目 錄

大會會長的話

生物醫學聯合學術年會是結合國內九大學會（細分、臨床生化、毒物、生理、藥理、解剖、生化、免疫、分子影像）所舉辦生物醫學最重要的年度會議！我們非常榮幸第三十三屆生物醫學聯合學術會議，主要是由「中華民國細胞及分子生物學學會」來負責籌備。謹代表第三十三屆生物醫學聯合學術年會籌備委員會，誠摯邀請您參加此年度的盛會！

本次大會主題為【精準醫學】與【健康老化】，特別邀請到兩位大會主題講者 Plenary speakers：中研院郭沛恩特聘研究員及龔行健院士分別於 3 月 24、25 日，分享他們的豐碩的學術研究及經驗。本屆「大會聯合口頭論文競賽」即以此兩大領域為主題，選取優秀年輕學者的研究成果，由郭教授及龔院士親自頒獎，以茲鼓勵。

第 33 屆生物醫學聯合學術年會延續歷年優良傳統，由各學會邀請專家學者進行特別演講及主題研討會，並舉辦各項學生口頭及壁報論文競賽等活動。除此之外， 往年在墾丁新知研討會所舉辦的「徐千田口頭論文競賽」，今年改在生醫年會進行，期望能鼓勵更多同學熱情參與及展現研究成果。另外，本屆生醫年會特別舉辦討論會「學，以致用」將以學術界年輕學者對研究與未來發展的提問為討論主題，邀請產官學界重要人士和參加者面對面談話，期望透過跨領域及跨世代的溝通，讓年輕研究學者的聲音能被聽見，透過連結產官學界的力量，激發出創新的想法，進而提昇生物醫學教育與研究的發展。

本人謹代表第三十三屆生物醫學年會籌備委員會，感謝所有大會工作人員的辛勤付出，也感謝各廠商踴躍參展及贊助，及國防醫學院空間的安排，對於本次生醫年會新知討論與交流，有很大的助益。最後本人謹祝福本屆生物醫學年會順利成功！

中華民國細胞及分子生物學學會

理事長 施修明

注意事項

1. 會議會場禁止攜帶食物及飲料進入，會議進行中禁止飲食，敬請共同維護會場整潔。
2. 會場將提供餐點，用餐相關事宜：（請參照平面配置圖 p6-p8）
   a. 會場於一樓、二樓及三樓皆提供茶點供與會人員食用。
   b. 持有午餐兌換券者可至一樓與二樓之便當領取處領取便當及飲品，或至微風．三總商店街餐飲櫃消費。
   c. 可至一樓學生餐廳與二樓戶外休憩區，以及會場擺放桌椅處用餐，並請配合工作人員指示確實分類。
   d. 午餐兌換券僅供年會兩日使用，兌換時間為當日 18:00 前。
3. 大會主題競賽注意事項：
   a. 大會主題競賽將於 3 月 25 日（日）大會特別演講後進行大會主題競賽頒獎。
   b. 競賽時間與地點如下：

3 月 24 日（六）		論文編號	教室地點
上午組	09:20-10:20	NO.1 － NO.4	3 樓 30 教室
下午組	12:00-13:00	NO.5 － NO.8	3 樓 30 教室

4. 學會口頭論文報告注意事項：
   欲使用 PowerPoint 作口頭論文報告者，請確實遵守以下規定，以利會議程序之進行：
   a. 每位講者報告時間請依照各學會競賽規定進行。
   b. 請使用 Office XP 以上版本之 PowerPoint 軟體，其他版本之軟體請勿使用。
   c. 檔案存檔於 CD-R、CD-RW 光碟片中或隨身碟。請於報告前 30 分鐘，將隨身碟交給各該報告會場之大會工作人員。
   d. 會場備有試片室，供口頭論文報告人員預覽及上傳報告投影片檔案。
   e. 與會前請確實執行掃毒動作及做好檔案備份，以利會議之進行。
   f. 各學會詳細口頭論文報告注意事項請參閱各學會競賽規則。
5. 壁報論文報告注意事項：
   壁報論文報告者，請確實遵守以下規定，以利流程之進行：
   a. 壁報論文展示地點將設於會場一樓、二樓及三樓。請留意大會網站之公告。
   b. 壁報論文作業時段（可能會有變動，請以最新消息公告為主）：
   c. 大會將提供論文看板（大會壁報看版尺寸：W100×H200CM，直式 / 建議論文輸出尺寸：W90×H150CM)、標示名牌。
      大會將於看板上標示論文摘要編號，論文作者請依照編號於正確看板位置張貼壁報論文。
   d. 論文之圖表文字大小以在一公尺距離可清楚閱讀為原則。
   e. 壁報論文內容的表達方式中、英文皆可。
   f. 壁報論文現場解說時段，至少須有一位作者在場，配戴名牌，解說論文內容。

2018 年 3 月 24 日（六）壁報論文展示及解說時段如下：

3 月 24 日（六）	論文張貼時間	展示時間	解說時間	拆除時間
上午組	09:00-09:30	09:30-13:00	12:00-13:00	13:10 以前
下午組	13:20-13:30	13:30-17:00	13:30-14:30	17:10 以前

2018 年 3 月 25 日（日）壁報論文展示及解說時段如下

3 月 25 日（日）	論文張貼時間	展示時間	解說時間	拆除時間
上午組	08:30-09:00	09:00-12:30	11:30-12:30	12:40 以前
下午組	12:50-13:30	13:30-17:00	13:30-14:30	17:10 以前

g. 壁報展示地點如下：（請參照平面配置圖 p6-p8）

國防醫學院三樓會場	
中華民國臨床生化學會	第 30、31 教室後方
中華民國解剖學學會	第 32、33 教室後方
國防醫學院二樓會場	
台灣毒物學學會	教室 20、29 中間空地
台灣分子生物影像學會	教室 20、29 中間空地
國防醫學院一樓會場	
中華民國細胞及分子生物學學會	中庭
台灣生物化學及分子生物學學會	中庭
中國生理學會	第 1、2 教室前方
台灣藥理學會	第 1、2 教室前方
中華民國免疫學會	可勝廳外走廊

前往國防醫學院交通示意圖 & 接駁車訊息

年會舉辦地點：
台北國防醫學院（114 臺北市內湖區民權東路六段 161 號）

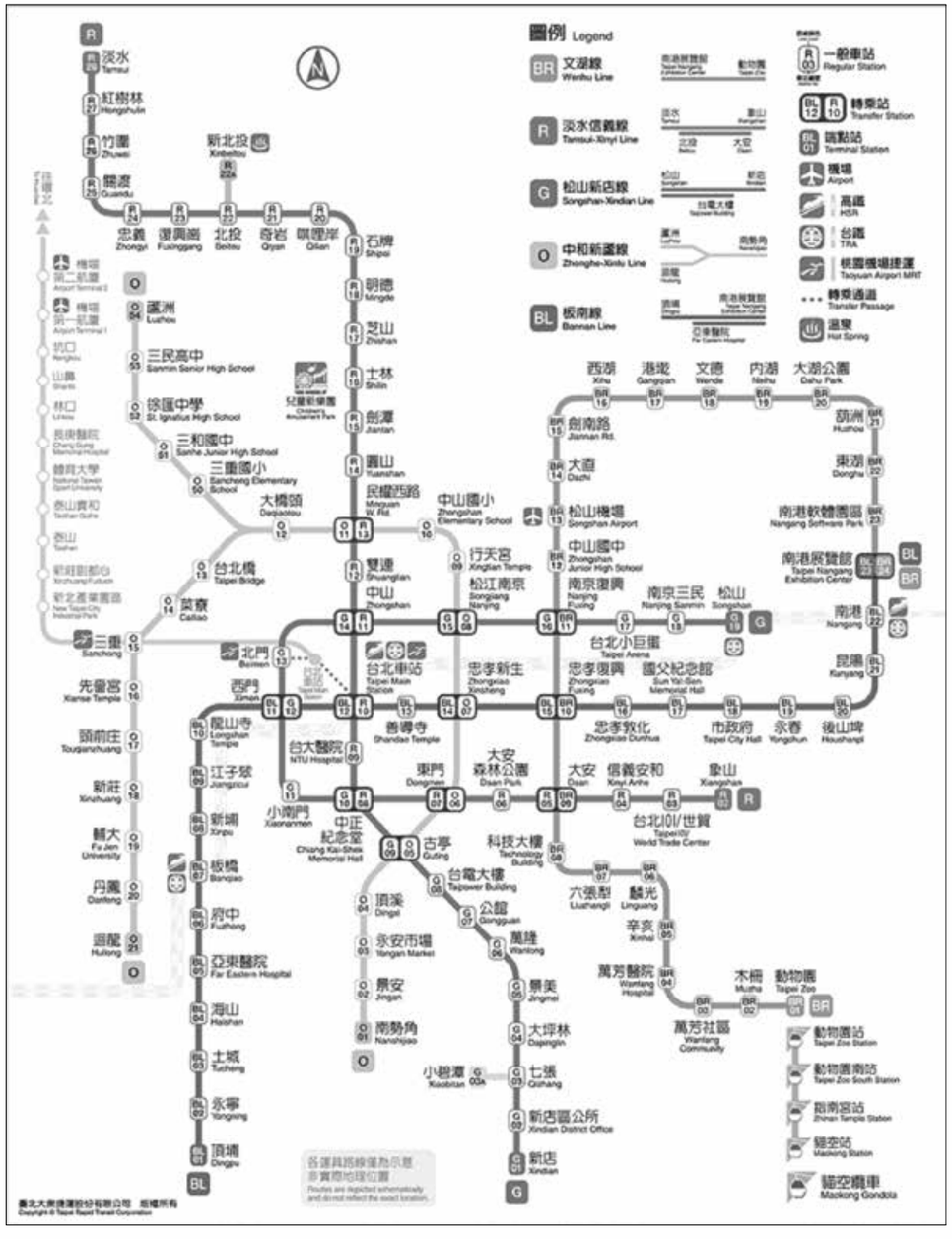
接駁車排班：
至台北車站搭乘藍線 (板南線)—昆陽站 1 號出口搭乘往國防醫學院接駁車。
3 月 24-25 日 會議專用接駁車
地點：捷運昆陽站← →內湖國防醫學院
班次：每 10~15 分鐘一班
時間：早上 07:30-10:30
從昆陽捷運站 -> 內湖國防醫學院 單向發車
時間：下午 15:30-18:00
從內湖國防醫學院 -> 昆陽捷運站 單向發車

附近捷運站：
捷運板南線到昆陽站→藍 36、藍 24、專屬接駁車→目的地

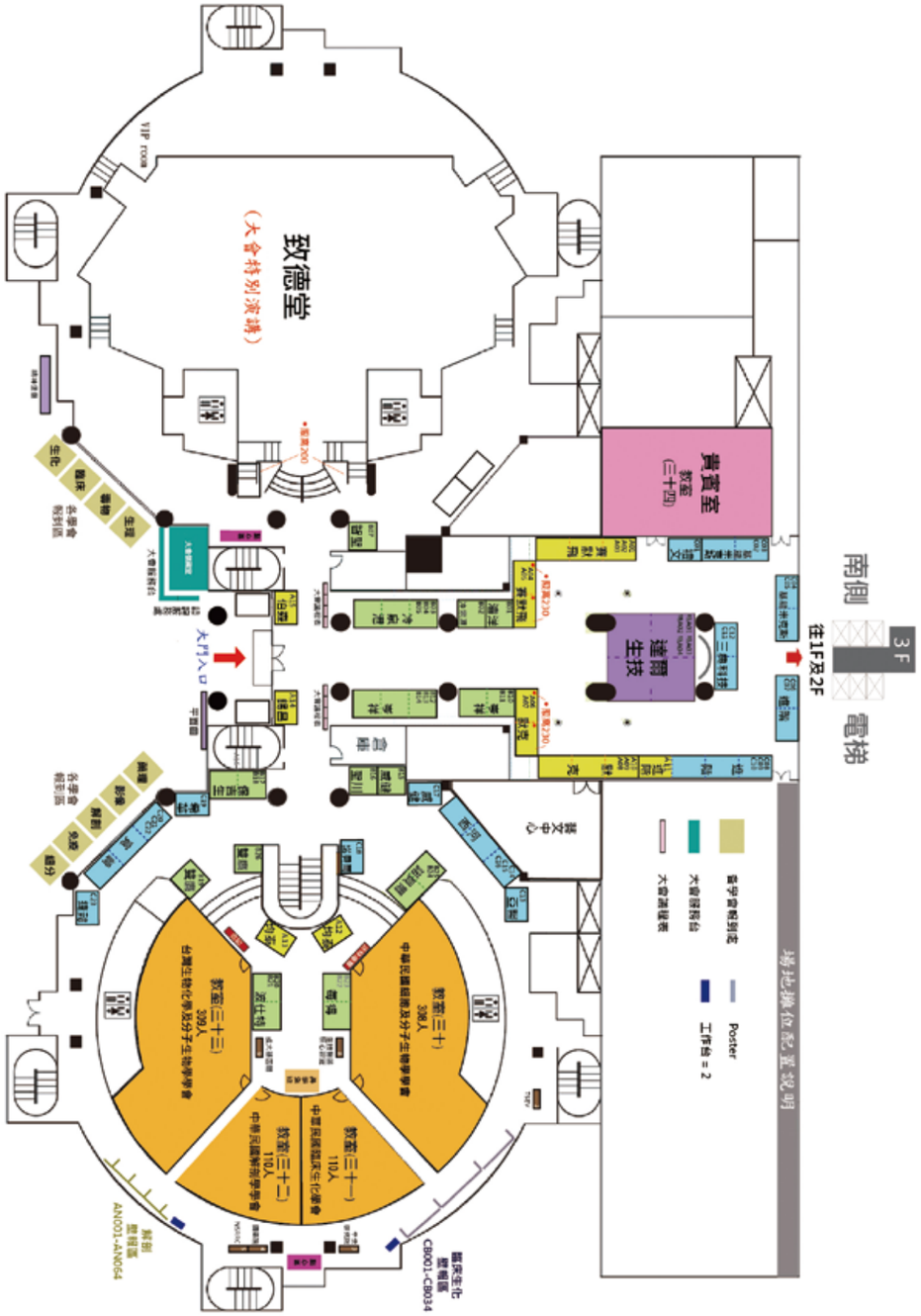
停車相關事宜：
國防醫學院之停車場為免費停放 (由於停車位有限建議搭乘大眾運輸工具)
三軍總醫院之停車場，採計時方式計費，每小時 40 元，請勿占用專用停車位

交通資訊：
台灣高鐵 http://www.thsrc.com.tw
台北松山機場 http://www.tsa.gov.tw

前往國防醫學院捷運交通示意圖

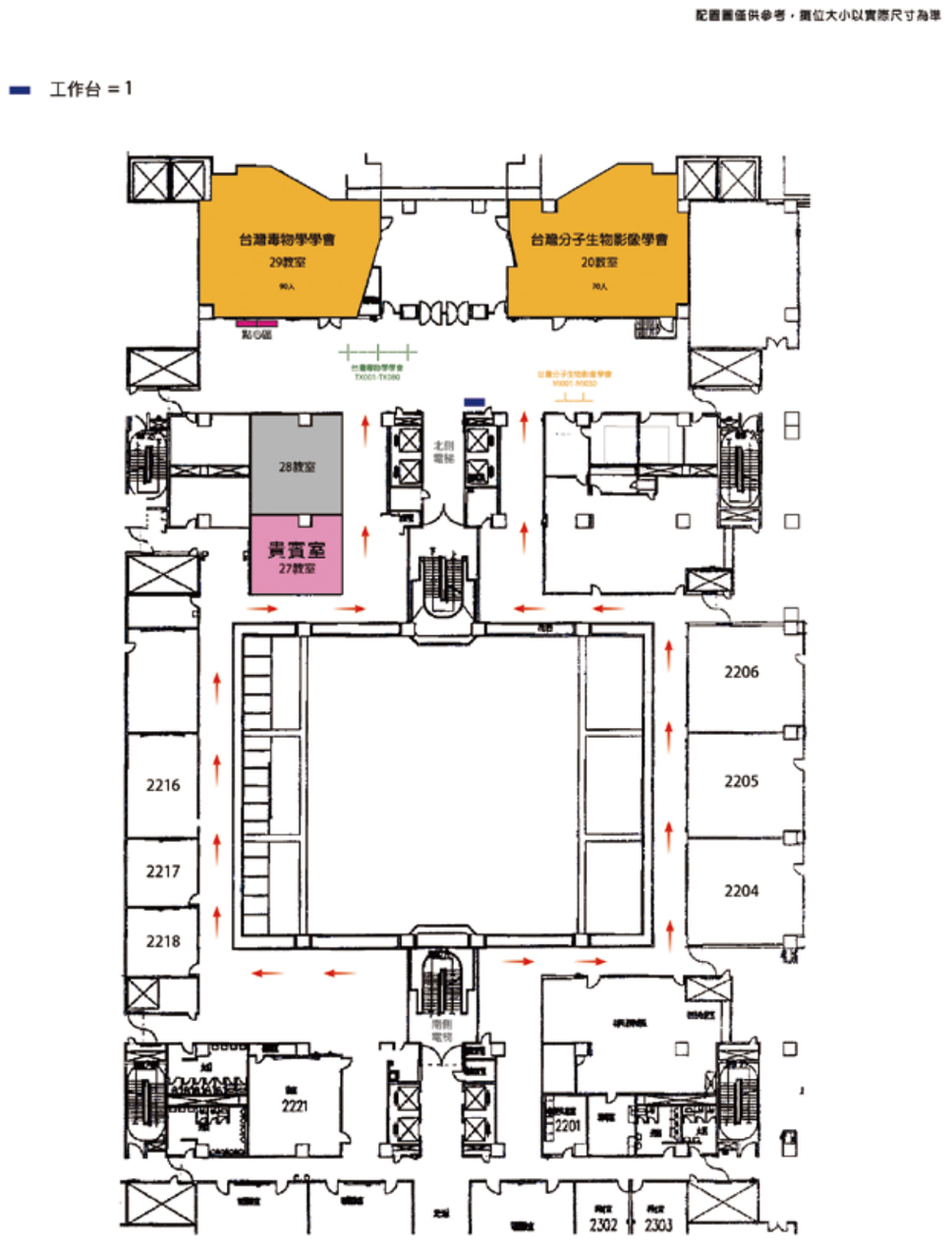


生物醫學會 3F 平面圖



配置圖僅供參考，單位大小以實際尺寸為準

生物醫學會 2F 平面圖



生物醫學會 1F 平面圖

第 33 屆生物醫學聯合學術年會
參與學會暨理事長與秘書長名單

學會名稱	理事長	秘書長
中華民國細胞及分子生物學學會	施修明	紀雅惠
中華民國臨床生化學會	方偉宏	蘇剛毅
台灣毒物學學會	康照洲	姜至剛
中國生理學會	蔡少正	廖娟妙
台灣藥理學會	簡伯武	張雅雯
中華民國解剖學學會	馬國興	鄭珈昆
台灣生物化學及分子生物學學會	王憶卿	張雋曦
中華民國免疫學會	許秉寧	謝世良
台灣分子生物影像學會	劉仁賢	楊邦宏

第 33 屆生物醫學聯合學術年會籌備委員名單

總 召 集 人：施修明
總 連 絡 人：紀雅惠

成立學術組及各秘書長任務分組：
文書出版組：張雅雯、紀雅惠
廠商展示組：張雋曦、紀雅惠
會　場　組：蘇剛毅、紀雅惠
報　到　組：鄭珈昆、紀雅惠
會　計　組：廖娟妙、紀雅惠
公　關　組：姜至剛、紀雅惠
學　術　組：各學會秘書長

主要工作人員名單
總 策 劃 人：王麗雲
執　行　組：鄧伃倢、李威磊、蕭業庭、方羿淇、姚思宇
美　編　組：徐慧如
網　管　組：戴嘉增
文　書　組：吳宜靜、方羿淇

第 33 屆生物醫學聯合學術年會 會議資訊

開幕式：107 年 3 月 24 日 10:35-10:55 3 樓，致德堂

	時間	地點
大會特別演講 I	107 年 3 月 24 日 10:55-12:00	3 樓 致德堂
大會特別演講 II	107 年 3 月 25 日 10:15-11:30	3 樓 致德堂

學會特別演講及會員大會時間表

學會	學會特別演講	學會會員大會	地點
中華民國細胞及分子生物學學會	107 年 3 月 25 日 09:00-10:00	107 年 3 月 25 日 16:40-17:00	3 樓 第 30 教室
中華民國臨床生化學會	107 年 3 月 24 日 09:30-10:35	107 年 3 月 24 日 16:30-16:45	3 樓 第 31 教室
台灣毒物學學會	107 年 3 月 25 日 14:30-15:30	107 年 3 月 24 日 16:30-16:50	2 樓 第 29 教室
中國生理學會	107 年 3 月 24 日 09:30-10:20	107 年 3 月 24 日 14:30-15:30	1 樓 第 2 教室
台灣藥理學會	107 年 3 月 24 日 14:30-15:30	107 年 3 月 24 日 15:30-16:30	1 樓 第 1 教室
中華民國解剖學學會	107 年 3 月 24 日 09:30-10:20	107 年 3 月 24 日 10:55-12:00	3 樓 第 32 教室
台灣生物化學及分子生物學學會	107 年 3 月 24 日 09:30-10:20	107 年 3 月 24 日 10:20-10:35	3 樓 第 33 教室
中華民國免疫學會	107 年 3 月 24 日 09:30-10:20		1 樓 可勝廳
台灣分子生物影像學會	107 年 3 月 24 日 09:30-10:20		2 樓 第 20 教室

第 33 屆生物醫學聯合學術年會 大會議程

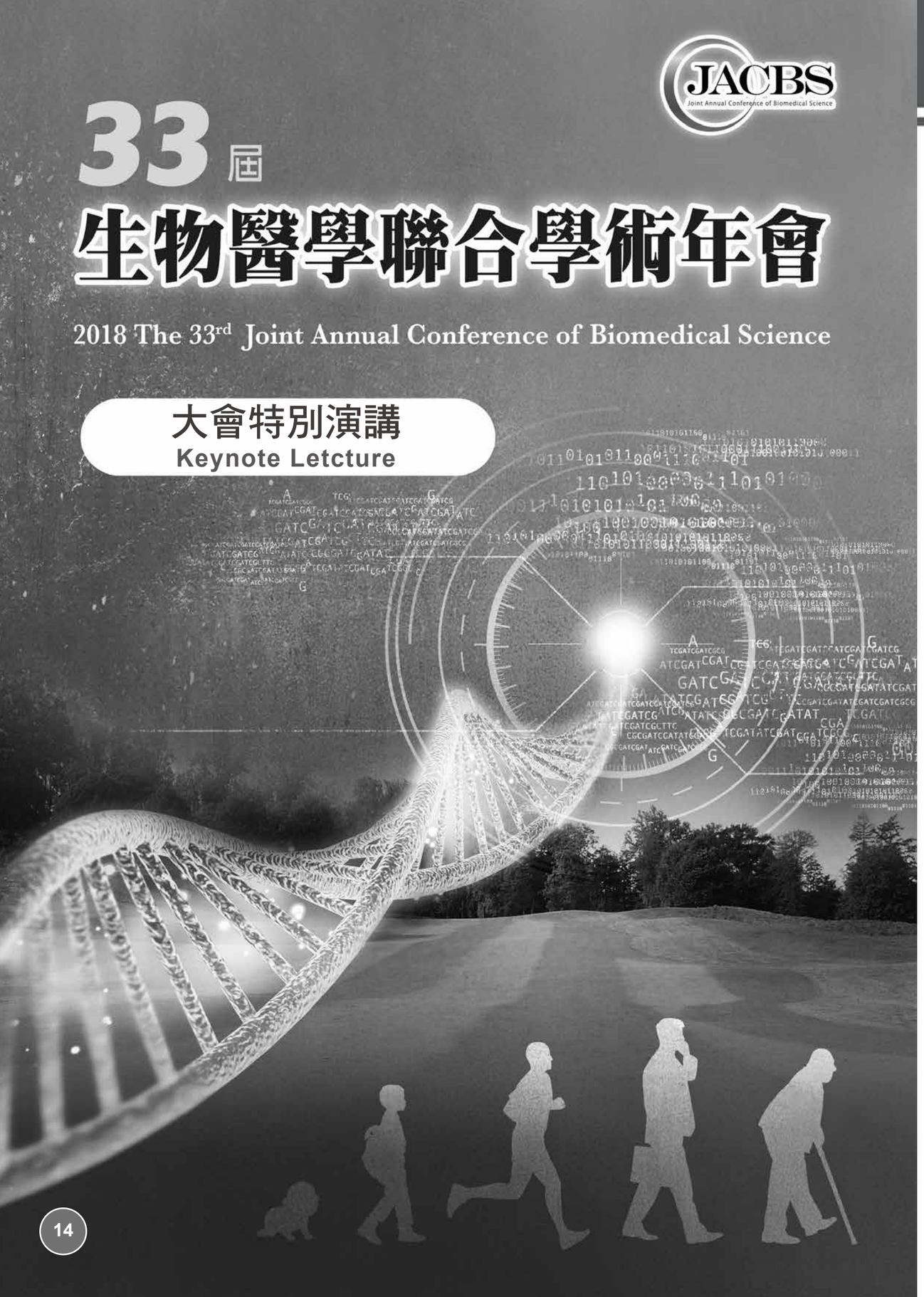
3 月 24 日 (星期六)

	一樓			二樓		三樓			
	藥理學會	生理學會	免疫學會	分子影像	毒物學會	細分學會	臨床生化	解剖學會	生化學會
	第 1 教室	第 2 教室	可勝廳	第 20 教室	第 29 教室	第 30 教室	第 31 教室	第 32 教室	第 33 教室
08:50					8:50-10:35 研究生口頭論文競賽 (姜至剛) O18-O25				
09:00-09:30	報到					報到			
09:30-10:20	09:30-10:20 研究生論文獎決選演講 (顏茂雄) O26-O28	09:30-10:20 Keynote Speech: 黃聿 香港中文大學教授 (蔡少正) L4	09:30-10:20 Keynote Speech: 賴明宗 (謝世良) L8	09:30-10:20 Keynote Speech: Yong Song Gho 韓國埔項工科大學教授 (湯銘哲 劉仁賢) L9		9:20-10:20 大會主題口頭論文競賽 I (許美鈴) O01-O04	9:30-10:35 Keynote speech: Dr. Jozica Habijanic (方偉宏) L2	9:30-10:20 Keynote Speech: 寺田純雄 東京醫科齒科大學教授 (馬國興) L6	09:30-10:20 Keynote Speech: 魏耀揮 彰化基督教醫院粒線體醫學及自由基研究院院長 (王憶卿) L7
10:20-10:35	休息 (大會茶點)					休息 (大會茶點)		休息 (大會茶點)	10:20~10:35 生化學會 會員大會
10:35-10:55	開幕式 (致德堂)								
10:55-12:00	生醫年會大會特別演講 I 演講者：郭沛恩教授 (施修明) K1							10:55-12:00 解剖學學會 會員大會	
12:00-13:00	各學會看板論文競賽 I/ 大會主題口頭論文競賽 II(30 教室)(周玉山) O05-O08								
12:30-13:30	科技新知研討會								
	財團法人國家衛生研究院 T1	盟基生物科技股份有限公司 T2	細分學會 T3		科技部生命科學研究發展司生技醫藥核心設施平台辦公室 T4		諾貝爾生物有限公司 T5	Woman in Science 交流坊 主談人：鍾邦柱 與談人：吳文勉、葉怡玲、余佳慧	台灣默克股份有限公司 T6
13:30-14:30	各學會看板論文競賽 II				13:30-16:30 台灣毒物學學會 30 周年慶 院士級講座 周昌弘院士 林嬪嬪教授 Dr. Jun Kanno (Japan) Dr. Songsak Srianujata (Thailand) (康照洲) (致德堂) S08-S11	各學會看板論文競賽 II			
14:30-15:30	14:30-15:30 Keynote Speech: Jane A Mitchell 英國倫敦帝國學院 教授 專題演講 (簡伯武) L5	14:30-15:30 生理學會 會員大會	14:30-15:30 Symposium I：Advances of Lymphocyte activation 譚澤華 林國儀 (許秉寧) S23-S24	14:30-15:30 Symposium I: Advances of exosome research (I) Yong Song Gho 賴品光 (沈湯龍 李光申) S25-S26		14:30-16:45 徐千田 口頭論文競賽 (施修明) O09-O17	14:30-16:30 Symposium: Metabolism and Disease from Researches to Clinical Diagnostics 郭錦樺 郭靜穎 鄭美玲 (蘇剛毅) S05-S07	14:30-16:30 Symposium I: Models of disease pathogenesis 鄭瓊娟 楊世斌 劉炯輝 王家義 (郭余民) S15-S18	14:30-16:30 Symposium I: Mitochondrial Medicine 林琬琬 阮雪芬 李岳倫 李新城 (魏耀揮) S19-S22
15:30-15:45	15:30-16:30 藥理學會會員大會 / 學會研究獎項頒獎 (簡伯武)	15:30-17:30 Symposium I: Cardiovascular Physiology Yoshitaka Hirooka 陳適安 湯志永 (曾清俊) S12-S14	休息						
15:45-16:30			15:45-16:45 學會 口頭競賽 (沈家瑞) O29-O34	15:45-16:45 Symposium II: Advances of exosome research (II) 李光申 劉仁賢 (賴品光 陳致真) S27-S28					
16:30-16:45					16:30-16:50 毒物學會 會員大會		16:30-17:30 壁報論文 頒獎典禮暨 臨床生化會員大會理監事選舉 (方偉宏)	16:30:16:45 休息	
16:45-17:30									

第 33 屆生物醫學聯合學術年會 大會議程

3 月 25 日 (星期日)

	一樓			二樓		三樓			
	藥理學會	生理學會	免疫學會	分子影像	毒物學會	細分學會	臨床生化	解剖學會	生化學會
	第 1 教室	第 2 教室	可勝廳	第 20 教室	第 29 教室	第 30 教室	第 31 教室	第 32 教室	第 33 教室
08:30-09:00									
09:00-10:00		8:30-10:00 口頭論文競賽 (余佳慧) O46-O51	9:00-10:00 學會口頭論文競賽 (李建國) O66-O71	9:00-10:00 Symposium III: Advances of microCT technology and application 柯建志 陳仁焜 李致賢 (劉仁賢 柯瓊媛) S47-S49	8:55-10:15 研究生口頭論文競賽 (姜至剛) O40-O45	9:00-10:00 Keynote Speech: [吳成文院士學術講座] 劉扶東 中研院副院長 (邱繼輝) L1		9:00-10:00 解剖學會 口頭論文報告 (鄭珈昆) O52-O57	9:00-10:00 生化學會 口頭論文競賽 (張南山 黃世明 戴明泓) O58-O61
10:00-10:15	休息 (大會茶點)					休息 (大會茶點)			
10:15-11:30	生醫年會大會特別演講 II 演講者：龔行健 特聘研究員 (施修明) K2 大會主題口頭論文競賽頒獎								
11:30-12:30		12:00-13:00 生理學會餐會	各學會看板論文競賽 III						
12:30-13:30	科技新知研討會 / 學，以致用 (30 教室)								12:30-13:30 生化學會 口頭論文競賽 (黃世明 張南山 戴明泓) O62-O65
13:30-14:30	各學會看板論文競賽 IV/ 學，以致用 (30 教室)								
14:30-15:30	14:30-16:30 Symposium: The role of neuropeptides in the brain 邱麗珠 黃玲玲 黃翊恭 許桂森 (邱麗珠 許桂森) S33-S36	14:30-16:30 Physiological Seminar 彭怡禎 林貝容 宋文瑋 黃菁英 (阮琪昌) S29-S32	14:30-15:30 Symposium II: Infection and immunity 林以行 伍安怡 (郭敏玲) S45-S46	14:30-16:45 口頭競賽暨頒獎典禮 (張正 蘇家豪 陳傳霖 柯瓊媛) O72-O77	14:30-15:30 Keynote speech : 黃嘯谷 特聘研究員 (康照洲) L3	14:30-15:30 Symposium: Glycoscience 司徒惠康 喻秋華 15:40-16:40 涂玉青 林俊宏 (劉扶東) S01-S04	14:30-16:30 口頭競賽暨頒獎典禮 (方偉宏) O35-O39	14:30-16:30 Symposium II: Inflammation: mechanisms and phenomena 林谷峻 張綺芬 宋欣錦 呂史提 (莊宏亨) S37-S40	14:30-16:30 Symposium II: Telomere Biology 朱雪萍 鄧述諄 陳律佑 林敬哲 (林敬哲) S41-S44
15:30-15:45			15:30-16:00 免疫學會 頒獎典禮		15:30-16:00 頒獎典禮 (康照洲)				
15:45-17:00		16:30-17:00 生理學會頒獎 (郭昶志)				16:40-17:00 細分學會會員大會暨頒獎 (紀雅惠)			16:30-16:45 生化學會壁報論文 & 口頭論文競賽頒獎 (王憶卿)



大會特別演講 Keynote Letcture

107 年 3 月 24 日 (週六) 10:55 - 12:00
論文編號 : K1
地　　點 : 3 樓，致德堂
主 持 人 : 施修明
講　　題 : Precision Medicine in Taiwan: Opportunities and Challenges
演 講 者 : 郭沛恩
單　　位 : Institute of Biomedical Sciences, Academia Sinica; University of California, San Francisco

107 年 3 月 25 日 (週日) 10:15-11:30
論文編號 : K2
地　　點 : 3 樓，致德堂
主 持 人 : 施修明
講　　題 : Healthy Aging based on a novel concept in aging mechanism
演 講 者 : 龔行健
單　　位 : National Health Research Institutes, National Yang-Ming University and Taipei Veteran General Hospital

K1

Speaker :

郭沛恩

Pui-Yan Kwok

Current Position:
Distinguished Research Fellow and Director, Institute of Biomedical Sciences, Academia Sinica
Henry Bachrach Distinguished Professor, University of California, San Francisco

Education/Training:
AB (Hons), Chemistry, University of Chicago
MS, Human Biology, University of Chicago
PhD, Organic Chemistry, University of Chicago
MD, University of Chicago Pritzker School of Medicine
Resident and Chief Resident in Dermatology, Washington University School of Medicine, St. Louis

Professional and Research Experience:
Postdoctoral Fellow, Department of Genetics, Washington University School of Medicine, St. Louis
Visiting Scientist, Department of Molecular Biotechnology, University of Washington, Seattle
Assistant and Associate Professor, Dermatology and Genetics, Washington University, St. Louis
Henry Bachrach Distinguished Professor, Dermatology and Cardiovascular Research Institute, University of California, San Francisco

Awards and Honors:
Distinguished Service Award, University of Chicago Pritzker School of Medicine, 2017
Elected Member of the American Dermatological Association, 2008
Visiting Distinguished Professor, Physician Scientist Training Program, UC-Davis, 2004
Siu Lien Ling Wong Visiting Fellow, Chung Chi College, Chinese University of Hong Kong, 2004

Selected Publications:

1. Hoffmann TJ, Ehret GB, Nandakumar P, Ranatunga D, Schaefer C, Kwok PY, Iribarren C, Chakravarti A, Risch N. Genome-wide association analyses using electronic health records identify new loci influencing blood pressure variation. Nat Genet. 2017; 49:54-64.
2. Mostovoy Y, Levy-Sakin M, Lam J, Lam ET, Hastie AR, Marks P, Lee J, Chu C, Lin C, Dzakula Z, Cao H, Schlebusch SA, Giorda K, Schnall-Levin M, Wall JD, Kwok PY. A hybrid approach for de novo human genome sequence assembly and phasing. Nat Methods. 2016; 13:587-90.
3. Mak AC, Lai YY, Lam ET, Kwok TP, Leung AK, Poon A, Mostovoy Y, Hastie AR, Stedman W, Anantharaman T, Andrews W, Zhou X, Pang AW, Dai H, Chu C, Lin C, Wu JJ, Li CM, Li JW, Yim AK, Chan S, Sibert J, Dzakula Z, Cao H, Yiu SM, Chan TF, Yip KY, Xiao M, Kwok PY. Genome-Wide Structural Variation Detection by Genome Mapping on Nanochannel Arrays. Genetics. 2016; 202:351-62.
4. Lam ET, Hastie A, Lin C, Ehrlich D, Das SK, Austin MD, Deshpande P, Cao H, Nagarajan N, Xiao M, Kwok PY. Genome mapping on nanochannel arrays for structural variation analysis and sequence assembly. Nat Biotechnol. 2012; 30:771-6.

3 月 24 日（週六）10:55-12:00
3 樓，致德堂

Precision Medicine in Taiwan: Opportunities and Challenges

Pui-Yan Kwok, MD, PhD
Institute of Biomedical Sciences, Academia Sinica; University of California, San Francisco

Precision medicine takes individual variability and disease mechanism into account in the prevention, diagnosis, and treatment of diseases. To practice precision medicine, it is necessary to collect comprehensive information that defines a person (from genetic background, to environmental exposure, to lifestyles, etc.) and the diseases (from defective gene function, to structural protein abnormalities, to metabolic derangement, etc.). When individual information is interpreted against population norms and disease characteristics are informed by deep biological knowledge, the best strategies can be formulated to prevent or treat diseases defined by molecular mechanisms rather than by symptoms alone.

Taiwan, with its advanced health care system and a relatively homogeneous population, is perfectly suited to implement precision medicine. By defining the common genetic background of the population, one can obtain comprehensive genetic profiles of individuals by imputation when they are genotyped with a low cost, population-specific single nucleotide polymorphism (SNP) array. The genetic information can then be incorporated into one’ s medical record and used to prevent adverse reactions to medications, predict susceptibility to common diseases, and select effective therapies for the individual.

There are societal and technical challenges, however, for precision medicine to be successful. Besides the acceptance of precision medicine by the population, other near-term obstacles include cost of building population references, creating a database of genetic variability, deepening our biological knowledge, and developing sound data mining methods.

With inter-disciplinary efforts and support from all the stakeholders, Taiwan can bring precision medicine to the clinic in the near future.

K2

Speaker :
龔行健
Hsing-Jien Kung

Current Position:
Distinguished Investigator/ 特聘研究員 (NHRI)；Chair Professor/ 講座教授 (TMU)

Education/Training:
B.S. in Chemistry; National Taiwan University, Taipei, Taiwan, Republic of China, 1969
Ph.D. in Molecular Biology; California Institute of Technology, Pasadena, California (Dr. N. Davidson's lab), 1975
Research Associate; University of California at San Francisco School of Medicine, San Francisco, California (Drs. M. J. Bishop and H.E. Varmus), January 1976 - March 1978

Professional and Research Experience:
Acting Director of Institute of Molecular and Genomic Medicine, National Health Research Institutes, Zhunan, Taiwan, 2017-present
Distinguished Investigator of Institute of Molecular and Genomic Medicine, National Health Research Institutes, Zhunan, Taiwan, 2016-present
President and Distinguished Investigator of National Health Research Institutes, Zhunan, Taiwan, 2012-2015
Distinguished Professor (Emeritus), Department of Biochemistry and Molecular Medicine, University of California Davis Medical School, 2008-present

Awards and Honors:
Academia Sinica Wu Ta-You Lectureship, 2017
NIH Norman Salzman Lectureship, 2012
Auburn Community Cancer Endowed Chair in Basic Science, 2007-2012
Academician, Academia Sinica, Taiwan, ROC, since 1998
NCI MERIT Award, CA46613, 1993-2002, NCI MERIT Award, CA39207, 1991-2000

Selected Publications:
1.Shih JW*, Chiang WF, Wu ATH, Wu MH, Wang LY, Yu YL, Hung YW, Wang WC, Chu CY, Hung CL, Changou CA, Yen Y, Kung HJ*. Long noncoding RNA LncHIFCAR/MIR31HG is a HIF-1α co-activator driving oral cancer progression. Nat Commun. 8:15874. doi: 10.1038/ncomms15874. (2017)
2.Wang LY, Hung CL, Chen YR, Yang JC, Wang J, Campbell M, Izumiya Y, Chen HW, Wang WC, Ann DK, Kung HJ*. KDM4A Coactivates E2F1 to Regulate the PDK-Dependent Metabolic Switch between Mitochondrial Oxidation and Glycolysis. Cell Rep. 16(11):3016-27. (2016)
3.Wang J, Zou JX, Xue X, Cai D, Zhang Y, Duan Z, Xiang Q, Yang JC, Louie MC, Borowsky AD, Gao AC, Evans CP, Lam KS, Xu J, Kung HJ, Evans RM, Xu Y, Chen HW. ROR-γ drives androgen receptor expression and represents a therapeutic target in castration-resistant prostate cancer. Nat Med. 22(5):488-96. (2016)
4.Changou CA, Chen YR, Xing L, Yen Y, Chuang FY, Cheng RH, Bold RJ, Ann DK, Kung HJ*. Arginine starvation-associated atypical cellular death involves mitochondrial dysfunction, nuclear DNA leakage, and chromatin autophagy. Proc Natl Acad Sci USA. 111(39):14147-52. (2014)

3 月 24 日（週六）10:15-11:30
3 樓，致德堂

Healthy Aging based on a novel concept in aging mechanism

Hsing-Jien Kung and the Free-Style Project Consortium
National Health Research Institutes, National Yang-Ming University and Taipei Veteran General Hospital

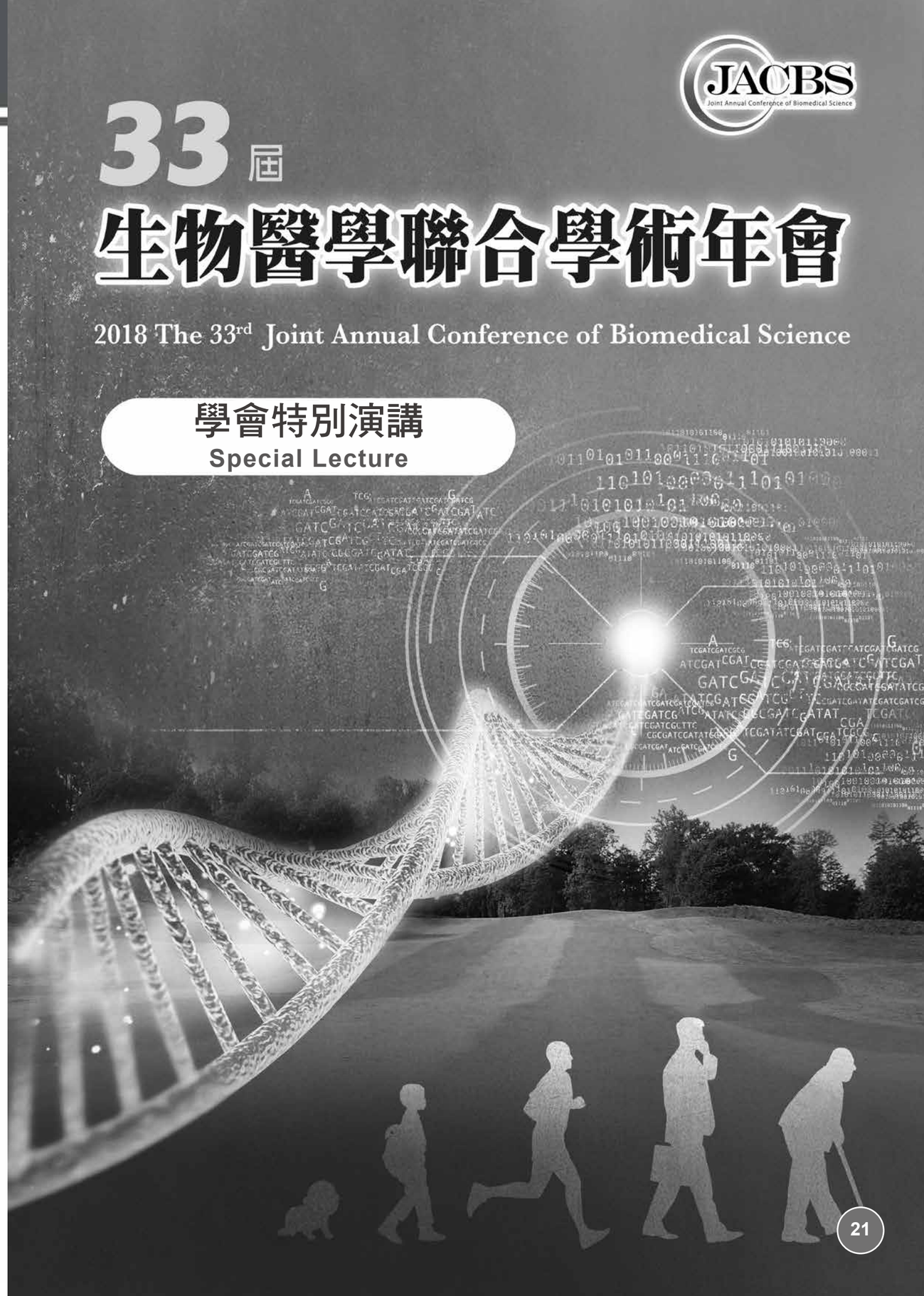
The aging rate of Taiwan population is expected to surpass Japan in 2017, which makes Taiwan the fastest aging country in the world. Population aging is not just an health care issue; it has social and economic impact as well. “Healthy Aging” is an approach proposed by the World Health Organization as the strategic framework for population aging. This project brings together basic scientists, physician scientists, public health experts from NYMU, VGH and NHRI to engage in multi-disciplinary research to test a new hypothesis of “muscle-neuron interactions” as a key process in aging. We propose that in certain settings, muscle degeneration precedes and leads to neuronal degeneration. By extension, frailty and sarcopenia could result in dementia. Since frailty is considered as a resilient state, which can be reversed to recover the healthy status, early detection and intervention should delay the occurrence of dementia as well. This will have huge impact on the wellness of the population, and reducing the burden of healthcare system of the country. To this end, in this project, we are1) developing animal models to study the muscle to neuron degeneration mechanism; 2) identifying putative biomarkers (noncoding RNA, metabolites, proteins, imaging) that can describe the aging and disease processes; 3) conducting epidemiological population studies to investigate the relationship between frailty and cognitive impairment; and 4) implementing friendly healthcare principles and interventions to evaluate their benefits to the healthcare system. A summary report of our progress will be presented in this meeting.

JACBS
Joint Annual Conference of Biomedical Science

33屆 生物醫學聯合學術年會

2018 The 33rd Joint Annual Conference of Biomedical Science

學會特別演講
Special Lecture



學會特別演講 Special Lecture

論文編號：L1 (中華民國細胞及分子生物學學會)　107 年 3 月 25 日 (週日) 時間 : 09:00-10:00
地　　點：3 樓，第 30 教室
主 持 人：邱繼輝
講　　題：The Challenge and Promise of Functional Glycomics
演 講 者：劉扶東 副院長
單　　位：Vice President, Academia Sinica; Distinguished Research Fellow, Institute of Biomedical Sciences, Academia Sinica

論文編號：L2 (中華民國臨床生化學會)　107 年 3 月 24 日 (週六) 時間 : 09:30-10:35
地　　點：3 樓，第 31 教室
主 持 人：方偉宏 理事長
講　　題：The Future of Healthcare and Diagnostics: AI Application
演 講 者：Dr. Jozica Habijanic
單　　位：Head, Strategic Development Asia Pacific, Roche Diagnostics Asia Pacific Pte. Ltd

論文編號：L3 (台灣毒物學學會會)　107 年 3 月 25 日 (週日) 時間 : 14:30-15:30
地　　點：2 樓，第 29 教室
主 持 人：康照洲 理事長
講　　題：Metabolic alteration in the environmental exposure-disease relationship
演 講 者：黃嘯谷 特聘研究
單　　位：National Institute of Environmental Health Sciences, National Health Research Institute

論文編號：L4 (中國生理學會)　107 年 3 月 24 日 (週六) 時間 : 09:30-10:20
地　　點：1 樓，第 2 教室
主 持 人：蔡少正 理事長
講　　題：Function and dysfunction of vascular endothelium
演 講 者：黃聿 教授
單　　位：Institute of Vascular Medicine and Li Ka Shing Institute of Health Sciences, Chinese University of Hong Kong, Hong Kong SAR, China

論文編號：L5 (台灣藥理學會)　107 年 3 月 24 日 (週六) 時間 : 14:30-15:30
地　　點：1 樓，第 1 教室
主 持 人：簡伯武 理事長
講　　題：COX-2, non steroidal anti-inflammatory drugs (NSAIDs) and cardiovascular side effects: myths, legends and future direction
演 講 者：Jane A. Mitchell
單　　位：Head of Section of Vascular Biology at Imperial College London

論文編號：L6 (中華民國解剖學學會)　107 年 3 月 24 日 (週六) 時間 : 09:30-10:20
地　　點：3 樓，第 32 教室
主 持 人：馬國興
講　　題：Toward deciphering the mystery of cytoskeletal dynamics
演 講 者：TERADA Sumio 寺田純雄
單　　位：Professor, Department of Neuroanatomy and Cellular Neurobiology; Center for Brain Integration Research

學會特別演講 Special Lecture

論文編號：L7 (台灣生物化學及分子生物學學會)　107 年 3 月 24 日 (週六) 時間 : 09:30-10:20
地　　點：3 樓，第 33 教室
主 持 人：王憶卿 理事長
講　　題：Metabolic reprogramming in mitochondrial diseases and in stem cell differentiation and iPSCs formation
演 講 者：魏耀揮
單　　位：Director, Center for Mitochondrial Medicine and Free Radical Research, Changhua Christian Hospital

論文編號：L8 (中華民國免疫學會)　107 年 3 月 24 日 (週六) 時間 : 09:30-10:20
地　　點：1 樓，可勝廳
主 持 人：中央研究院特聘研究員 謝世良
講　　題：Regulatory T cells correct infection-induced inflammation in primary immunodeficiency
演 講 者：賴明宗
單　　位：Distinguished Research Fellow and Professor, Institute of Molecular Biology, Academia Sinica

論文編號：L9 (台灣分子生物影像學會)　107 年 3 月 24 日 (週六) 時間 : 09:30-10:20
地　　點：2 樓，第 20 教室
主 持 人：湯銘哲 / 劉仁賢理事長
講　　題：Exosome-based cancer therapeutics
演 講 者：Prof. Yong Song Gho
單　　位：Department of Life Sciences, POSTECH (Pohang University of Science and Technology), Korea

L1

Speaker :
劉扶東
Fu-Tong Liu

Current Position:
Vice President, Academia Sinica
Distinguished Research Fellow, Institute of Biomedical Sciences, Academia Sinica
中央研究院副院長
中央研究院生物醫學科學研究所特聘研究員

Education/Training:
B.S., Chemistry, National Taiwan University
Ph.D., Chemistry, The University of Chicago, Illinois
M.D., The University of Miami School of Medicine

Professional and Research Experience:
Associate Member/Head, Allergy Research Section, Department of Molecular and Experimental Medicine, The Scripps Research Institute (1990-96)
Member/Head, Division of Allergy, La Jolla Institute for Allergy and Immunology (1996-2001)
Professor and Chair (2001-11), Distinguished Professor and Chair (2011-12), Distinguished Professor Emeritus (2012-present), Department of Dermatology, University of California, Davis, School of Medicine
Distinguished Research Fellow and Director, Institute of Biomedical Sciences, Academia Sinica (2010-2017)
Professor, National Taiwan University, College of Medicine (2011-present)
Adjunct Professor, Institute of Clinical Medicine, National Yang-Ming University, College of Medicine (2011-present)

Awards and Honors:
Distinguished Scholar Award, the Phi Tau Phi Scholastic Honor Society, 2017
First KIA Laureate of the 28th Khwarizmi International Award, 2015
Elected to American Association for the Advancement of Science (AAAS) Fellow, 2013
Elected to Academician, Academia Sinica, Taiwan, 2012
Joan Oettinger Memorial Award (Cancer and Pulmonary Research), UC Davis, 2005

Selected Publications:
1. Chen, H.-L., Chiang, P.-C., Lo, C.H., Lo, Y.H., Hsu, D.K., Chen, H.Y., Liu, F.-T. (2016) Galectin-7 regulates keratinocyte proliferation and differentiation through JNK-miR-203-p63 signaling. **J Invest Dermatol** 136:182-91.
2. Yang, R.-Y., Yu, L., Graham, J., Hsu, D.K., Lloyd, K.C., Havel, P.J., & Liu, F.-T. (2011) Ablation of a galectin preferentially expressed in adipocytes increases lipolysis, reduces adiposity, and improves insulin sensitivity in mice. **Proc Natl Acad Sci USA** 108:18696-18701.
3. Chen, H-Y., Fermin, A., Vardhana, S., Weng, I-C., Lo, K.F.R., Chang,E-Y., Maverakis, E., Yang, R.Y., Hsu, D.K., Dustin, M., & Liu, F.-T. (2009) Galectin-3 negatively regulates TCR-mediated CD4+ T cell activation at the immunological synapse. **Proc Natl Acad Sci USA 106**:14496-14501.

3 月 25 日 (週日) 9:30-10:00
3 樓，第 30 教室

The Challenge and Promise of Functional Glycomics

Fu-Tong Liu
Academia Sinica

In the document “Transforming Glycoscience: A Roadmap for the Future” published by National Research Council of the National Academies, USA, in 2012, it is stated “Glycoscience can make contributions toward understanding and improving human health-----“. An article published in Nature this year, “Sweet Success” , highlighted that “Biologists are diving into sugar-related research thanks to new tools and techniques”. Indeed, advances in glycomics have facilitated the identification of various glycans as cancer biomarkers. Similarly, automated high-throughput IgG-antibody profiling platform has revealed the relationship of IgG glycosylation profiles to health and disease.

Functional glycomics is to define the concerted and regulated action of glycan-binding proteins (GBPs). While glycans have structural and modulatory roles in glycoconjugates, they also play important roles in “intrinsic” and “extrinsic” recognitions through binding to different GBPs. Among numerous GBPs, selectins, C-type lectin receptor, Siglecs, and galectins are being studied most extensively. The challenges in studying these proteins include the identification of their glycan ligands and establishment of their functions and mechanisms of action. In this regard, the glycan array technology has been instrumental. Also, through cumulative efforts by a large number of investigators, these proteins have been shown to be involved in many physiological processes and pathogenesis of a variety of diseases. Importantly, many of them have been identified as biomarkers of diseases and therapeutic targets.

A number of galectins have been shown to be associated with inflammatory diseases and cancers and thus may be targeted for treatment of these diseases. A unique challenge in this regard is galectins are known to function both extracellularly and intracellularly and a key issue is whether one needs to target extracellular or intracellular galectins.

As stated by Cummings and Pierce in their recent review, “Understanding the functions of glycans --- require physiological studies of organisms (rather than single cell systems)”, which should also be applicable to studying GBPs. Nevertheless, although the challenge is formidable, continued efforts devoted to this field will likely be transformative.

財團法人健康科學文教基金會 贊助

L2

Speaker :
Dr. Jozica Habijanic

Current Position:
Head, Strategic Development Asia Pacific, Roche Diagnostics Asia Pacific Pte. Ltd
羅氏診斷亞太區策略發展部主管

Education/Training:
B.S, Microbiology, University of Ljubljana, Biotechnical Faculty
Ph.D, Biochemistry and Molecular Biology, BioMedicine, University of Ljubljana, Medical Faculty

Professional and Research Experience:
1999-2000 Postgraduate Researcher, Chemical Institute Ljubljana
2000-2003 Product Manager Microbiology and Clinical Diagnostics, Sanolabor
2003-2004 Manager Eastern Europe, Artus GmbH
2004-2006 Manager Marketing & Market Development Roche Molecular Diagnostics
2006-2009 Business Manager Applied Science Asia Pacific, Roche Diagnostics
2009-2011 Program Manager, Roche Diagnostics
2011-2013 Business Leader, Applied Science, Asia Pacific, Roche Diagnostics
2013-present Head of Strategic Development Asia Pacific

Selected Publications:
1.Submerged cultivation of Ganoderma lucidum and the effects of its polysaccharides on the production of human cytokines TNF-α, IL-12, IFN-γ, IL-2, IL-4, IL-10 and IL-17. Habijanic J, Berovic M, Boh B, Plankl M, Wraber B. N Biotechnol. 2015 Jan 25;32(1):85-95. doi: 10.1016/j.nbt.2014.07.007. Epub 2014 Jul 29.
2.Production of biomass and polysaccharides of Lingzhi or Reishi medicinal mushroom, Ganoderma lucidum (W.Curt. :Fr.) P. Karst. (higher Basidiomycetes), by submerged cultivation. Habijanic J, Berovic M, Boh B, Wraber B, Petravic-Tominac V. Int J Med Mushrooms. 2013;15(1):81-90.
3.Production of Lingzhi or Reishi medicinal mushroom, Ganoderma lucidum (W.Curt. :Fr.) P. Karst. (higher Basidiomycetes), biomass and polysaccharides by solid state cultivation. Berovic M, Habijanic J, Boh B, Wraber B, Petravic-Tominac V. Int J Med Mushrooms. 2012;14(5):513-20.
4.Submerged cultivation of Ganoderma lucidum biomass and immunostimulatory effects of fungal polysaccharides.Berovic M, Habijanic J, Zore I, Wraber B, Hodzar D, Boh B, Pohleven F.J Biotechnol. 2003 Jun 12;103(1):77-86.

3 月 24 日 (週六) 9:30-10:35
3 樓，第 31 教室

The Future of Healthcare and Diagnostics: AI Application

Dr. Jozica Habijanic
Roche Diagnostics Asia Pacific Pte. Ltd.

We are entering a new era of healthcare, which is becoming more patient centric, consumer driven, digitized and focused on prevention. Technology is one of the key drivers of change. Top trends and how they affect the world of healthcare and diagnostics will be outlined. What can we expect in the future? What will clinical utopia look like? How will the patient pathway look in the future and what role will diagnostics play? Where will we see changes in diagnostics? How different healthcare markets will develop over the next 10 years will be discussed from an APAC perspective. What does it mean for us all?

L3

Speaker :
黃嘯谷
Shau-Ku Huang

Current Position:
國家衛生研究院 國家環境醫學研究所 特聘研究員

Education/Training: (Begin with baccalaureate or other initial professional education)
1981 BS, Medical Technology, Taipei Medical University, Taiwan
1985 MS, Medical Technology, University of Vermont, U.S.A.
1988 PhD, Immunology, University of Vermont, U.S.A.
1990 Postdoctoral Fellow, Johns Hopkins University School of Medicine, USA

Professional and Research Experience:
1992/10 – present: Instructor/Assistant Professor/Associate Professor/Professor of Medicine, Department of Medicine, School of Medicine, Johns Hopkins University
2001/10 – present: Adjunct Professor, Institute of Medical Biotechnology, Taipei Medical University,Taiwan
2010/07 – present: Distinguished Investigator, National Health Research Institutes, Taiwan
2015/12 – present: Adjunct Chair Professor, Kaohsiung Medical University, Taiwan

Recent academic experience: Study Sections for grant review, including NIAID, NIH, National Health Research Institutes, MoST, Academia Sinica, Taiwan; Journal editorial board, including Clin Mol Allergy, and peer reviewer, including Nat Immunol, J Clin Invest, Blood, J Allergy Clin Immunol, J Biol Chem, J Immunol, Am J Respir Cell Mol Biol, Tox Sci, Environmental Sci & Technol, Frontiers in Public Health, etc.; Members of various administrative committees, including appointment, conflict of interest, Arbitration, etc.; Training of pre- & postdocs, including 50 MDs & PhDs postdocs

Awards and Honors:
2011 Distinguished Alumni, Taipei Medical University
Merrell Dow-American Academy of Allergy and Immunology Scholar in Allergy Award

Selected Publications:
1.Wang LT, Chiou SS, Chai CY, Hsi E, Yokoyama KK, Wang SN, Huang SK*, Hsu SH*. Intestine-Specific Homeobox Gene ISX Integrates IL6 Signaling, Tryptophan Catabolism, and Immune Suppression. Cancer Res. 2017;77:4065-4077. (IF: 9.122, 15/217)
2.Zhou Y, Do DC, Ishmael FT, Squadrito ML, Tang HM, Tang HL, Hsu MH, Qiu L, Li C, Zhang Y, Becker KG, Wan M, Huang SK*, Gao P*. Mannose receptor modulates macrophage polarization and allergic inflammation through miR-511-3p. J Allergy Clin Immunol. 2017 S0091-6749(17)30990-9. (IF: 13.081, 1/26)
3.Wang HC, Zhou YF, Huang SK*. SHP-2 phosphatase controls aryl hydrocarbon receptor–mediated stress response in mast cells. Arch Toxicol, 2017;91:1739-1748. (IF: 5.901; 5/92)
4.(Review) Huang SK*, Zhang Q, Qiu Z, Chung KF. Mechanistic impact of outdoor air pollution on asthma and allergic diseases. Journal of Thoracic Dis, 2015:7:23-33.

3 月 25 日 (週日) 14:30-15:30
2 樓，第 29 教室

Metabolic alteration in the environmental exposure-disease relationship

Shau-Ku Huang
National Institute of Environmental Health Sciences, National Health Research Institute

Over the past few decades, we have witnessed a significant increase in the prevalence of chronic diseases, including those manifested in the airways. It has become apparent that genetic variations alone is not sufficient to account for the observed changes; rather, both outdoor and indoor air pollution, in concert with modern lifestyle, are likely to have driven the increase in prevalence, and in some cases, the disease severity. This is particularly highlighted by recent awareness of, and concern about, the exposure to ubiquitous environmental pollutants, including chemicals with oxidant-generating capacities or endocrine-disrupting effects and their impact on the human immune system and health. However, the mechanisms of action remain unclear and the causal relationship has not been established. To address this important problem, our continuing effort has been on investigating the environmental exposure-disease relationship, with asthma as the primary disease outcome, integrating clinical, epidemiological, exposure science and systems medicine approaches. Results from our Consortium’ s efforts have suggested that common chemicals and pollutants target regulatory cell types and influence mucosal immune function. Notably, our recent evidence suggests an important role of the aryl hydrocarbon receptor (AhR; a unique cellular chemical sensor)-ligand axis in controlling cellular homeostasis, redox balance and optimal activation of several regulatory cell types, wherein metabolic shift is a prominent feature. Further, in assessing the exposure-disease relationship, bio-monitoring analyses provided evidence of association with asthma for a few common environmental pollutants and metals, correlating with the levels of oxidative stress markers and asthma severity. Also, lipidomics analyses of a battery of oxylipins and phospholipids demonstrated a unique profile in subjects with asthma. Collectively, our current results have led us to propose an “environmental priming hypothesis” that environmental exposure is able to “sensitize” the host via, in part, its ability to induce metabolic shifts, thereby increasing the sensitivity and/or reducing the tolerance of the host to subsequent challenge by biological and/or chemical agents, and, in genetically susceptible individuals, leading to the development of disease. With this collective effort integrating clinical, epidemiological and mechanistic investigations, it is hoped that the outcomes of this effort will add a new dimension to the understanding of disease mechanisms and will provide a foundation to ultimately establishing a causal relationship between exposure to environmental pollutants and the development of chronic diseases.

L4

Speaker :
黃聿
Yu HUANG

Current Position:
Professor of Biomedical Sciences 教授

Education/Training:
B.Sc, Fudan University Shanghai Medical College (July 1983)
M.Phil., Ph.D., Department of Pharmacology, University of Cambridge, England (Sept 1984- Feb 1988)

Professional and Research Experience:
Professor of Biomedical Sciences, School of Biomedical Sciences (August 2010 -)
Associate Director (Research), School of Biomedical Sciences (March 2016 -)
Director (Basic Sciences), Institute of Vascular Medicine, Chinese University of Hong Kong (2007-)

Awards and Honors:
Second-class Award, The State Natural Science Award, China (2015)
Croucher Senior Research Fellowship Award (2014), Hong Kong Croucher Foundation
The Robert F. Furchgott Lecture at the MOVD 2013 (11th International Symposium on Mechanisms of Vasodilatation), Zurich, Switzerland (2013)
The Office of Life Sciences Distinguished Lecture at National University of Singapore (2007)

Selected Publications:
1. CHEANG WS, WONG WT, ZHAO L, XU J, WANG L, LAU CW, CHEN ZY, MA RCW, XU A, WANG N, TIAN XY & ***HUANG Y** (2017) PPARδ Is required for exercise to attenuate endoplasmic reticulum stress and endothelial dysfunction in diabetic mice. Diabetes 66(2):519-528.
2. WANG L, LUO JY, LI B, TIAN XY, CHEN LJ, HUANG Y, LIU J, DENG D, LAU CW, WAN S, AI D, MAK KL, TONG KK, KWAN KM, WANG N, CHIU JJ, *ZHU Y & ***HUANG Y** (2016) Integrin-YAP/TAZ-JNK cascade mediates atheroprotective effect of unidirectional shear flow. Nature 540:579-581.
3. DONG J, WONG SL, LAU CW, LEE, HK, NG CF, ZHANG L, YAO X, CHEN ZY, VANHOUTTE PM & ***HUANG Y** (2012) Calcitriol protects renovascular function in hypertension by down-regulating angiotensin II type 1 receptors and reducing oxidative stress. ***European Heart Journal*** 33(23):2980-2990.
4. TIAN XY, WONG WT, XU A, LU Y, ZHANG Y, WANG L, CHEANG WS, WANG Y, YAO X & ***HUANG Y** (2012) Uncoupling protein-2 protects endothelial function in diet-Induced obese mice. ***Circulation Research*** 110(9):1211-1216.
5. WONG WT, TIAN XY, XU A, YU J, LAU CW, HOO RLC, WANG Y, LEE VWY, LAM KSL, VANHOUTEE PM & ***HUANG Y** (2011) Adiponectin is required for PPARd-mediated improvement of endothelial function in diabetic mice. ***Cell Metabolism*** 14(1):104-115.

3 月 24 日 (週六) 9:30-10:20
1 樓，第 2 教室

Function and dysfunction of vascular endothelium

Yu HUANG
Institute of Vascular Medicine and Li Ka Shing Institute of Health Sciences, Chinese University of Hong Kong, Hong Kong SAR, China

Healthy vascular endothelium is the critical player in maintaining vascular homeostasis through releasing several vaso-protective substances called endothelium-derived relaxing factors (EDRFs) such as nitric oxide. By contrast, loss of EDRFs in diseased endothelial cells unmasks the vaso-harmful impact of endothelium-derived contracting factors (EDCFs) such as vaso-constrictive prostanopids. Such disrupted balance between EDRFs and EDCFs in endothelium is referred to endothelial dysfunction, an important initial pathological event that triggers pathogenesis of vascular diseases in hypertension and diabetes. Increased production of reactive oxygen species (ROS) or raised oxidative stress in the vascular wall is probably the key factor to inactivate nitric oxide within endothelial cells. Understanding and targeting the sources of ROS is effective to increase the bioavailability of endothelium-derived nitric oxide, thus improving endothelial function in cardio-metabolic diseases. For example, a number of drugs clinically used to treat cardiovascular and metabolic diseases are able to reduce vascular oxidative stress so as to augment endothelial function in arteries from animals of diseases and from patients. In addition, targeting endothelium is also useful to inhibit vascular inflammation and disturbed blood flow-associated development of atherosclerosis.

L5

3 月 24 日 (週六) 14:30-15:30
1 樓，第 1 教室

Speaker :
Jane A. Mitchell

Current Position:
Head of Section of Vascular Biology at Imperial College London

Education/Training:
BSc in Biological Science, 1987
PhD in Pharmacology, 1990

Professional and Research Experience:
I trained as a PhD student with the Nobel Prize winner Sir John Vane (discovered prostacyclin and mechanism of action of aspirin), I then completed my postdoctoral training with Professor Ferid Murad who later received a Nobel Prize for his work in NO and the cardiovascular system. I took my first academic position at the National Heart and Lung Institute where I now lead my group and section.

Awards and Honors:
2017, Women In Science Award from the International Association of Inflammation Societies
2015, John Vane Award from the British Pharmacological Society

Selected Publications:
1. **JA Mitchell**, J Benson, F Shala, B Ahmetaj-Shala, NS Kirkby (2017) Vascular Prostanoids Paradoxically Amplify Vasoconstriction During Platelet Activation. ***Circulation 136 (Suppl 1), A18649-A18649***
2. **JA Mitchell**, F Shala, B Ahmetaj-Shala, J Jiao, PC Armstrong, MV Chan, ... (2017) Novel Tissue-specific Cyclooxygenase-1 Knockout Mice Demonstrate a Dominant Role for Endothelial Cyclooxygenase-1 in Prostacyclin Production. ***Circulation 136 (Suppl 1), A18520-A18520***
3. A Tesfai, N MacCallum, NS Kirkby, H Gashaw, N Gray, E Want, GJ Quinlan, S Mumby, JM Leiper, M Paul-Clark, B Ahmetaj-Shala, **JA Mitchell** (2017) Metabolomic profiling of amines in sepsis predicts changes in NOS canonical pathways. ***PLoS One. 12(8):e0183025.***
4. B Ahmetaj-Shala, A Tesfai, T Warner, N Kirkby, **JA Mitchell** (2017) Pharmacological assessment of ibuprofen arginate on platelet aggregation and colon cancer cell killing. ***Biochem Biophys Res Commun 484 (4), 762-766***
5. K Parzych, AV Zetterqvist, WR Wright, NS Kirkby, JA Mitchell, MJ Paul-Clark (2017) Differential role of pannexin-1/ATP/P2X7 axis in IL-1β release by human monocytes. ***FASEB J. 31(6):2439-2445.***

COX-2, non steroidal anti-inflammatory drugs (NSAIDs) and cardiovascular side effects: myths, legends and future direction

Jane A. Mitchell
Imperial College

Prostacyclin, is a potent inhibitor of platelets and a vasodilator; both features of a cardioprotective hormone. Prostacyclin is formed by the concerted actions of cyclooxygenase (COX) and prostacyclin synthase. COX is present in two isoforms; constitutive COX-1 expressed throughout the vasculature and COX-2 expressed constitutively in localized hotspots such as the kidney and induced at the site of inflammation. COX-2 is the therapeutic target for the nonsteroidal anti-inflammatory drugs (NSAIDs); the most commonly taken over the counter pain medications world-wide. However, NSAIDs are associated with cardiovascular side effects, which has caused the arrest of research and clinical application of COX-2 inhibitors in the treatment and prevention of cancer. We know that blocking prostacyclin underpins these side effects but espite years of research, the precise mechanisms by which COX-2 protects the cardiovascular system is not known.

Based on data from urinary levels of the cardioprotective COX product prostacyclin, one explanation for NSAID-cardiovascular side-effects has been that COX-2 drives prostacyclin in vessels. However, there is no direct evidence and our work has challenged this view, which is important since without clear evidence of a mechanism to explain how NSAIDs cause cardiovascular events we have no biomarkers to predict those few patients at risk. We have gone on to use a systems approach coupled with traditional pharmacology and found that genes regulated in the kidney by COX-2 include those associated with the ADMA pathway. ADMA is an inhibitor of endothelial NOS, competing with endogenous L-arginine and blocking vascular NO release. This work clearly implicates the kidney as a major site of COX-2 and ADMA as a viable biomarker and mechanistic driver of cardiovascular side effects associated with NSAIDs/COX-2 inhibitor usage. The implications of this and related work will be discussed.

L6

Speaker :
寺田純雄
TERADA Sumio

Current Position:
Professor, Department of Neuroanatomy and Cellular Neurobiology/Center for Brain Integration Research / 東京醫科齒科大學神經機能形態學 / 腦統合機能研究中心教授

Education/Training:
1991-1993 University of Tokyo, Ph.D. Anatomy and Cell Biology (Received in 1996)
1983-1989 University of Tokyo, B.S. Medicine

Professional and Research Experience:
2005-2018 Professor, Neuroanatomy and Cellular Neurobiology, Graduate School of Medical and Dental Sciences, TMDU
2008-2018 Professor, Center for Brain Integration Research, TMDU
2005-2008 PRESTO (Sakigake) Researcher, Strategic Basic Research Programs, Japan Science and Technology Agency
2001-2005 Junior Associate Professor, Anatomy and Cell Biology, Faculty of Medicine, University of Tokyo
1997-2001 Assistant Professor, Anatomy and Cell Biology, Faculty of Medicine, University of Tokyo
1993-1997 Assistant Professor, Institute for Brain Research, Faculty of Medicine, University of Tokyo
1989-1991 Resident, Surgery, Saitama Medical School Hospital

Awards and Honors:
2017 TMDU Best Teacher Award for Basic Medical Sciences
2002 Japan Neuroscience Society Young Investigator Award

Selected Publications:
1.Sato F, Asakawa H, Fukuma T, Terada S. Semi-in-situ atomic force microscopy imaging of intracellular neurofilaments under physiological conditions through the 'sandwich' method. Microscopy (Oxford). 2016; 65:316-324.
2.Terada S, Kinjo M, Aihara M, Takei Y, Hirokawa N. Kinesin-1/Hsc70-dependent mechanism of slow axonal transport and its relation to fast axonal transport. EMBO Journal 2010; 29: 843-854.
3.Terada S. Where does slow axonal transport go? Neuroscience Research 2003; 47: 367-372.
4.Terada S, Kinjo M, Hirokawa N. Oligomeric tubulin in large transporting complex is transported via kinesin in squid giant axons. Cell. 2000; 103: 141-155.
5.Terada S, Nakata T, Peterson AC, Hirokawa N. Visualization of slow axonal transport in vivo. Science. 1996; 273: 784-788.

3 月 24 日 (週六) 9:30-10:20
3 樓，第 32 教室

Toward deciphering the mystery of cytoskeletal dynamics

TERADA Sumio
Department of Neuroanatomy and Cellular Neurobiology/Center for Brain Integration Research

Cytoskeletons are known to maintain cellular morphology and intracellular transport, but our current knowledge of their dynamics is still scarce especially that of intermediate filaments, resulting in limited understanding of their physiological and pathological roles in situ. We have been studying mainly on neurofilaments, which are characterized by their formation of biochemically stable and neuron-specific obligate heteropolymers in vivo. Their dynamics has been studied with close relation to their intracellular transport, i.e. slow axonal transport, and there have been long-lasting debates concerning contrasting two hypotheses, polymer sliding and subunit transport theories, on their mechanism. Based on our fluorescence cross-correlation spectroscopy data using squid giant axons and analysis on transgenic mice phenotypes, we proposed Hsc70-scaffold hypothesis on the transport mechanism, one of possible clues to untie the problem. Under accelerated polymerization states with intermediate filament polymerization enhancer we have identified by chemical screening, we observed filament elongation process by total internal reflection fluorescence or highly inclined and laminated optical sheet microscopy, and found that neurofilament proteins show distinct modes of polymerization. With similar preparations, for direct imaging of cytoplasmic genuine intermediate filaments by in-situ atomic force microscopy, we applied a modified 'cells on glass sandwich' method to exteriorize newly polymerized intracellular neurofilaments. The observed thin filaments, considered to retain bona fide native structures of the neurofilaments, exhibited an approximate periodicity of 50-60 nm along their length. Our further observations with primary culture of hippocampal neurons also suggested that transition between these distinct modes might be developmentally regulated. Taken together, these close-up pictures of neurofilament proteins would reconcile the different preceding hypothesis on polymerizing units, showing that different modes of polymerizing processes are the structural basis for a dynamic neurofilament network that supports morphological changes in neurons. To decipher the mechanism of cytoskeletal dynamics in general further at a single molecule resolution, we have been currently developing a new spectroscopic method using fluorescence polarization.

L7

Speaker :
魏耀揮
Yau-Huei Wei

Current Position:
Director, Center for Mitochondrial Medicine and Free Radical Research, Changhua Christian Hospital/ 彰化基督教醫院粒線體醫學暨自由基研究院 院長

Education/Training:
1974 B.S. in Agricultural Chemistry, National Taiwan University, Taipei, Taiwan.
1980 Ph.D. in Biochemistry/Chemistry, State University of New York at Albany, New York, USA.

Professional and Research Experience:
1981-1996 Associate Professor, Professor and Chairman, Department of Biochemistry, National Yang-Ming Medical College.
1996-2000 Professor and Director, Center for Cellular and Molecular Biology, National Yang-Ming University.
1999-2001 Vice-Chairman, Department of Medicine, School of Medicine, National Yang-Ming University.
2001-2005 Director General, Department of Life Sciences, National Science Council, Executive Yuan, Taiwan.
2006-2009 Distinguished Professor and Dean of Academic Affairs, National Yang-Ming University
2009-2017 President, Mackay Medical College President, Mackay Medical College

Awards and Honors:
2011 Paul Han Biomedical Engineering Service Award
2003 Outstanding Research Career Award, National Science Council, Taiwan
1989-1990 Distinguished Teaching Award, Ministry of Education, Taiwan.
1987-1989, 1989-1991, 1992-1994, 1995-2001 Outstanding Research Award, National Science Council, Taiwan.
1983-1985, 1993-1994 Biomedical Research Chair Award, Tjing-Ling Medical Foundation, Taiwan.

Selected Publications:
1.Wu, Y. T., Y. H. Hsu, C. Y. Huang, M. C. Ho, Y. C. Cheng, C. H. Wen, H. W. Ko, H. E. Lu, Y. C. Chen, C. L. Tsai, Y. C. Hsu*, **Y. H. Wei***, and P. C. H. Hsieh* (2018) Generation of induced pluripotent stem cell (iPSC) line from a 40-year-old (Myoclonic Epilepsy with Ragged Red Fibers Syndrome) MERRF disease patient with mitochondrial DNA A8344G mutation. Stem Cell Res. 27: 10-14.
2.Hsu, Y. C., C. T. Chen, and **Y. H. Wei*** (2016) Mitochondrial resetting and metabolic reprogramming in induced pluripotent stem cells and mitochondrial disease modeling. Biochim. Biophys. Acta – General Subjects 1860(4): 686-693.
3.Wang, C. H., Y. F. Chen, C. Y. Wu, P. C. Wu, Y. L. Huang, C. H. Kao, C. H. Lin, L. S. Kao, T. F. Tsai*, and **Y. H. Wei*** (2014) Cisd2 modulates the differentiation and functioning of adipocytes by regulating intracellular Ca2+ homeostasis. Hum. Mol. Genet. 23(18): 4770-4785.

3 月 24 日 (週六) 9:30-10:20
3 樓，第 33 教室

Metabolic reprogramming in mitochondrial diseases and in stem cell differentiation and iPSCs formation

Yau-Huei Wei*, Chien-Tsun, Chen, Shi-Bei Wu, Yu-Ting Wu, and Yi-Chao Hsu
Institute of Biochemistry and Molecular Biology, National Yang-Ming University, Taipei 112 and Center for Mitochondrial Medicine and Free Radical Research, Changhua Christian Hospital, Changhua, Taiwan 500

Mitochondrial DNA (mtDNA) mutations are an important cause of mitochondrial diseases, for which there is no effective treatment due to complex pathophysiology. Accumulating evidence has suggested that mitochondrial dysfunction-elicited overproduction of reactive oxygen species (ROS) plays a vital role in the pathogenesis of mitochondrial diseases, and that the expression levels of several clusters of genes are altered in response to the elevated oxidative stress. We reported that glycolysis and antioxidant defense mechanism in affected cells with mitochondrial dysfunction are upregulated by AMP-activated protein kinase (AMPK), and such an adaptive response of metabolic reprogramming plays an important role in the pathophysiology of mitochondrial diseases. Adaptive responses via AMPK–PFK2, AMPK–FOXO3a, and AMPK–PGC-1α signaling pathways, respectively, are finely modulated for the survival of human cells under oxidative stress induced by mitochondrial dysfunction. Elucidation of the adaptive mechanisms involved in AMPK activation cascades has led us to better understand the crosstalk between mitochondria and the nucleus in affected cells from patients with mitochondrial diseases. On the other hand, mitochondria play a critical role in stem cell differentiation. We first demonstrated that mitochondrial biogenesis and respiratory function and antioxidant enzymes are upregulated during osteogenic and adipogenic differentiation of human stem cells. The amplitude of decrease of glycolytic flux and the fold of increase of oxidative metabolism and expression of antioxidant enzymes are determinants of the success of stem cell differentiation. By contrast, mitochondrial biogenesis and function are down-regulated in the process of generation of induced pluripotent cells (iPSCs) from somatic cells. iPSCs rely on glycolysis rather than oxidative phosphorylation as a major supply of energy. Mitochondria-rich neurons, myocytes, and cardiomyocytes are most affected tissue cells in the patients with mitochondrial dysfunction, which can be differentiated from fibroblasts-derived iPSCs. Generating these cells from iPSCs derived from skin fibroblasts of patients with mitochondrial diseases can provide cell modeling to study the pathogenic mechanism of mtDNA mutations and serve as a platform for screening of drug candidates for future treatment of patients with mitochondrial diseases.

L8

Speaker :
賴明宗
Ming-Zong Lai

Current Position:
Distinguished Research Fellow and Professor, Institute of Molecular Biology, Academia Sinica
特聘研究員及教授 中央研究院分子生物研究所

Education/Training:
B.S. in Pharmacy, National Taiwan University. (1974)
Ph.D. in Pharmaceutical Chemistry, University of California, San Francisco. (1984)
Postdoctoral Fellow, Department of Biology, Massachusetts Institute of Technology. (1984-1988)

Professional and Research Experience:
Associate Research Fellow, Institute of Molecular Biology, Academia Sinica (1988-1995)
Research Fellow, Institute of Molecular Biology, Academia Sinica (1995-2010)
Adjunct Professor, Graduate Institute of Immunology, National Taiwan University (1996-Present)
Distinguished Research Fellow, Institute of Molecular Biology, Academia Sinica (2010-Present)

Awards and Honors:
Academic Award, Ministry of Education 教育部第 61 屆學術獎 (2017)
Hou Jin-Duei Outstanding Research Honor 侯金堆傑出榮譽獎 (2010)
Outstanding Award, National Science Council 國科會傑出獎 (1996, 1998, 2000)

Selected Publications:
1.Hsieh, W. C., Hsu, T.-S., Chang, Y.-J., and Lai, M.-Z*. (2018) IL-6 receptor blockade corrects defects of XIAP-deficient regulatory T cells. Nature Communications (In press).
2.Hsiao, H.-W., Hsu, T.-S., Liu, W.-H., Hsieh, W. C., Chou, T.-F., Wu, Y.-J., Jiang, S.-T., and Lai, M.-Z*. (2015) Deltex1 antagonizes HIF-1α and sustains the stability of regulatory T cells in vivo. Nature Communications 6:6353.
3.Hsieh, W. C., Chuang, Y.-T., Chiang, I.-H., Hsu, S.-C., Miaw, S.-C., and Lai, M.-Z*. (2014) Inability to resolve specific infection generates innate immunodeficiency syndrome in Xiap-/- mice. Blood.124:2847-2857.
4.Hsiao, H.-W. , Liu, W.-H. , Wang, C.-J., Lo, Y.-H., Wu, Y.-H., Jiang, S.-T., and Lai, M.-Z*. (2009) Deltex1 is a target of the transcription factor NFAT that promotes T cell anergy. Immunity 31:72-83.

3 月 24 日 (週六) 9:30-10:20
1 樓， 可勝廳

Regulatory T cells correct infection-induced inflammation in primary immunodeficiency

Wan-Chen Hsieh[1], Tzu-Sheng Hsu[1], Ya-Jen Chang[2], and Ming-Zong Lai[1]
[1]Institute of Molecular Biology, and [2]Institute of Biomedical Sciences, Academia Sinica, Taipei 11529, TAIWAN.

Emerging evidence indicates that primary immunodeficiency syndromes are linked to mutations in immune receptor/signaling and selective infection. X-linked lymphoproliferative syndrome type-2 (XLP-2) is a primary immunodeficiency disease attributed to mutation of X-linked inhibitor of apoptosis protein (XIAP) and is triggered by infection, with poorly understood molecular mechanisms. We found that XIAP-deficiency selectively impaired BCL10-mediated innate responses to dectin-1 ligands, but did not affect responses to various Toll-like receptor (TLR) agonists. Consequently, Xiap-/- mice became highly vulnerable upon Candida albicans infection. The compromised early innate responses led to persistent presence of C. albicans and inflammatory cytokines in Xiap-/- mice. Furthermore, priming of Xiap-/- mice with dectin-1 ligand curdlan alone resulted in XLP-2-like syndromes. In addition, we showed that mouse Xiap-/- regulatory T cells (Tregs) and human XIAP-deficient Tregs were defective in their suppressive function. We link the Xiap-/- Tregs defect partly to decreased SOCS1 expression. XIAP binds SOCS1 and promotes SOCS1 stabilization. We found reduced Foxp3 stability in Xiap-/- Tregs. Additionally, Xiap-/- Tregs were prone to secreting IFN-γ and IL-17. Re-introduction of SOCS1 restored the function and stability of Xiap-/- Tregs. We also demonstrate that transfer of wild-type Tregs partly rescued infection-induced inflammation in Xiap-/- mice. Administration of WT Tregs 2 days after C. albicans infection partly rescued the survival of Xiap-/- mice; 60% of infected Xiap-/- mice that received WT iTregs survived 40 days after infection, whereas all untreated Xiap-/- mice had died by 18 day post-infection. WT Tregs transfer also alleviated kidney inflammation and suppressed the high levels of serum inflammatory cytokines in untreated infected Xiap-/- mice. Moreover, the delivery of WT Tregs effectively reduced fungal burden in infected Xiap-/- mice. Notably, the transfer of WT Tregs did not interfere with the generation of C. albicans-specific T helper 17 cells. These results suggest that XIAP-intact Tregs restore the ability of Xiap-/- mice to respond to infection and infection-induced inflammation. Furthermore, our study suggests that Tregs could be used to treat primary immunodeficiency.

L9

Speaker :
Yong Song Gho

Current Position:
Full Professor, Department of Life Sciences, POSTECH, Pohang, Korea

Education/Training:
1983-1987, B.S. in Chemistry, Seoul National University, Seoul, Korea
1987-1989, M.S. in Biochemistry, Seoul National University, Seoul, Korea
1991-1997, Ph.D. in Biochemistry and Biophysics, University of North Carolina, Chapel Hill, NC, USA

Professional and Research Experience:
1998-2000, Visiting Fellow, NIDCR, NIH, Bethesda, MD, USA
2000-2004, Assistant Professor, Kyunghee University, Yongin, Korea
2004-present, Assistant Professor, Associate Professor, and Full Professor, Department of Life Sciences, POSTECH, Pohang, Korea
2015-present, Guest Professor, University of Gothenburg, Gothenburg, Sweden

Awards and Honors:
2014, International Society of Extracellular Vesicles (ISEV) Presidential Award, The Netherlands

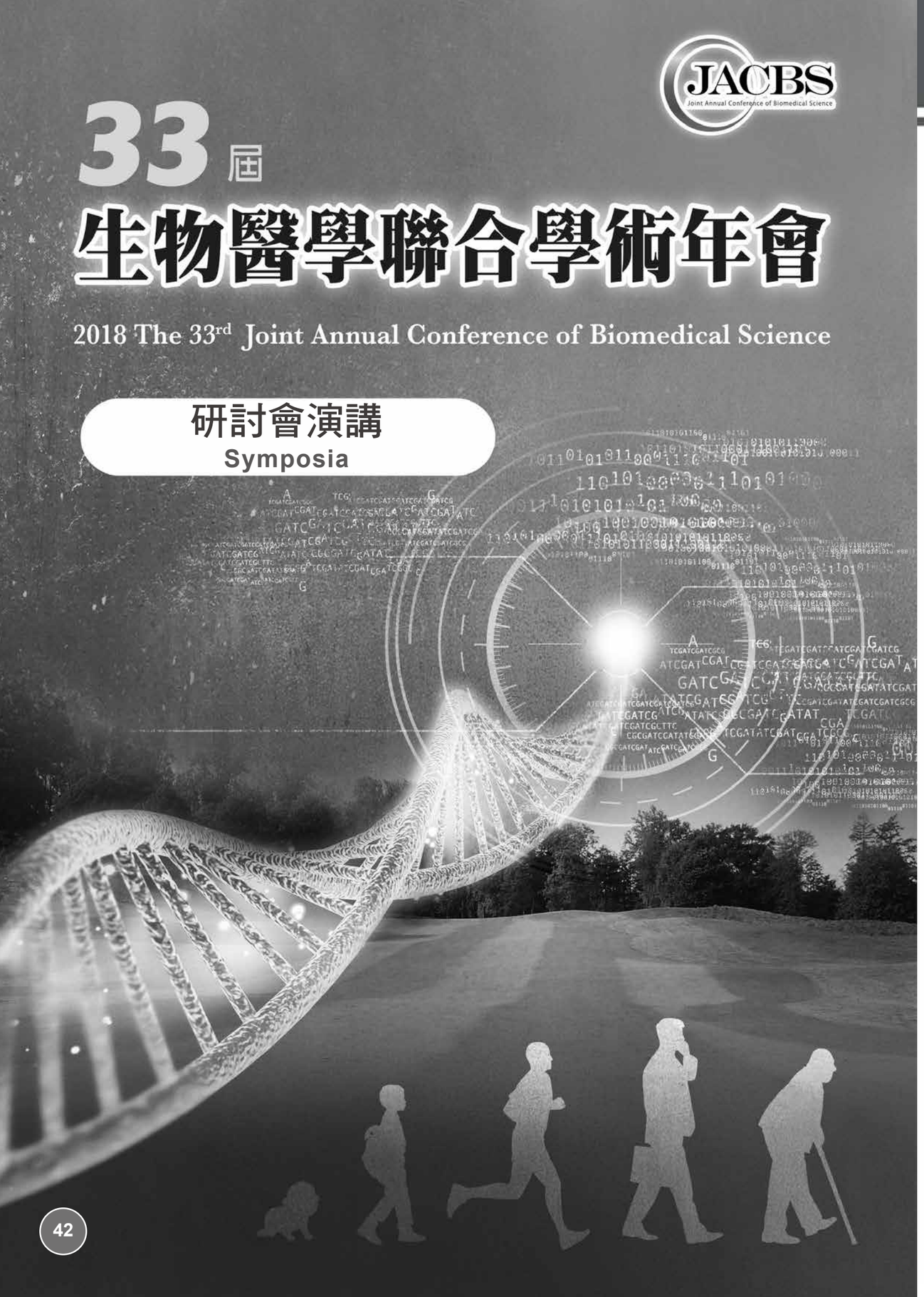
Selected Publications:
1.Kim OY, Park HT, Dinh NT, Choi SJ, Lee J, Kim JH, Lee SW, and Gho YS. Bacterial outer membrane vesicles suppress tumor by interferon-γ-mediated antitumor response. Nature Communications 8(1): 626, 2017
2.Gho YS*, Lee C*. Emergent properties of extracellular vesicles: a holistic approach to decode the complexity of intercellular communication networks. Mol. Biosyst. 13(7):1291-1296, 2017. [Hot Article]
3.Kim OY, Lee J, Gho YS*. Extracellular vesicle mimetics: Novel alternatives to extracellular vesicle-based theranostics, drug delivery, and vaccines. Semin Cell Dev Biol. 67: 74-82, 2017
4.Kim OY, Dinh NT, Park HT, Choi SJ, Hong K, Gho YS*. Bacterial protoplast-derived nanovesicles for tumor targeted delivery of chemotherapeutics. Biomaterials. 113:68-79, 2017

3 月 24 日 (週日) 9:30-10:20
2 樓， 第 20 教室

Exosome-based cancer therapeutics

Yong Song Gho
Department of Life Sciences, POSTECH, Pohang, Korea

The secretion of nano-sized lipid bilayered exosomes is a universal cellular process occurring from simple organisms to complex multicellular organisms. Recent progress in this area has revealed that exosomes, also known as extracellular vesicles and microvesicles, play multiple roles in intercellular and interspecies communication, suggesting that exosomes are NanoCosmos, i.e., extracellular organelles that play diverse roles in intercellular and interkingdom communication. This presentation focuses on the comprehensive aspects of cancer exosomes including their components (http://evpedia.info), biogenesis, and diverse pathological functions such as angiogenesis and immune modulation that should facilitate further applications, especially to develop in vitro and in vivo cancer diagnostic tools and therapeutics including our recent progress in novel mammalian and bacterial exosome-mimetic technology for targeted delivery of chemotherapeutics and siRNA. Furthermore, bacterial exosome-based cancer immunotherapy will be introduced.



中華民國細胞及分子生物學學會

主題 Glycoscience
時間：107 年 3 月 25 日 (週日)
地　點 : 3 樓，第 30 教室
主 持 人 : 劉扶東

編號	時段	演講者 & 講題
S01	14:30-15:00	Modulatory role of galectin-9 in autoimmune diabetes 司徒惠康 / National Health Research Institutes
S02	15:00-15:30	Up-regulation of Golgi α-mannosidase IA and down-regulation of Golgi α-mannosidase IC activates unfolded protein response during hepatocarcinogenesis 喻秋華 / Institute of Molecular and Genomic Medicine, National Health Research Institutes, Zhunan, Miaoli, Taiwan
S03	15:40-16:10	Structure of surface glycans on leukemia cells affects susceptibility to NK-mediated cytotoxicity 涂玉青 / Department of Biotechnology and Laboratory Science in Medicine, National Yang-Ming University
S04	16:10-16:40	Sweet stories about the cell adhesion in gut bacteria 林俊宏 / Institute of Biological Chemistry, Academia Sinica

中華民國臨床生化學會

主題 Development of analytical methods for metabolomics studies and therapeutic drug monitoring
時間：107 年 3 月 24 日 (週六)
地　點 : 3 樓，第 31 教室
主 持 人 : 蘇剛毅

編號	時段	演講者 & 講題
S05	14:30-15:30	Development of analytical methods for metabolomics studies and therapeutic drug monitoring 郭錦樺 / School of Pharmacy, College of Medicine, National Taiwan University The Metabolomics Core Laboratory, Center of Genomic Medicine, National Taiwan University, Taiwan
S06		Altered mitochondrial metabolism regulates breast cancer tumorigenicity 郭靜穎 / Department of Clinical Laboratory Sciences and Medical Biotechnology, National Taiwan University, Taipei, Taiwan; Department of Diabetes Complications and Metabolism,Diabetes and Metabolism Research Institute, City of Hope National Medical Center, California, USA
S07		Metabolomics in human health 鄭美玲 / Healthy Aging Research Center, Metabolomics Core Laboratory, Chang Gung University, Tao-Yuan, Taiwan Department of Biomedical Sciences, College of Medicine,Chang Gung University, Tao-Yuan, Taiwan

中華民國毒物學學會

主題 台灣毒物學學會 30 周年慶
時間：107 年 3 月 24 日 (週六)
地　點 : 3 樓，致德堂
主 持 人 : 康照洲

編號	時段	演講者 & 講題
S08	14:35-14:55	The history of The Toxicology Society of Taiwan (TSTA) affiliate to The International Union of Toxicology (IUTOX) 周昌弘 / Academia Sinica
S09	14:55-15:15	The Future development of Toxicology in Taiwan 林嬪嬪 / National Institute of Environmental Health Sciences, National Health Research Institutes
S10	15:15-15:50	Introduction to a concept of “Signal Toxicity” for broader research planning to promote precision medicine and healthy aging Dr. Jun Kanno (Japan) / Japan Bioassay Research Center, Japan Organization of Occupational Health and Safety
S11	15:50-16:25	Toxicology: The Essential Science in Risk Assessment Dr. Songsak Srianujata (Thailand) / Institute of Nutrition, Mahidol University (INMU), Thai Society of Toxicology (TST), Asian Society of Toxicology (ASIATOX)

中國生理學會

主題 Cardiovascular Physiology
時間：107 年 3 月 24 日 (週六)
地　點 : 1 樓，第 2 教室
主 持 人 : 曾清俊

編號	時段	演講者 & 講題
S12	15:30-17:30	Inflammation and immunity in hypertension and heart failure: Role of brain AT1 receptors Yoshitaka Hirooka/ International University of Health and Welfare School of Health Sciences
S13		Atrial Fibrillation : Bench to the Operating Theater 陳適安 / Director, Department of Medicine, Taipei Veterans General Hospital, Taipei; Professor of Medicine, National Yang-Ming University, School of Medicine
S14		Regulation of Ion Channel Biosynthesis in Cardiac and Skeletal Muscles 湯志永 / Director and Professor, Department of Physiology, College of Medicine, National Taiwan University

中華民國解剖學學會

主題 Models of disease pathogenesis
時　間：107 年 3 月 24 日 (週六)
地　點 : 3 樓，第 32 教室
主持人 : 郭余民

編號	時段	演講者 & 講題
S15	14:30-15:00	Regulation of ether-à-go-go potassium channel expression by RING E3 ubiquitin ligases 鄭瓊娟 / Institute of Anatomy and Cell Biology, School of Medicine, National Yang-Ming University
S16	15:00-15:30	Functional Dissection of the Central Glucoregulatory circuits 楊世斌 / Institute of Biomedical Sciences, Academia Sinica
S17	15:30-16:00	Function of chondroitin sulfate synthase in hepatocellular carcinoma 劉炯輝 / Chung Shan Medical University
S18	16:00-16:30	Lysosomal activity maintains Ad4BP/SF-1 stability for proper steroidogenic cell growth 王家義 / Department of Cell Biology and Anatomy, College of Medicine, National Cheng Kung University

台灣生物化學及分子生物學會

主題 Mitochondrial Medicine
時　間：107 年 3 月 24 日 (週六)
地　點 : 3 樓，第 33 教室
主持人 : 魏耀揮

編號	時段	演講者 & 講題
S19	14:30-15:00	Purinergic P2X7 in inflammation: regulation of mitochondrial dynamics and lysosomal biogenesis 林琬琬 / Department of Pharmacology, College of Medicine, National Taiwan University, Taipei, Taiwan
S20	15:00-15:30	Blocking dynamic trafficking of mitochondrial key energy protein for cancer therapy 阮雪芬 / Department of Life Science, National Taiwan University
S21	15:30-16:00	The survival response to mitochondrial oxidative stress endues tumorigeneity in tumor microenvironment 李岳倫 / National Institute of Cancer Research, National Health Research Institutes
S22	16:00-16:30	Mitochondria-to-nucleus communications in cancer progression 李新城 / Department and Institute of Pharmacology, School of Medicine, National Yang-Ming University

中華民國免疫學會

主題 Advances of Lymphocyte activation
時間：107 年 3 月 24 日 (週六)
地　點 : 1 樓，可勝廳
主 持 人 : 許秉寧

編號	時段	演講者 & 講題
S23	14:30-15:00	Protein kinases and phosphatases in T cell signaling, inflammation and autoimmunity 譚澤華 / Immunology Research Center, National Health Research Institutes
S24	15:00-15:30	O-GlcNAcylation in B cell immunity 林國儀 / Genomics Research Center, Academia Sinica

台灣分子生物影像學會

主題 Advances of exosome research (I)
時間：107 年 3 月 24 日 (週六)
地　點 : 2 樓，第 20 教室
主 持 人 : 沈湯龍 / 李光申

編號	時段	演講者 & 講題
S25	14:30-15:00	Extracellular Vesicles: An Overview Yong Song Gho/ Department of Life Sciences, POSTECH, Pohang, Korea
S26	15:00-15:30	From Seeing to Believing: Visualization and Tracking of Extracellular Vesicles 賴品光 / Institute of Atomic and Molecular Sciences, Academia Sinica

台灣分子生物影像學會

主題 Advances of exosome research (II)
時間：107 年 3 月 24 日 (週六)
地　點 : 2 樓，第 20 教室
主 持 人 : 賴品光 / 陳致真

編號	時段	演講者 & 講題
S27	15:45-16:15	Theranostic potentials of exosomes in liver diseases 李光申 / Institute of Clinical Medicine, National Yang-Ming University
S28	16:15-16:45	Exosomes in degenerative neural diseases theranostics 劉仁賢 / Biomedical Imaging and Radiological Sciences, National Yang-Ming University

中國生理學會

主題 Physiological Seminar
時間：107 年 3 月 25 日 (週日)
地　點 : 1 樓，第 2 教室
主 持 人 : 阮琪昌

編號	時段	演講者 & 講題
S29	14:30-15:00	Epigenetic Regulation of Cancer Metabolism by Myc and AMPK signaling 彭怡禎 / Assistant Professor, Department of Life Sciences, National Cheng Kung University, Taiwan
S30	15:00-15:30	Cracking the neuronal activation mechanism upon memory formation 林貝容 / Assistant Professor, Institute of Neuroscience, National Yang-Ming University, Taipei, Taiwan
S31	15:30-16:00	Immune Checkpoint Inhibitors in Urogenital Cancers 宋文瑋 / Department of Physiology, School of Medicine, Chung Shan Medical University Department of Urology, Chung Shan Medical University Hospital
S32	16:00-16:30	Distinct protective mechanisms by enterocyte-derived glycolytic metabolites in the gut under hypoxic stress 黃菁英 / Department of Food Science and Biotechnology, National Chung Hsing University, Taichung, Taiwan

台灣藥理學會

主題 The role of neuropeptides in the brain
時間：107 年 3 月 25 日 (週日)
地　點 : 1 樓，第 1 教室
主 持 人 : 邱麗珠 / 許桂森

編號	時段	演講者 & 講題
S33	14:30-15:00	Implications of Orexin-Induced Endocannabinoid Disinhibition: Stress-Induced Analgesia, Acupuncture Analgesia and Stress-Induced Drug Craving 邱麗珠 / Graduate Institute of Brain and Mind Sciences, Department of Pharmacology, College of Medicine, National Taiwan University, Taipei, Taiwan
S34	15:00-15:30	The roles of hypothalamic orexin system in cardiovascular regulation 黃玲玲 / Department of Physiology, College of Medicine, Taipei Medical University
S35	15:30-16:00	Angiotensin IV acts through c-Met to suppress hippocampal long-term depression (LTD) with a possible connection with memory decay in rats 黃翊恭 / Dept. of Pharmacology, National Defense Medical Center, Taipei, Taiwan

S36	16:00-16:30	Beyond the “love hormone”: a novel role for oxytocin in regulating adult hippocampal neurogenesis 許桂森 / Department of Pharmacology, College of Medicine, National Cheng Kung University, Tainan 70101, Taiwan

中華民國解剖學學會

主題 Inflammation: mechanisms and phenomena
時間：107 年 3 月 25 日 (週日)
地　點 : 三樓，第 32 教室
主 持 人 : 莊宏亨

編號	時段	演講者 & 講題
S37	14:30-15:00	Immune modulatory effect of melatonin and its therapeutic potential in disease models 林谷峻 / Department of Biology and Anatomy, National Defense Medical Center
S38	15:00-15:30	Studies on the Anti-cancer and Anti-inflammatory Activities of 2-Phenylnaphthalenes 張綺芬 / Department of Anatomy, School of Medicine, China Medical University, Taichung, Taiwan
S39	15:30-16:00	The protective effect of eupafolin on lung inflammation 宋欣錦 / Department of Anatomy, Chang Gung University
S40	16:00-16:30	The role of tPA-MMP-9 Axis in regulating mobilization of Endothelial Progenitor Cells for neovascularization in ischemic limbs 呂史提 / Institute for Translational Research in Biomedicine, Kaohsiung Chang Gung Memorial Hospital

台灣生物化學及分子生物學會

主題 Telomere Biology
時　間：107 年 3 月 25 日 (週日)
地　點 : 3 樓，第 33 教室
主持人 : 林敬哲

編號	時段	演講者 & 講題
S41	14:30-15:00	TERRA RNA at telomeres and beyond 朱雪萍 / Molecular and Cellular Biology, National Taiwan University
S42	15:00-15:30	Multiple pathways scrutinize telomere function 鄧述諄 / Graduate Institute of Microbiology, College of Medicine, National Taiwan University
S43	15:30-16:00	Immune escape during the development of telomerase-independent telomere maintenance in cancer 陳律佑 / Institute of Molecular Biology, Academia Sinica
S44	16:00-16:30	Telomeric transcripts stimulate telomere recombination to suppress senescence in cells lacking telomerase 林敬哲 / Institute of Biochemistry and Molecular Biology, National Taiwan University College of Medicine, Taipei

中華民國免疫學會

主題 Infection and immunity
時間：107 年 3 月 25 日 (週日)
地　點 : 1 樓，可勝廳
主 持 人 : 郭敏玲

編號	時段	演講者 & 講題
S45	14:30-15:00	Galectins Regulate Xenophagy of Group A Streptococcus 林以行 / Department of Microbiology and Immunology, College of Medicine, National Cheng Kung University, Tainan, Taiwan
S46	15:00-15:30	Receptor collaboraion in innate cell response to fungal infetion 伍安怡 / Graduate Institute of Immunology, National Taiwan University College of Medicine

台灣分子生物影像學會

主題 Advances of microCT technology and application
時間：107 年 3 月 25 日 (週日)
地　點 : 2 樓，第 20 教室
主 持 人 : 劉仁賢 / 柯瓊媛

編號	時段	演講者 & 講題
S47	09:00-10:00	Advances of in vivo optical imaging 柯建志 / Biomedical Imaging Research Center, National Yang-Ming University
S48		Advances of Preclinical Applications of microCT 陳仁焜 / Institute of BioMedical Engineering & NanoMadicine, National Health Research Institutes, Zhunan, Taiwan
S49		Advances technology of ultra-high resolution microCT. 李致賢 / Delta Electronics, Inc.

S1

3 月 25 日 (週日) 14:30-15:00
3 樓，第 30 教室

Speaker :
司徒惠康
Huey-Kang Sytwu

Modulatory role of galectin-9 in autoimmune diabetes
Galectin-9 對自體免疫糖尿病的調控角色

Huey-Kang Sytwu
National Health Research Institutes

Galectin-9 (gal-9) is a β-galactoside binding lectin which binds to the N-glycosylation site of T-cell Ig mucin 3 (Tim-3) on T cells and further induces their apoptosis. We have demonstrated that mice treated with gal-9 plasmid were significantly protected from diabetes and showed less severe insulitis compared with controls. Flowcytometric analyses in NOD-T1/2 double transgenic mice showed that Th1-cell population in spleen, pancreatic lymph node and pancreas was markedly decreased in gal-9 plasmidtreated mice, indicating a negative regulatory role of gal-9 in the development of pathogenic Th1 cells. Although it is documented that exogenous gal-9 exerts its effects by binding to cell surface glycoproteins on CD4+ T cells, the biological functions of endogenous gal-9 are largely unknown. Based on our preliminary results that gal-9 is accumulated in the cytosol of naïve T cells and the amount is declined, unlikely by secreting extracellularly, upon T cell activation, we hypothesize that gal-9 may regulate T cells in an "endogenous" manner. In our study, we first compared the populations of naive (CD44loCD62Lhi) and memory-like (CD44hiCD62Llo) T cells in the peripheral lymphoid organs between WT and gal-9 knockout (KO) mice. Our data revealed that the memory-like population is significantly reduced in gal-9 KO mice, suggesting that gal-9 positively regulates the development of memory-like T cells. In functional assays, gal-9 deficient T cells showed markedly decreased TCR-mediated effector responses, in terms of proliferation and Th17 differentiation, in a cell-intrinsic manner. These results are supported by western blot analyses that phosphorylated PLC (Tyr783) and Zap-70 (Tyr319) were significantly reduced in gal-9 deficient T cells. Moreover, blockage of gal-9 receptor Tim-3 on WT CD4+ T cell did not dampen the function of CD4+ T cells, further supporting that the intracellular effect of gal-9 on T cell proliferation is Tim-3-independent. To further explore whether the endogenous gal-9 in CD4+ T cells modulates inflammatory process, we transferred WT or gal-9 deficient CD4+ CD45RBhi T cells into immunodeficient Rag1 KO recipients and monitored the kinetics and severity of colitis by measuring the body weight and diarrhea. Our results revealed that the gal-9 deficient group showed delayed onset of colitis, which is correlated with our in vitro studies. Our findings indicate that intracellular gal-9 is a positive regulator of T cell activation and Th17 differentiation through mediating proximal TCR signaling.

S2

3 月 25 日 (週日) 15:00-15:30
3 樓，第 30 教室

Speaker :
喻秋華
Chiou-Hwa Yuh

Up-regulation of Golgi α-mannosidase IA and down-regulation of Golgi α-mannosidase IC activates unfolded protein response during hepatocarcinogenesis

Chiou-Hwa Yuh
Institute of Molecular and Genomic Medicine, National Health Research Institutes, Zhunan, Miaoli, Taiwan

α-1,2 mannosidases, key enzymes in N-glycosylation, are required for the formation of mature glycoproteins in eukaryotes. Aberrant regulation of α-1,2 mannosidases can result in cancer although the underlying mechanisms are unclear. Here we report the distinct roles of α-1,2 mannosidase subtypes in the formation of hepatocellular carcinoma (HCC). Clinicopathological analyses revealed that the clinical stage, tumor size, α-fetoprotein level and invasion status were positively correlated with the expression levels of MAN1A1, MAN1B1, and MAN1A2. In contrast, the expression of MAN1C1 was decreased as early as stage I of HCC. Survival analyses showed that high MAN1A1, MAN1A2, and MAN1B1 expression levels, combined with low MAN1C1 expression levels, were significantly correlated with shorter overall survival rate. Functionally, the overexpression of MAN1A1 promoted proliferation, migration, and transformation as well as in vivo migration in zebrafish. Conversely, overexpression of MAN1C1 reduced the migration ability both in vitro and in vivo, decreased the colony formation ability, and shortened the S phase of the cell cycle. Furthermore, the expression of genes involved in cell cycle/proliferation- and migration was increased in MAN1A1-overexpressing cells but decreased in MAN1C1-overexpressing cells. Furthermore, MAN1A1 activated the expression of key regulators of the unfolded protein response while treatment with ER stress inhibitors blocked the expression of MAN1A1-activated genes. Using the MAN1A1 liver-specific overexpression zebrafish model, we observed steatosis and inflammation at earlier stages and HCC formation at a later stage accompanied by the increased expression of the UPR modulator, BiP. These data suggest that the up-regulation of MAN1A1 activates UPR and might initiates metastasis. Together our study demonstrates that MAN1A1 represents a novel oncogene while MAN1C1 plays a role in tumor suppression in hepatocarcinogenesis.

S3

3 月 25 日 (週日) 15:40-16:10
3 樓，第 30 教室

Speaker :
涂玉青
Yuh-Ching Twu

Structure of surface glycans on leukemia cells affects susceptibility to NK-mediated cytotoxicity

Yuh-Ching Twu
Department of Biotechnology and Laboratory Science in Medicine, National Yang-Ming University

The aberrant glycosylation on proteins and lipids has been implicated in malignant transformations through promoting the tumorigenesis, metastasis, and the evasion from the host immunity. The I-branching β-1,6-N-acetylglucosaminyltransferase, responsible for the straight i conversion to branched I histo-blood group antigens, has been reported for its important effects on the migration, invasion, and metastasis of solid tumors. Here, we addressed how the branched I antigens on the leukemia impacted the host immuno-surveillance mediated by natural killer (NK) cells. We found that the levels of I antigen presented on leukemia cells showed a positive correlation with the susceptibility to NK-mediated lysis. Furthermore, by the conjugation assay, elevating the expression of the I antigens on the leukemia cells that can only display low level of cell surface I antigens greatly increased the sensitivity to NK cytotoxicity. These findings suggested that branched I on the leukemia cells not only is important for NK targeting but also could serve as a potentially evaluation maker for NK-cell based leukemia treatment.

S4

3 月 25 日 (週日) 16:10-16:40
3 樓，第 30 教室

Speaker :
林俊宏
Hans Chun-Hung Lin

Sweet stories about the cell adhesion in gut bacteria

Hans Chun-Hung Lin
Institute of Biological Chemistry, Academia Sinica 128 Academia Road Section 2, Nan-Kang, Taipei, 11529, Taiwan

Human gut is a highly competitive environment harboring trillions of microbial cells. These microbes interact with epithelial cells in the gastrointestinal tract via protein–carbohydrate interactions, i.e., bacterial glycans are recognized by the receptors or proteins on the surface of host epithelium, or vice versa. We will herein demonstrate two glycan-based stories about the interplay between Helicobacter pylori and gastric epithelial cells. We previously presented evidence observing the uptake of L-fucose from gastric cancer cells to H. pylori, and that human α-L-fucosidase 2 (FUCA2) is secreted only when host cells were infected by H. pylori. FUCA2 was found to be essential for the bacterial adhesion, growth and pathogenicity. We will explain how FUCA2 serves as a key enzyme to modify the bacterial lipopolysaccharides, leading to the enhanced binding and bactericidal effect, including aggregation of H. pylori and the subsequent lysis.

Furthermore, H. pylori converts cholesterol upon uptake to various cholesteryl α-glucoside derivatives, including cholesteryl 6’-acyl and 6’-phosphatidyl α-glucosides (CAGs and CPGs, respectively). Recently we established a metabolite-labeling method for characterizing these derivatives with a femto-molar detection limit. The subsequent analysis resulted in the unprecedented information that these bacteria acquire phospholipids from the membrane of epithelial cells for CAG biosynthesis. The resulting increase in longer or/and unsaturated CAG acyl chains was found to promote lipid raft formation and enhance the bacterial adhesion. We will explain the underlying mechanism at molecular basis and discuss how the related biosynthetic enzymes are linked to the bacterial virulence.

S5

3 月 24 日 (週六) 14:30-16:30
3 樓，第 31 教室

Speaker :
郭錦樺
Ching-Hua Kuo

Development of analytical methods for metabolomics studies and therapeutic drug monitoring

Ching-Hua Kuo
School of Pharmacy, College of Medicine, National Taiwan University
The Metabolomics Core Laboratory, Center of Genomic Medicine, National Taiwan University, Taiwan

Metabolomics is the latest omic science, and it has emerged as a powerful tool to correlate phenotype with metabolic changes. Clinical metabolomics also represented as a promising strategy to discover potential markers to facilitate precision medicine. We have developed several methods including the matrix-induced ion suppression (MIIS), postcolumn-infused internal standard (PCI-IS) analytical method and the comparative fatty acid analysis method for improving data integrity and analytical speed for metabolomics studies. To provide an efficient concentration normalization method for urinary metabolomics studies, we have developed the MIIS method by using flow injection analysis coupled with electrospray ionization mass spectrometry (FIA-ESI-MS). To provide an accurate and economic quantification method for potential markers that were identified in metabolomics studies, we have developed a PCI-IS combined with matrix normalization factor (MNF) in liquid chromatography–electrospray ionization tandem mass spectrometry method (LC-ESI-MS). We also proposed a differential labeling strategy in combination with a pooled concept to achieve rapid identification of potential fatty acid biomarkers.

Therapeutic drug monitoring (TDM) can be used to ensure pharmaceutical efficacy and prevent toxicity. Dried blood spots (DBSs) have had a long history in disease screening in newborns but have gained attention in recent years in the medical care of adults because of the growing importance of precision medicine. Main analytical challenges of the DBS technique include sensitivity problem, blood volume variation and hematocrit (HCT) caused bias. We have proposed a novel strategy using a postcolumn infused-internal standard (PCI-IS) method with liquid chromatography-electrospray ionization mass spectrometry (LC-ESI-MS) for estimating and correcting blood volume variations on the DBS cards. By using PCI-IS to measure the extent of ion suppression in the first ion suppression zone in the chromatogram, the blood volume on the DBS cards can be calculated and further calibrated. We additionally used a lipidomics profiling strategy to identify HCT estimation markers using LC-ESI-MS. Three sphingomyelin (SMs), specifically SM 44:1, SM 44:2, and SM 44:3, were identified as potential HCT estimation markers. We anticipate that the proposed method can offer a new strategy for blood volume and HCT estimation which could contribute to the wider application of DBS in clinical practice.

S6

3 月 24 日 (週六) 14:30-16:30
3 樓，第 31 教室

Speaker :
郭靜穎
Ching-Ying Kuo

Altered mitochondrial metabolism regulates breast cancer tumorigenicity

Ching-Ying Kuo
Department of Clinical Laboratory Sciences and Medical Biotechnology, National Taiwan University, Taipei, Taiwan
Department of Diabetes Complications and Metabolism, Diabetes and Metabolism Research Institute, City of Hope National Medical Center, California, USA

Warburg effect was proposed more than 60 years ago and denotes that cancer cells rely on aerobic glycolysis to survive. However, the importance of mitochondria or mitochondrial metabolism has not been largely recognized until recent years. Here, we provide evidence to show how mitochondria respond to metabolic stress in cancer cells and the roles of mitochondria during tumor progression.

We found that the breast cancer (BC) stem-like cells co-opt metabolic reprogramming and hypoxia inducible factor-1α (HIF-1α)-dependent pseudohypoxia to maintain access to stem-like cellular properties. This study shows that treatment with an α-KG precursor, dimethyl-α-ketoglutarate (DKG), induces HIF-1α, resulting in the parallel metabolic changes including elevated glycolysis, oxidative phosphorylation, lipid accumulation and the induction of pluripotency/cancer stem cell surface markers to promote tumor expansion in a BC xenograft model. The mitochondrial adaptation to DKG elevates the ratio of succinate or fumarate to α-KG, which in turn stabilizes HIF-1α and reprograms breast cancer cells into a stem-like state.

We also demonstrate that nutrient deprivation induces miR-20b-mediated down-regulation of mitofusin 2 (MFN2) through phosphorylation of KRAB-associated protein-1 (KAP1) at serine 473. We then propose a checkpoint whereby KAP1 Ser473-phosphorylation promotes miR-20b-dependent MFN2 reduction to restrict mitochondrial hyperfusion upon sustained nutrient starvation, which provides a critical mechanism for intratumor cells to survive metabolic stress.

S7

3 月 24 日 (週六) 14:30-16:30
3 樓，第 31 教室

Speaker :
鄭美玲
Cheng, Mei-Ling

Metabolomics in human health

Cheng, Mei-Ling
Healthy Aging Research Center, Metabolomics Core Laboratory, Chang Gung University, Tao-Yuan, Taiwan
Department of Biomedical Sciences, College of Medicine, Chang Gung University, Tao-Yuan, Taiwan

Metabolites are important parameters of physiological and pathophysiological processes. Diseases cause disturbance in levels of metabolites that correlate well with changes in biological functions. Changes in metabolite profile can be viewed as a signature for disease. Metabolomics, an emerging field in the post-genomic era, is concerned with characterization of global metabolites in a biological system, and may provide global and unbiased information about the normal and pathophysiological states. Healthy Aging Research Center in Chang Gung University aims at understanding the metabolic disturbances associated with metabolic syndrome (prediabetes & T2DM) and cardiovascular diseases; elucidation of metabolic disturbances that accompany aging and associated disorders; development of diagnosis and prognosis biomarkers; and formulation of dietary intervention strategy. One of our on-going studies focused on profiling of plasma metabolites of a number of apparently “healthy” elders. Based on their plasma metabolomes, the plasma levels of branched amino acids, acylcarnitines (C3 &C5), and alpha-aminoadipic acid increased, while those of phospholipids decreased in plasma of elders with lipid disorder. Another study reveals sophisticated global metabolic perturbation in heart failure patients. The metabolite profile also provides better diagnostic and prognostic biomarkers for heart failure as compared with conventional biomarkers. This approach can also be applied for evaluation of the efficacy of intervention measures and of disease follow-up.

S8

3 月 24 日 (週六) 14:35-14:55
3 樓，致德堂

Speaker :
周昌弘
Chang-Hung Chou

The history of The Toxicology Society of Taiwan (TSTA) affiliate to The International Union of Toxicology (IUTOX)

Chang-Hung Chou
Academia Sinica

依 IUTOX (International Union of Toxicology) 國際毒物學聯合會的會章規定各國以 society 名稱加入，我國於 1982 年是以國家委員會加入 (Committee of Toxicology of Academia Sinica, Taipei (簡稱 CTAST)，這是當年 (1976) 錢思亮院長高瞻遠矚的決定，主要避免用 National Committee 及 Rep. of China 以免刺激中共。中共入會前我國更名為 Toxicological Society of Taiwan (簡稱 TST)。大陸雖然屢次杯葛，但我努力維護此正名。2004 年 IUTOX 在芬蘭首都開 GeneralAssembly (GA) 時大陸以他們要在三年後召開 IUTOX 大會之理由要求我國改為 located in Taipei。2004 年為維護我會籍乙案，昌弘遂在開完中研院院士會議後立即飛往芬蘭赫爾辛基大會會場，IUTOX 大會的會前會，我向大會五位重量級人士 (大會會長 , 秘書長 , 前任大會會長及秘書長以及亞洲毒物學會會長 Prof. Sato) 提出詳細說明，我據理
力爭基於下面幾點裡由 :

一 . 我把出席 1982 年 ICSU 大會對中國二個代表權之歷史背景敘述一遍，並依據 ICSU 理事會是尊重各學會會章，沒有強制每個學會必須根據 ICSU 對兩個中國命名之模式。
二 . 依 IUTOX 會章，對各國代表之名稱，會章明文規定是 Society 之名代表而加入，我舉出美國有三個 Society，日本有二個 Society 分別加入為會員，他們均各別以 Society 的名稱入會而不以國家 USA or Japan 入會，因此台灣毒物學會名稱入會與中國毒物學會入會並無衝突。
三 . 依 ICSU 之會章規定，各學會均為 non-governmental, non-political, and non-profitable 的 Academic organization，故中國入會不得提出任何政治性的問題以杯葛其他會員。
四 . 依 ICSU 之精神，ICSU 是以 Universality Principle of Science (科學普遍性原則) 來指導各學術組織。
五 . 昌弘建議 IUTOX 執委會應依上述原則處理 , IUTOX 應該有獨立自主的決定權而不受政治上的壓力 , 以改變上述精神。

昌弘一共花了約 30 分鐘時間說明我方立場，在場我方代表鄧昭芳醫師及劉榮宗教授亦完全支持我的看法及說明。最後大會主席裁示我的說明很有道理，而不接受大陸無理的要求，故中國沒得逞他們無理的要求。主席並做裁示不送大會討論。

S9

3 月 24 日 (週六) 14:55-15:15
3 樓，致德堂

Speaker :
林嬪嬪
Pinpin Lin

The Future development of Toxicology in Taiwan

Pinpin Lin
National Institute of Environmental Health Sciences, National Health Research Institutes

Advances in molecular biology, biotechnology and bioinformatics allows the molecular bases of diseases to be better understood. Toxicological evaluation of chemicals is taking advantage of these technology development. At the start of 21th century, the National Research Council in the United Sates reported Toxicity Testing in the 21st Century: A Vision and a Strategy envisioned a future in which toxicology relied primarily on high-throughput in vitro assays and computational models. Ten years later, the National Academies of Sciences, Engineering, and Medicine in the United Sates published a report: Using 21st Century Science to Improve Risk-Related Evaluations, in 2017. Many technologies are proposed to understand the adverse effects of chemicals from biological molecules, cells, organs, to population responses. These information aims to improve assessment of the effects of chemicals that could potentially affect human health and hopefully eventually be used to improve risk-based decision-making by federal agencies. Similarly, the Organisation for Economic Co-operation and Development (OECD) launched a programme on the development of Adverse Outcome Pathways (AOP) in 2012. An AOP is an analytical construct that describes a sequential chain of causally linked events at different levels of biological organisation that lead to an adverse health or ecotoxicological effect. AOPs are the central element of a toxicological knowledge framework being built to support chemical risk assessment based on mechanistic reasoning. Therefore, many scientists, including toxicologists, devote to establish their own AOP for specific adverse health effects. These new development of toxicology in the States and Europe may not be perfect, or even may not work eventually. However, it is a great opportunity for toxicology to move forward. I will encourage Taiwan toxicologists to utilize these information for their research. We may validate these approaches in our own research interests, exercise these approaches in some issues, or introduce these approaches to decision makers in government agencies in Taiwan. Some strategies are recommanded, including to keep toxicology at the cutting-edge of biomedical research, to integrate other scientific disciplines with toxicology, to collaborate with scientists in other disciplines, and to communicate with global toxicology societies.

S10

3 月 24 日 (週六) 15:15-15:50
3 樓，致德堂

Speaker :
Jun Kanno

Introduction to a concept of “Signal Toxicity” for broader research planning to promote precision medicine and healthy aging.

Jun Kanno
Japan Bioassay Research Center, Japan Organization of Occupational Health and Safety

Recent advances in molecular toxicology allow combination of in vitro and in vivo studies at molecular levels. The target molecules and receptors can be identified in quantitative fashion and at the fine structure levels around and below the resolution of normal light microscopy. Such expansion of the knowledge leads us to consider a rather new concept in toxicology, i.e. “receptor mediated toxicity” or “Signal Toxicity” which is a result of “Signal Disturbance” by xenobiotics. Signal disturbance would merely induce transient effects on adults. However, there are growing evidences that such slight insults on the developing and maturating organisms can leave irreversible effects that become overt in adulthood. In this context, toxicology has entered a new phase where perinatal toxicology becomes a renovating study field of the irreversible “early exposure-delayed effects” which, mechanistically, seems to cover most of the important issues posed by the “low dose” exposure of chemicals including environmental pollutants. The concept of “Signal Toxicity” should naturally target any signaling system used by the developing and maturing animals including humans.

We are running a project to describe and understand the molecular levels of organism-xenobiotic interaction at the “signal dose range”, i.e. without overt morphological changes but with clear molecular responses. In general, toxicology must be prepared for any unexpected or unpredictable responses. Therefore, we adopted a whole-genome cDNA microarray system to comprehensively monitor the transcriptome, and launched the Percellome Toxicogenomics Project1-4. In the project, researches for the assessment of delayed toxicity on fetus and infants has been performed. For example, a perinatal exposure study resulted in the emergence of delayed effects on neurobehavioral endpoints5, 6.

The concept of Signal toxicity should be applicable to the promotion of precision medicine and for better quality of life for those who have to live long in the modern world filled with numerous kinds of chemicals. Recent results will be briefly presented for discussion.

Keywords: signal toxicity, low dose exposure, early exposure – delayed effect, Percellome Project

S11

3 月 24 日 (週六) 15:50-16:25
3 樓，致德堂

Speaker :
Songsak Srianujata

Toxicology: The Essential Science in Risk Assessment

Songsak Srianujata
Institute of Nutrition, Mahidol University (INMU)
Thai Society of Toxicology (TST)
Asian Society of Toxicology (ASIATOX)

In the modern day, risk analysis is applied to almost all activities, including chemical and food safety. The international and National organization such as Codex, OECD, the risk analysis is the main policy and it has been the obligation of every codex committee in Codex to use risk analysis as the guiding principle of its work. The risk analysis principle composes of three components, comprising of risk assessment, risk management, and risk communication. The purely scientific component is risk assessment. Toxicology is very essential science for the risk assessment component. Risk assessment component composes of four main steps, all steps need different scientific knowledge and techniques. The four steps are hazard identification, hazard characterization, exposure assessment, and risk characterization. Especially, the steps on hazard identification and hazard characterization need knowledge and technique of Toxicology. Both steps need toxicological testing, mainly in animals. However, at present toxicologist and allied scientists are trying to find some in vitro toxicity testing method to avoid using animal, as the animal welfare and ethic become more and more restricted. Anyhow, there is still no appropriate technique found to be able to totally replace animal toxicity testing.

The exposure assessment step needs some toxicological knowledge and other related science as food consumption survey in case of food safety, environmental residue as in hazardous chemical exposure study model in case of inhalation and skin penetration as in household and environmental hazard. The last step, risk characterization need the outcome of the toxicology testing, exposure assessment and risk calculation techniques to assess the risk level of the chemical concern. The detail discussion will be presented on the essential of toxicology on the risk assessment steps. Some techniques on the exposure assessment, such as risk assessment of food, GM food and hazardous chemical will also be mentioned. The establishment of Thailand Risk Assessment and Surveillance Center (TRAC) for food safety will be briefly presented.

S12

3 月 24 日 (週六) 15:30-17:30
1 樓，第 2 教室

Speaker :
廣岡 良隆
Yoshitaka Hirooka

Inflammation and immunity in hypertension and heart failure: Role of brain AT1 receptors

Yoshitaka Hirooka
International University of Health and Welfare School of Health Sciences

Interaction and inflammatory process and immunity are widely explored in the field of cardiovascular research. Activation of the sympathetic nervous system plays an important role in the process of hypertension and heart failure. Recent studies demonstrated that brain inflammatory process is crucial for the sympathetic activation in hypertension and heart failure. Because immunological changes could influence inflammatory process, we investigated these interactions. We found that activation of the angiotensin type 1 receptors (AT1Rs) in the brain is responsible for them. Generation of reactive oxygen species is caused by activation of NADPH oxidase via AT1Rs in the brain. We also found that toll-like receptor 4 (TLR4) and its adaptor protein, myeloid differentiation primary response protein 88 (MyD88), expression levels are increased in hypertension and heart failure. Central administration of an AT1R blocker attenuated these expression levels and enhanced sympathetic drive. In addition, we suggest that microglia play a role in the development of hypertension. Furthermore, we demonstrated that a decrease in regulatory T cells proportion is involved in the development of hypertension and cardiac hypertrophy in hypertensive rats, which is involved in sympathetic neural input to the spleen. I would like to show these series of studies and the current topic in this field.

S13

3 月 24 日 (週六) 15:30-17:30
1 樓，第 2 教室

Speaker :
陳適安
Shih-Ann Chen

Atrial Fibrillation : Bench to the Operating Theater

Shih-Ann Chen
Director, Department of Medicine, Taipei Veterans General Hospital, Taipei
Professor of Medicine, National Yang-Ming University, School of Medicine

Atrial fibrillation (AF) is one of the most common and complex cardiac arrhythmias. The major mechanisms of AF include multiple wave reentry, driver with fibrillary conduction and focal triggering. The discovery of pathophysiologic basis of AF mechanisms depends on the development of multielectrode recording in the animal model , patch clamp ionic channel study, optical mapping, linear and nonlinear analysis of electrical signals, phase mapping of rotational activities, and molecular biological study of atrial tissues and genetic screening. The interesting issues are those mechanisms can be explored in the human AF, and the interventional procedure can eliminate AF. Further research will focus on the Ai big data analysis with the aim of precision medicine principle on those AF patients.

S14

3 月 24 日 (週六) 15:30-17:30
1 樓，第 2 教室

Speaker :
湯志永
Chih-Yung Tang

Regulation of Ion Channel Biosynthesis in Cardiac and Skeletal Muscles

Chih-Yung Tang
Director and Professor, Department of Physiology, College of Medicine, National Taiwan University

Ion channels play a critical role in setting membrane excitability of neurons and muscles, and mutations in genes encoding neuromuscular ion channels have been associated with various devastating ailments, collectively known as channelopathy. For instance, dysfunction of human ether-à-go-go-related gene (hErg) K^+ channels in cardiac muscles results in a serious heart arrhythmia, the long QT syndrome; whereas mutations in the gene encoding human CLC-1 Cl^- channels in skeletal muscles lead to a muscle tensing disorder, myotonia congenita. Despite the identification of numerous disease-causing mutations, the molecular pathophysiological impacts of the mutations on hErg and CLC-1 channel proteins per se remain poorly understood. Emerging evidence from investigations into the pathomechanisms of many debilitating diseases supports the notion that these mutations may be associated with anomalous protein biosynthesis. The main focus of our research team is on elucidating the detailed molecular protein biosynthesis mechanisms of neuromuscular ion channels. In particular, we are interested in understanding the key molecular events governing channel protein homeostasis (proteostasis) in both the endoplasmic reticulum and the plasma membrane. For example, we studied the proteostatic role of 14-3-3 proteins in hErg biosynthesis, as well as the molecular chaperones and co-chaperones facilitating CLC-1 biosynthesis in the endoplasmic reticulum. By addressing these basic but essential physiological issues, we aim for future development of novel, specific therapeutic strategies for these ion channel diseases in cardiac and skeletal muscles.

S15

3 月 24 日 (週六) 14:30-15:00
3 樓，第 32 教室

Speaker :
鄭瓊娟
Chung-Jiuan Jeng

Regulation of ether-à-go-go potassium channel expression by RING E3 ubiquitin ligases

Chung-Jiuan Jeng
Institute of Anatomy and Cell Biology, School of Medicine, National Yang-Ming University

Mammalian ether-à-go-go (Eag; Kv10) protein is neuron-specific, voltage-gated K+ channel. Mutations in the gene encoding human Eag1 (Kv10.1) K+ channel have been associated with the congenital neurodevelopmental diseases Temple–Baraitser syndrome and Zimmermann–Laband syndrome. Some of the disease-associated Eag1 mutants may manifest enhanced protein degradation. Little is known about the molecules mediating protein synthesis and degradation of Eag1 channels. By performing yeast two-hybrid screening of a rat brain cDNA library, we identified specific RING E3 ubiquitin ligases as rat Eag1 (rEag1) binding partners. The E3 ubiquitin ligases and rEag1 co-exist in the same protein complex in the brain, as well as substantially co-localizing at synaptic regions in neurons. The E3 ubiquitin ligases promote protein degradation of both endoplasmic reticulum (ER)- and plasma membrane-localized rEag1 to the proteasome and the lysosome, respectively. Interestingly, the E3 ubiquitin ligases also contribute to reduced protein expression of a disease-associated rEag1 mutant. Moreover, over-expression of the E3 ubiquitin ligase significantly reduces the protein level of rat Eag2 (Kv10.2) channel. Overall, these observations may shed new light on ER and peripheral protein quality control mechanisms of Eag K+ channels.

S16

3 月 24 日 (週六) 15:00-15:30
3 樓，第 32 教室

Speaker :
楊世斌
Shi-Bing Yang

Functional Dissection of the Central Glucoregulatory circuits

Shi-Bing Yang
Institute of Biomedical Sciences, Academia Sinica

Hypothalamus is the major commander to control somatic activities and innate behaviors such as hunger, thirst and body temperature. For example, the hypothalamus receives peripheral information such as nutrients (glucose, fatty acids and amino acids) and hormones (leptin, ghrelin and insulin) and modulates the energy metabolism of a variety of peripheral tissues such as the liver and skeletal muscle via the autonomic nervous system, by controlling insulin sensitivity as well as the hepatic gluconeogenesis. Earlier studies have found that acute infusion of glibenclamide, a KATP channel blocker, into the 3rd ventricle abolishes hormonally and nutritionally induced suppression of hepatic gluconeogenesis. In addition to that, our data indicated that central infusion of glibenclamide paradoxically impaired glucose tolerance in aged mice. Our genetic labeling have further revealed that the neurons in the dorsomedial hypothalamus (DMH), ventromedial hypothalamus (VMH) and arcuate nucleus are involved in the central regulation of peripheral glucose homeostasis. Lastly, our results also showed the pharmacoactivation of neurons in the DMH induced the glucose intolerance in mice fed with high-fat diet. Our study has demonstrated that central nervous system may become a promising therapeutic for treating metabolic disorders.

S17

3 月 24 日 (週六) 15:30-16:00
3 樓，第 32 教室

Speaker :
劉炯輝
Chiung-Hui Liu

Function of chondroitin sulfate synthase in hepatocellular carcinoma

Chiung-Hui Liu
Chung Shan Medical University

The high mortality of hepatocellular carcinoma (HCC) mainly attributes to late diagnosis and limited treatment for advanced HCC. Currently, sorafenib is the first and the only approved treatment for advanced HCC, but the outcome of the treatment is still disappointing. It is an urgent need to development new therapeutic strategies for HCC. Chondroitin sulfate (CS) is one type of glycosaminoglycans (GAGs). Accumulating evidence indicated that CS chains participate in cancer progression by interacted with proteases, growth factors, and adhesion molecules. In addition, CS chains are reported increased in human HCC, and the altered sulfation status were associated with poorly histological grade. One recent study reported that a distinct modification of CS chains is highly expressed on HCC, which can be used as a marker for cancer diagnosis or target therapy.

Here, we report that chondroitin sulfate synthase 1 (CHSY1), the enzyme that mediates the polymerization step of chondroitin sulfate, is a critical mediator of malignant character in HCC that acts via modulating the activity of the hedgehog signaling. CHSY1 was up-regulated frequently in HCC where these events were associated with worse histologic grade and poor survival. Enforced expression of CHSY1 was sufficient to enhance cell growth, migration, invasion, and epithelial-mesenchymal transition, whereas silencing of CHSY1 suppressed these malignant phenotypes. Mechanistic investigations revealed that the increase of cell surface chondroitin sulfate by CHSY1 promoted sonic hedgehog binding and signaling. Inhibiting hedgehog pathway with vismodegib decreased CHSY1-induced migration and invasion in HCC cells, establishing the critical role of hedgehog signaling in mediating the effects of CHSY1 expression. Together, our results indicate that CHSY1 overexpression in HCC contributes to the malignant behaviors in cancer cells, we provide novel insights into the significance of chondroitin sulfate in hedgehog signaling and HCC pathogenesis.

S18

3 月 24 日 (週六) 16:00-16:30
3 樓，第 32 教室

Speaker :
王家義
Chia-Yih Wang

Lysosomal activity maintains Ad4BP/SF-1 stability for proper steroidogenic cell growth.

Chia-Yih Wang
Department of Cell Biology and Anatomy, College of Medicine, National Cheng Kung University

The development and differentiation of steroidogenic organs are controlled by Ad4BP/SF-1 (adrenal 4 binding protein/steroidogenic factor 1). Besides, lysosomal activity is required for steroidogenesis and also enables adrenocortical cell to survive during stress. However, the role of lysosomal activity on steroidogenic cell growth is as yet unknown. Here, we showed that lysosomal activity maintained Ad4BP/SF-1 protein stability for proper steroidogenic cell growth. Treatment of cells with lysosomal inhibitors reduced steroidogenic cell growth in vitro. Suppression of autophagy did not affect cell growth indicating that autophagy was dispensable for steroidogenic cell growth. When lysosomal activity was inhibited, the protein stability of Ad4BP/SF-1 was reduced leading to reduced S phase entry. Interestingly, treatment of cells with lysosomal inhibitors reduced glycolytic gene expression and supplying the cells with pyruvate alleviated the growth defect. ChIP-sequence/ChIP studies indicated that Ad4BP/SF-1 binds to the upstream region of Ccne1 (cyclin E1) gene during G1/S phase. In addition, treatment of zebrafish embryo with lysosomal inhibitor reduced the levels of the interrenal (adrenal) gland markers. Thus lysosomal activity maintains steroidogenic cell growth via stabilizing Ad4BP/SF-1 protein.

S19

3 月 24 日 (週六) 14:30-15:00
3 樓，第 33 教室

Speaker :
林琬琬
Wan-Wan Lin

Purinergic P2X7 in inflammation: regulation of mitochondrial dynamics and lysosomal biogenesis

Wan-Wan Lin
Department of Pharmacology, College of Medicine, National Taiwan University, Taipei, Taiwan

Extracellular ATP is a damage-associated molecular pattern and contributes to the inflammation associated diseases via activation of P2X7 receptor. Accumulating findings reveal that mitophagy as a means to cope with energy and nutritional stress. Since P2X7 can regulate the pathophysiology of neuronal disorders through microglia, we interested to explore the role of P2X7 in mitochondrial function in microglia. In BV-2 microglial cells, we observed the dramatic inhibition of mitochondrial oxygen consumption rate and mitochondrial mass following P2X7 activation. Confocal microscopic images indicated the induction of mitochondrial fission and mitophagy after P2X7 activation. The latter was evidenced by the appearance of LC3II accumulation, Tom20 and Lysotracker Red co-staining and PINK cleavage. Pre-treatment of microglial cells with P2X7 antagonist (A438079) can abrogate these effects of ATP, and AMPK silencing can also reverse the P2X7 action in reduction of mitochondrial mass and induction of mitophagy, but failed to change the P2X7-mediated mitochondrial uncoupled respiration. Interestingly, P2X7 activation can induce nuclear translocation of TFEB via an AMPK dependent pathway and lead to lysosomal biogenesis. Moreover, P2X7 activation triggered the AMPK activation is via the ROS and CaMKKII pathways. Sustained acidification, which is a novel danger signal in the inflammatory sites, can also induce mitochondrial toxicity and deteriorate the mitochondrial function under P2X7 activation. Altogether, P2X7-induced mitophagy and mitochondrial dysfunction in microglial cells may play an important role in neuroinflammation associated disease progression.

S20

3 月 24 日 (週六) 15:00-15:30
3 樓，第 33 教室

Speaker :
阮雪芬
Hsueh-Fen Juan

Blocking dynamic trafficking of mitochondrial key energy protein for cancer therapy

Hsueh-Fen Juan
Department of Life Science, National Taiwan University

Mitochondrial key energy protein, ATP synthase, is a ubiquitous multimeric protein complex that catalyzes the synthesis of ATP, the common “energy currency” of living cells. In general, ATP synthase is localized to the mitochondrial inner membrane. Recent studies showed that ATP synthase was also found on the extracellular surface of endothelial cells in cancer tissues, lymphocytes, hepatocytes, breast and lung cancer cells. Interesting, our recent work reveal ATP synthase is located on the membrane of extracellular vesicles (EVs) released by cancer cells. EVs transfer many types of biomolecules including DNA, RNA, proteins and lipids to their recipient cells and are recently recognized as a general mode of cell-cell communication. Here we propose a hypothesis, in cancer cells, mitochondrial ATP synthase transports to cell surface and makes EV release for cell-cell communications. The results from proteomics and cell experiments including flow cytometry and immunocytochemistry indicate that mitochondrial fission and KIF5B-Drp1 complex-mediated mitochondrial trafficking via microtubule play crucial roles in ATP synthase transport. Furthermore, using homology modeling and docking simulation, we successfully discover ATP synthase inhibitor, citreoviridin, which reduces not only mitochondrial ATP synthase to cell surface but also to EVs. Additionally, citreoviridin induces cell cycle arrest and inhibits cell proliferation in both cell and animal models as well as overcomes gefitinib-resistance in lung cancer cells. The findings suggest that blocking dynamic trafficking of ATP synthase is a potential therapeutic strategy for cancer.

S21

3 月 24 日 (週六) 15:30-16:00
3 樓，第 33 教室

Speaker :
李岳倫
Alan Yueh-Luen Lee

The survival response to mitochondrial oxidative stress endues tumorigeneity in tumor microenvironment

Ya-Ju Sung, Han-Yu Chou, An Ning Cheng, Li-Chun Cheng, Yu-Kang Lo, and Alan Yueh-Luen Lee
National Institute of Cancer Research, National Health Research Institutes

Mitochondria play a crucial role in the regulation of cellular energy, metabolism, and cell death. Mitochondrial Lon is a matrix protease that assists protein folding, degrades oxidized proteins, and participates in mitochondrial DNA (mtDNA) stability. Lon operates in protein quality control and stress response in the organelle, which is upregulated under hypoxic and oxidative stress. Lon overexpression promotes cell proliferation, apoptotic resistance to stresses, and transformation. However, little literature undertakes comprehensive investigations on the tumorigenic role of Lon through its chaperone activity. We found that Lon utilizes the chaperone activity to regulate apoptosis through interacting with the Hsp60-mtHsp70-p53 complex under environmental stress. Lon overexpression inhibits apoptosis and increases survival through interacting with and sequestering p53 in mitochondria via its chaperone activity. Furthermore, Lon overexpression induces the production of mitochondrial reactive oxygen species (ROS) by which promotes cell proliferation, cell migration, angiogenesis, and epithelial-mesenchymal transition (EMT). Using microarray analysis, we found that Lon induces NF-κB and interferon (IFN) signal pathways in a ROS-dependent manner. We found that Lon promotes EMT via NF-κB-p38 and TGF-β signaling under oxidative stress. In addition, Lon induces IFN pathway, such as ISG15 and IRF3/7 and promotes extra-mtDNA release into cytosol in oral cancer cells. Thus, mitochondrial Lon activates IRF3/7-IFN expression via the mtDNA-mediated STING-TBK pathway. Interestingly, Lon-ROS axis induces the expression of IDO and PDL1 through STING-TBK activation. Taken together, the results suggest that inflammation induced by Lon-ROS axis promotes the metastasis of oral cancer cells. Lon-induced inflammatory cytokines may have an immunosuppression effect on cancer progression in tumor microenvironment. In this study, we will provide a valuable strategy of cancer control and therapy by targeting the ROS-dependent inflammatory function of mitochondrial Lon.

S22

3 月 24 日 (週六) 16:00-16:30
3 樓，第 33 教室

Speaker :
李新城
Hsin-Chen Lee

Mitochondria-to-nucleus communications in cancer progression

Hsin-Chen Lee
Department and Institute of Pharmacology, School of Medicine, National Yang-Ming University

Deregulated cellular energetics is one of cancer hallmarks. Most cancer cells exhibit aberrant metabolism characterized by high glycolysis but a decrease in mitochondrial oxidative phosphorylation (OXPHOS) even in the presence of oxygen, known as the Warburg effect. In past decades, somatic mutations of mitochondrial DNA (mtDNA) and a decrease of mtDNA copy number were demonstrated as two of the common events in various types of human cancers. These mtDNA alterations in tumors were well correlated with poor prognosis of cancer patients. Moreover, most of these mtDNA mutations may result in mitochondrial dysfunction. The mtDNA mutations and mitochondrial dysfunction might provide a mechanism by which cancer cells exhibit the Warburg effect. Recent evidence indicated that pathogenic mtDNA mutations, reduced mtDNA copies, and mitochondrial dysfunction enhance migratory and invasive abilities, or develop drug resistance of cancers. Thereby, the mitochondrion-to-nucleus communication, also known as the retrograde signaling, was suggested to contribute to cancer development and malignant progression. Recently, we found that mildly elevated ROS triggers the GCN2-eIF2α-ATF4 pathway and the ATF4-dependent xCT (SLC7A11) expression is responsible for increased cystine uptake and glutathione biosynthesis, by which mitochondrial dysfunction induces cisplatin resistance of cancer cells. On the other hand, high levels of ROS induced by cystine starvation and mitochondrial dysfunction can up-regulate CHAC1 expression via the GCN2-eIF2α-ATF4 pathway. CHAC1 degrades glutathione to enhance cystine-starvation-induced necroptosis and ferroptosis. Our findings suggest that the activation of GCN2-eIF2α-ATF4 pathway is a common mitochondria-to-nucleus communication by which deregulated mitochondria regulate cell fate and promote malignant progression of human cancer cells. These findings will benefit to develop strategies for cancer therapy.

S23

3 月 24 日 (週六) 14:30-15:00
1 樓，可勝廳

Speaker :
譚澤華
Tse-Hua Tan

Protein kinases and phosphatases in T cell signaling, inflammation and autoimmunity

Tse-Hua Tan
Immunology Research Center, National Health Research Institutes

Mitogen-activated protein kinases (MAPKs) are regulated by various MAPK phosphatases (MKPs), which also named dual-specificity phosphatases (DUSPs). We demonstrated that DUSP22 (also named JKAP) is a negative regulator of T cell signaling by inhibiting Lck tyrosine kinase. JKAP protein levels in human peripheral blood T cells isolated from human autoimmune systemic lupus erythematosus (SLE) patients are inversely correlated with SLE disease activity index (SLEDAI). Furthermore, JKAP downregulation in T cells is highly correlated with daily urinary protein amounts and with poor renal outcome in lupus nephritis patients. Thus, JKAP downregulation in T cells is a novel diagnostic/prognostic biomarker for SLE nephritis.

MAP kinase kinase kinase kinases (MAP4Ks) are a subfamily of mammalian Ste20-like serine/threonine kinases that activate the JNK kinase cascade. We have cloned and characterized three MAP4Ks, namely HPK1 (MAP4K1), GLK (MAP4K3) and HGK (MAP4K4). Epigenetic down-regulation of HGK (MAP4K4) in T cell plays an important role in the pathogenesis of Asia-prevalent non-obese T2D. Furthermore, HPK1 (MAP4K1) is a negative regulator of T-cell signaling, while GLK (MAP4K3) activates PKC-θ during TCR signaling.

Autoimmune SLE and rheumatoid arthritis (RA) patients show significantly increased GLK levels and PKC-θ activation in inflammatory Th17 cells; the percentage of GLK-overexpressing T cells is correlated with autoimmune disease severity. We generated and characterized T-cell specific GLK transgenic mice and found that these transgenic mice spontaneously developed autoimmune diseases with an induction of systemic inflammation and an increase of autoantibodies. We found that GLK signaling specifically induced IL-17A transcription in the T cells of GLK transgenic mice. GLK-mediated IL-17A induction has been studied using biochemical approaches, genetically modified mice, and autoimmune patient T cells. A novel signal transduction mechanism of IL-17A transcriptional activation by GLK in autoimmune T cells and activated T cells will be discussed. GLK is also a prognostic biomarker for the recurrence of lung and liver cancers. Thus, MAP4K3/GLK is a diagnostic biomarker and therapeutic target for IL-17A-mediated autoimmune diseases and cancer.

S24

3 月 24 日 (週六) 15:00-15:30
1 樓，可勝廳

Speaker :
林國儀
Kuo-I Lin

O-GlcNAcylation in B cell immunity

Kuo-I Lin
Genomics Research Center, Academia Sinica

The generation of antigen-specific antibodies and memory B cells is one of the most important immune protections of the host and is the basis for successful vaccination strategies. Whether and how glycans may affect the function of B cells remain largely unknown. Intracellular glycosylation on nuclear and cytoplasmic proteins, *O*-GlcNAcylation, is catalyzed by *O*-GlcNAc transferase (OGT) and is removed by *O*-GlcNAcase (OGA). We showed that protein *O*-GlcNAcylation accumulates after cross-linking of BCR by anti-IgM in B cells and that inhibition of OGA by a specific inhibitor, thiamet G, promotes anti-IgM-mediated activation of B cells. Comparative phosphoproteomics analysis reveled several *O*-GlcNAc-dependent phosphoproteins in B cell activation. We further created mouse lines in which *Ogt* is deleted in a B cell-specific manner in early B cell development or in the antigen-experienced B cells. *Ogt* ablation in mice alters B cell homeostasis and impairs B cell proliferation upon activation. Mice lacking *Ogt* in B cells also showed severe defects in the generation of germinal center and the production of antigen-specific antibody following immunization. These results demonstrate that B cells rely on a monosaccharide to maintain homeostasis, induce BCR signaling and evoke antibody responses. The molecular mode of action underlying the effects of *O*-GlcNAc modification on B cells will be discussed.

S25

3 月 24 日 (週六) 14:30-15:00
2 樓，第 20 教室

Speaker :
Yong Song Gho

Extracellular Vesicles: An Overview

Yong Song Gho
Department of Life Sciences, POSTECH, Pohang, Korea

Communication between cells and environment is an essential process in living organisms. The secretion of extracellular vesicles is a universal cellular process occurring from simple organisms to complex multicellular organisms, including humans. Throughout evolution, both prokaryotic and eukaryotic cells have adapted to manipulate extracellular vesicles for intercellular communication via outer membrane vesicles in the case of Gram-negative bacteria and ectosomes (also known as microvesicles) or exosomes in eukaryotic cells. Recent progress in this area has revealed that extracellular vesicles play multiple roles in intercellular and interspecies communication, suggesting that extracellular vesicles are NanoCosmos, i.e., extracellular organelles that play diverse roles in intercellular communication (http://evpedia.info). This presentation focuses on the comprehensive aspects of mammalian and bacterial extracellular vesicles including components, biogenesis, and diverse functions that should facilitate further applications, especially to develop diagnostic tools, and therapeutics including our recent progress in novel exosome-mimetic technology for targeted delivery of chemotherapeutics and siRNA as well as for adjuvant-free, non-toxic vaccine delivery system against bacterial infection. Based on the the concept of emergent properties of exosomes, future research directions to decode the complexity of intercellular communication network and the secret of life will be briefly introduced.

S26

3 月 24 日 (週六) 15:00-15:30
2 樓，第 20 教室

Speaker :
賴品光
Charles Pin-Kuang Lai

From Seeing to Believing: Visualization and Tracking of Extracellular Vesicles

Charles Pin-Kuang Lai
Institute of Atomic and Molecular Sciences, Academia Sinica

Extracellular vesicles (EVs), including exosomes and microvesicles, are nanosized membrane-bound vesicles released in abundance by cancer cells. These EVs are capable of delivering a select subset of proteins and RNAs designed to promote tumor growth and metastases. However, the exact time, location (i.e. spatiotemporal properties) and cargo delivery capacity of EVs remained unknown due to a lack of available methods to detect them. Here we engineered bioluminescent and fluorescent reporter systems which allow EV visualization in real-time both in vitro and in vivo. The multimodal bioluminescent reporter labels EVs with a membrane-bound variant of Gaussia luciferase fused to a biotin acceptor peptide, thereby enabling whole-animal multimodal imaging of nanoscale EVs, as well as pharmacokinetics analysis of EVs. We next developed the bifunctional fluorescent EV/EV-RNA reporters to study multiple EV populations with subcellular image resolution. By multiplexing the fluorescent and bioluminescent EV reporters, we further elucidated the rapid dynamics of tumor EV uptake and translation of EV-delivered cargo mRNAs in cancer cells. These novel molecular imaging platforms revealed that EV mediates a dynamic and multidirectional communication between cells with delivery of functional mRNA, thereby manipulating its recipient cells at neighboring and distal sites.

S27

3 月 24 日 (週六) 15:45-16:15
2 樓，第 20 教室

Speaker :
李光申
Oscar k. Lee

Theranostic potentials of exosomes in liver diseases

Oscar K. Lee
Institute of Clinical Medicine, National Yang-Ming University

Exosomes are small extracellular vesicles sized between 30 and 200nm. They are released by various types of cells and are responsible for intercellular communication. Exosomes influence the biological function of recipient cells through a variety of molecules contained in them including mRNA, miRNA, proteins and lipids. Exosomes have been reported to mediate multiple functions, such as cell migration, antiviral infection, immune escape, antigen presentation, and, in particular, hepatocyte regeneration. Liver cells not only are exosome-releasing cells but also are targets of exosomes released from other cells and tissues. Evidence in the literature indicates that exosomes have strong potential to serve as a diagnostic biomarker as well as a therapeutic modality. Circulating exosomal miRNAs have been identified in liver diseases, such as decrease of exosomal miR-122 and increase of miR-21 expression level in hepatocellular carcinoma (HCC). miR-18a also has been detected in viral infected disease such as Hepatitis B. The candidate miRNA in liver diseases providing diagnostic testing shows good sensitivity and specificity. Studies also showed urinary-derived exosomesCD10-, CD26-, CD81- protein level are dramatically reduce in acute liver injury animal model. Recently the exosome-based therapeutic approaches for liver diseases have attracted attention; such applications include (i)engineering exosomes containing specifically molecule for delivering the target cells; (ii) tracking the efficacy of treatment by using exosomes as a marker. Exosome derived from human adult liver stem cell inhibited the growth of primary HCC cells, and because HCC derived exosomes contain heat shock proteins(HSPs) that can improve tumor immunogenicity, the HSP-depleting exosome for immunotherapy was proposed. Exosome derived from human mesenchymal stem cells showed effects on the treatment of liver fibrosis. Despite the progress for studying liver disease to date, diagnosis still remains difficult. Exosome-based biomarkers may play an important role in the diagnosis of liver diseases. More importantly, exosome-based cell-free therapy may facilitate the regeneration of liver cells. Further efforts in the translational application of exosomes as theranostics in liver diseases are needed.

S28

3 月 24 日 (週六) 16:15-16:45
2 樓，第 20 教室

Speaker :
劉仁賢
Ren-Shyan Liu

Exosomes in degenerative neural diseases theranostics

Ren-Shyan Liu
Biomedical Imaging and Radiological Sciences, National Yang-Ming University

Alzheimer´s disease (AD) is the most common cause of dementia, Aβ plaques and neurofibrillary tangles are major pathological markers. Accumulation of extracellular β-amyloid (Aβ) plaques within the brain is unique to AD and thought to induce synaptic deficits, neuronal alterations and neurodegeneration. During the long process of Aβ aggregation, more than one physiological pathway, such as epigenetic regulation, crosses talk with each other to induce AD pathology. Studies have shown that histone deacetylase 2 (HDAC2) is negatively associated with synaptic plasticity and memory formation and upregulated in aged mouse brain of AD, as well as in human postmortem AD brain. Although targeting HDAC can improve cognitive function, the specificity and efficient delivery system would be needed.

Mesenchymal stem cell (MSC) derived exosome, a small sized membrane vehicle with endogenous HDAC2 specific miRNAs, Aβ-degrading proteases and MSC-like ability, is suitable to be used for AD therapy. We have applied the use of MSC derived exosome on a 3D neural cell AD-mimmic culture, which was capable of fully recapitulating AD pathology as platform for evaluation of therapeutic strategies. Preliminarily, the treatment of exosomes was able to decrease the level of Aβ and HDAC2 obviously and further restore synaptic plasticity-related genes, synaptophysin in 3D human neural cell culture model.

MSC derived exosomes has been demonstrated to be an effective treatment for AD. Further evaluation of this MSC derived exosome therapy on animal model of AD and the investigation of underlying mechanisms are underway.

S29

3 月 25 日 (週日) 14:30-15:00
1 樓，第 2 教室

Speaker :
彭怡禎
I-Chen Peng

Epigenetic Regulation of Cancer Metabolism by Myc and AMPK signaling

I-Chen Peng
Assistant Professor, Department of Life Sciences, National Cheng Kung University, Taiwan

Myc is a well-known oncogenic protein in controlling cell growth and metabolism. We have discovered that in a number of human and murine cells and cancers, Myc induces elevated expression of glutamine synthetase (GS), which catalyzes the de novo synthesis of glutamine from glutamate and ammonia. This is through upregulation of a Myc transcriptional target thymine DNA glycosylase (TDG), which promotes active demethylation of the GS promoter and its increased expression. Elevated expression of GS promotes cell survival under glutamine limitation, while silencing of GS decreases cell proliferation and xenograft tumor growth. Stable isotope based metabolite tracing shows that GS overexpression increases glutamine synthesis to enhance nucleotide synthesis and amino acid transport. These results demonstrate an unexpected role of Myc in inducing glutamine synthesis, and suggest a molecular connection between DNA demethylation and glutamine metabolism in Myc-driven cancers. The metabolic sensor AMP-activated protein kinase (AMPK) is known to augment lipid and glucose metabolism upon fasting, exercise and calorie restriction. Since alteration of lipid metabolism has been increasingly recognized as a hallmark of obesity and obesity-related diseases, i.e. cancer, we also investigate the Myc and AMPK signaling in the transcriptional and epigenetic regulation of lipogenesis and glutamine metabolism in cancer cells. We have found that activation of Myc and AMPK mediate acetyl-CoA carboxylase 1 (ACC1), fatty acid synthase (FAS), sterol regulatory element-binding protein 1 (SREBP1), TDG and GS expression in cancer cells. The molecular mechanisms of alternated lipogenesis, glutamine metabolism and cancer cell growth are explored through epigenetic modulation.

S30

3 月 25 日 (週日) 15:00-15:30
1 樓，第 2 教室

Speaker :
林貝容
Bei-Jung Lin

Cracking the neuronal activation mechanism upon memory formation

Bei-Jung Lin
Assistant Professor, Institute of Neuroscience, National Yang-Ming University, Taipei, Taiwan

Memory plays important roles in our daily life. Despite a century of research, how memory is formed, stored, maintained and retrieved remains one of the biggest mystery in science. The old “engram” theory hypothesizes that memory forms as new traces of activity developed in the brain. Indeed, when mice visit a new environment, hippocampal place cells rapidly change their activity to represent newly remembered locations. Artificially re-activated neurons that were active during memory formation can trigger memory recall, suggesting that new activity in hippocampal neurons indeed plays a role in memory. Although modifications in hippocampal activity is crucial for memory formation, we know little about how such modification takes place in vivo. Activity of neurons can be modified when their synaptic inputs are strengthened or weakened, a process called synaptic plasticity. However, changes in neurons’ excitability can also modify neuronal activity. In my talk, I will discuss evidences about changes of intrinsic excitability in modulating place field formation. Furthermore, I will also describe our recent efforts using in vivo imaging and electrophysiological recordings to elucidate changes in neuronal circuits that take place during memory formation.

S31

3 月 25 日 (週日) 15:30-16:00
1 樓，第 2 教室

Speaker :
宋文瑋
Wen-Wei Sung

Immune Checkpoint Inhibitors in Urogenital Cancers

Wen-Wei Sung
Department of Physiology, School of Medicine, Chung Shan Medical University; Department of Urology, Chung Shan Medical University Hospital

Immune checkpoints are molecules on certain immune cells that are activated or inactivated during the immune response. These molecules play key roles in the immune system during attacks on foreign or abnormal cells, including tumor cells. Today, several immune checkpoint inhibitors are approved for use in clinical practice for treatment of several cancers at certain stages. These include monoclonal antibodies that target PD-1 (Pembrolizumab, and Nivolumab), PD-L1 (Atezolizumab, Avelumab, and Durvalumab), and CTLA-4 (Ipilimumab). The favorable clinical outcomes of immune checkpoint inhibition therapy in patients with advanced urogenital cancer indicate the arrival of a new era. The applications of immune checkpoint inhibitors are currently listed in clinical practice guidelines in oncology, especially for patients with advanced stage cancers. Several clinical trials are also addressing the benefits of immune checkpoint inhibitors in patients with early stage disease, with exciting preliminary data. However, no consensus has yet been reached regarding the best prognostic biomarkers for patients treated with immune checkpoint inhibitors. This remains an important issue and is worth further investigation.

S32

3 月 25 日 (週日) 16:00-16:30
1 樓，第 2 教室

Speaker :
黃菁英
Ching-Ying Huang

Distinct protective mechanisms by enterocyte-derived glycolytic metabolites in the gut under hypoxic stress

Ching-Ying Huang
Department of Food Science and Biotechnology, National Chung Hsing University, Taichung, Taiwan

The human intestinal epithelial monolayer is the primary site where bidirectional interactions between the massive number of gut bacteria and the underlying immune cells (e.g., macrophage) situated in the lamina propria, play a critical role in forming a protective barrier as well as in the maintenance of gut homeostasis. Depletion of oxygen and nutrients by intestinal ischemic or hypoxic stress caused cell death (both apoptosis and necroptosis), crypt dysfunction, mucosal inflammation, resulting in bacterial translocation and gut origin of sepsis. Our recent studies have demonstrated that apical sodium/glucose cotransporter 1-mediated glucose uptake and distinct anaerobic glycolytic metabolites (e.g,. pyruvate, ATP, and lactate) conferred cytoprotection and anti-mucosal inflammation to ischemic gut. Our result showed that pyruvate blocked epithelial cell death via scavenging of mitochondrial superoxide in an ATP-independent manner but had no protective effects on crypt hypoproliferation. Conversely, replacement of ATP partly restored crypt proliferation but fail to reduce epithelial cell death and histopathological damages under hypoxic stress. Beyond the cytoprotective effects, we also found that enterocyte-derived anaerobic lactate plays a role in anti-inflammatory regulation of intestinal macrophage by lower the proinflammatory cytokine production under hypoxic stress. Taken together, enteral glucose metabolites conferred protective effects to ischemic gut via distinct physiological level, incorporating reticence of epithelial necroptosis by pyruvate, promotion of crypt of proliferation by ATP and regulation of mucosal macrophage by lactate.

S33

3 月 25 日 (週日) 14:30-15:00
1 樓，第 1 教室

Speaker :
邱麗珠
Lih-Chu Chiou

食慾素催生大麻素所致神經失控的後果 : 高壓下之止痛 , 針灸止痛與壓力誘發癮頭

Implications of Orexin-Induced Endocannabinoid Disinhibition: Stress-Induced Analgesia, Acupuncture Analgesia and Stress-Induced Drug Craving

Lih-Chu Chiou
Graduate Institute of Brain and Mind Sciences, Department of Pharmacology, College of Medicine, National Taiwan University, Taipei, Taiwan

The orexin system consists of a pair of hypothalamic neuropeptides, orexin A and B that are also named hypocretin 1 and 2, and two receptors, OX1 and OX2. Orexins are involved in several funcitons such as arousal, feeding, reward and pain regulation. We have revealed a novel analgesic mechanism of orexins; i.e., orexin A induced analgesia via activating OX1Rs (a GqPCR family) to generate 2-arachidonoylglycerol (2-AG) via an enzymatic cascade mediated by phospholipase C (PLC) and diacylglycerol lipase (DAGL). 2-AG, an endocannabinoid, then produced retrograde inhibition of GABA release (disinhibition) via CB1Rs in the ventrolateral periaqueductal gray (vlPAG), a midbrain region crucial for initiating descending pain inhibition (1). We further explored the physiological significance of this orexin-induced disinhibition mechanism, i.e. when endogenous orexins can be released and produce disinhibition via this OX1R- PLC-DAGL-2-AG-CB1R cascade. Interestingly, we found that this orexin-initiated 2-AG-mediated disinhibition mechanism in the vlPAG can contribute to stress-induced analgesia (2) and acupuncture-induced analgesia. Importantly, this mechanism also exists in the ventral tegmental area and contributes to stress-induced reinstatement of extinguished cocaine seeking (3).

1.Ho YC, Lee HJ, Tung LW, Liao YY, Fu SY, Teng SF, Liao HT, Mackie K and Chiou LC (2011) Activation of orexin 1 receptors in the periaqueductal gray of male rats leads to antinociception via retrograde endocannabinoid (2-arachidonoylglycerol)-induced disinhibition. J Neurosci 31:14600-10.
2.Lee HJ, Chang LY, Ho YC, Teng SF, Hwang LL, Mackie K and Chiou LC (2016). Stress induces analgesia via orexin 1 receptor-initiated endocannabinoid/CB1 signaling in the mouse periaqueductal gray. Neuropharmacology 105:577-586.
3.Tung LW, Lu GL, Lee YH, Yu L, Lee HJ, Leishman E, Bradshaw H, Hwang LL, Hung MS, Mackie K, Zimmer A and Chiou LC (2016) Orexins contribute to restraint stress-induced cocaine relapse by endocannabinoid-mediated disinhibition of dopaminergic neurons. Nature Communications 7:12199. DOI: 10.1038/ncomms12199.

S34

3 月 25 日 (週日) 15:00-15:30
1 樓，第 1 教室

Speaker :
黃玲玲
Ling-Ling Hwang

The roles of hypothalamic orexin system in cardiovascular regulation

Ling-Ling Hwang
Department of Physiology, College of Medicine, Taipei Medical University

Orexins A and B are excitatory neurotransmitters synthesized by neurons located in the lateral and perifornical areas of the hypothalamus. These neurons play important role in regulating arousal, reward, appetite, nociception, and cardiovascular functions. Orexins are able to elevate arterial pressure, heart rate and sympathetic activity through their actions in the CNS and are involved in tonic and phasic homeostasis of cardiovascular system. The contribution of an elevated orexinergic activity in hypertension was reported in genetic rat and mice models of primary hypertension. The orexin system has becomes a novel therapeutic target for the treatment of insomnia, substance abuse, panic disorder and cardiovascular disorders. The multi-functional property of the orexin system raises an alert with respect to adverse effects. Understanding the action sites and mechanisms of orexins are of importance for developing new therapeutical strategies targeting the orexin system. We have demonstrated that the paraventricular nucleus of the hypothalamus (PVN), dorsomedial hypothalamic nucleus, and rostral ventrolateral medulla (RVLM) are important sites for orexin’ s cardiovascular regulation. Altered orexinergic activity in the RVLM and PVN were detected in spontaneously hypertensive rats. Progress has been made to identify the mechanisms of orexins in these structures.

S35

3 月 25 日 (週日) 15:30-16:00
1 樓，第 1 教室

Speaker :
黃翊恭
Eagle Yi-Kung Huang

Angiotensin IV acts through c-Met to suppress hippocampal long-term depression (LTD) with a possible connection with memory decay in rats

Ying-Jie Chen, Eagle Yi-Kung Huang
Dept. of Pharmacology, National Defense Medical Center, Taipei, Taiwan

Angiotensin IV (Ang IV), a peptide fragment generated from the renin-angiotensin system, was found to be with an important function on the enhancement of memory. Although the exact mechanism was unknown, Ang IV was proved to bind to insulin-regulated aminopeptidase (IRAP) and c-Met to act as an antagonist. In the hippocampus, neuroplasticity revealed by long-term depression (LTD) was recognized to be possibly related to memory decay. In the present study, we examined the effect of Ang IV on LTD. Our results showed that Ang IV dose-dependently inhibited the extent of LTD in the CA1 region of hippocampi of rats. Using co-administered anti-serum against c-Met, the inhibitory effect on LTD by Ang IV was attenuated. In contrast, atosiban (oxytocin receptor antagonist) had no effect on Ang IV-induced LTD suppression. Because IRAP serves as an enzyme to degrade oxytocin, these data suggest the effect of Ang IV may not be through the blockade of IRAP. Furthermore, HGF and c-Met anti-serum by themselves both exhibited a clear inhibitory effect on LTD. This indicates that Ang IV-induced LTD suppression should be independent from HGF-induced activation on c-Met downstream signaling (GAB1 phosphorylation) which was known could be attenuated by Ang IV. In our modified novel object recognition (NOR) tests, intracerebroventricularly administered Ang IV showed a potentiation on memory retention, which could be correlated with its reduction on LTD. Overall, the present study showed that Ang IV acts through c-Met to suppress LTD in the hippocampus, which could be of relevance in reducing memory decay.

S36

3 月 25 日 (週日) 16:00-16:30
1 樓，第 1 教室

Speaker :
許桂森
Kuei-Sen Hsu

Beyond the "love hormone": a novel role for oxytocin in regulating adult hippocampal neurogenesis

Yu-Ting Lin, Chien-Chung Chen and Kuei-Sen Hsu
Department of Pharmacology, College of Medicine, National Cheng Kung University, Tainan 70101, Taiwan

In addition to the regulation of social and emotional behaviors, the hypothalamic neuropeptide oxytocin (OXT) has been shown to stimulate neurogenesis in adult dentate gyrus (DG); however, the mechanisms underlying the action of OXT is still unclear. Taking advantage of the conditional knockout mouse model, we show here that endogenous OXT signaling functions in a non-cell-autonomous manner to regulate survival and maturation of newly generated dentate granule cells in adult mouse hippocampus via OXT receptors expressed in CA3 pyramidal neurons. Through bidirectional chemogenetic manipulations, we also uncover a significant role for CA3 pyramidal neuron activity in regulating adult neurogenesis in the DG. Retrograde neuronal tracing combined with immunocytochemistry revealed that the OXT neurons in the paraventricular nucleus project directly to the CA3 region of the hippocampus. These findings provide mechanistic insights into the functional role of hippocampal CA3 OXT signaling in the regulation of adult neurogenesis. Given the prominent role of OXTR signaling in enhancing adult hippocampal neurogenesis, we therefore speculate that it may serve as a potential therapeutic target for neurodegenerative diseases.

S37

3 月 25 日 (週日) 14:30-15:00
3 樓，第 32 教室

Speaker :
林谷峻
Gu-Jiun Lin

褪黑激素的免疫調控作用以及其在疾病模式的治療潛力
Immune modulatory effect of melatonin and its therapeutic potential in disease models

Gu-Jiun Lin
Department of Biology and Anatomy, National Defense Medical Center

Melatonin is a hormone originally considered to play a role in the regulation of circadian and seasonal rhythms but also exhibits multifunctional properties. Melatonin and its metabolites act as effective antioxidants and scavengers of free radicals. It can also enhance the expression of anti-oxidative enzymes, such as catalase (CAT), heme oxygenase-1 (HO-1), superoxide dismutases (SODs), glutathione peroxidase (GPx). Melatonin also play a critical role in the modulation of the immune system. ROS is a major mediator for inflammatory response. It can trigger signaling pathways involving immune responses to inducing the production of inflammatory cytokines, such as TNF-α, IL-6 or IFN-γ through the activation of NF-κB. Our previous study has showed that melatonin treatment effectively prolongs the survival of islet grafts in diabetic NOD mice. This treatment significantly reduces the population of Th1 CD4 lymphocyte and increases the expression of anti-inflammatory cytokine IL-10 as well as the population of IL-10-producing CD4 T cells. We also reported that melatonin treatment exhibits preventive and therapeutic effects in experimental autoimmune encephalomyelitis (EAE) by increasing the production of IL-10 in regulatory T cells. In our recent study, we evaluated the therapeutic potential of melatonin treatment in influenza A virus infection. We found that both high-dose melatonin pre-treatment and treatment significantly improved the survival of influenza virus infected mice. Our studies concluded that melatonin exhibits an immune modulatory effect in inflammatory diseases.

S38

3 月 25 日 (週日) 15:00-15:30
3 樓，第 32 教室

Speaker :
張綺芬
Chi-Fen Chang

2- 苯基萘衍生物在抗癌與抗發炎活性之研究
Studies on the Anti-cancer and Anti-inflammatory Activities of 2-Phenylnaphthalenes

Chi-Fen Chang
Department of Anatomy, School of Medicine, China Medical University, Taichung, Taiwan

Pharmacologically, 2-phenylnaphthalenes (PNAPs) have spatial and conformational requirements similar to those of genistein (an isoflavone), which has a large number of biological and biomedical effects. To the best of our knowledge, studies on the anti-cancer and anti-inflammatory activities of multi-substituted PNAPs are scarce. Therefore, in this study, the anti-cancer and anti-inflammatory pharmacological effects of eight 2-phenylnaphthalenes (PNAP-1 PNAP-8) on MCF-7 cells and lipopolysaccharide (LPS)-induced RAW264.7 cells were investigated. With regard to anti-cancer studies, 6,7-dihydroxy-2-(4'-hydroxyphenyl)naphthalene (PNAP-6) showed the highest cytotoxicity, with an IC50 value of 4.8 μM against MCF-7 cells, and showed low toxicity toward normal human mammary epithelial cells (MCF-10A). PNAP-6 induced S phase arrest via the promotion of p21 and p27 and the inhibition of cyclin D1, CDK4, cyclin E, and CDK2. In addition, G2/M phase arrest was mediated by reduction in the expression of cyclin B1 and CDK1. PNAP-6 induced apoptosis in MCF-7 cells not only via the intrinsic and extrinsic pathways but also through the p38 and ERK pathways. With regard to anti-inflammatory studies, we found that PNAP-6 and 2-(4'-aminophenyl)-6,7-dimethoxynaphthalene (PNAP-8) not only significantly decreased the expression of inducible nitric oxide synthase and cyclooxygenase-II, but also inhibited the production of nitric oxide and interleukin-6 in LPS-stimulated cells. Moreover, PNAP-6 and PNAP-8 were found to exert anti-inflammatory activities by downregulating NF-κB activation and the mitogen-activated protein kinase signaling pathway in LPS-stimulated RAW264.7 cells. These systematic studies revealed the anti-cancer and anti-inflammatory activities of multi-hydrophilic substituted PNAPs. These results are useful in the development of subsequent 2-phenylnaphthalene analogs as drugs for various ailments.

S39

3 月 25 日 (週日) 15:30-16:00
3 樓，第 32 教室

Speaker :
宋欣錦
Hsin-Ching Sung

The protective effect of eupafolin on lung inflammation

Hsin-Ching Sung
Department of Anatomy, Chang Gung University/ 長庚大學解剖學科

The deregulation of cell adhesion molecules associated with the epithelium-leukocyte interaction plays the important role in the pathogenesis of lung airway inflammatory disorders. Eupafolin, a major bioactive compound found in Phyla nodiflora, has the anti-inflammatory property. The purpose of this study was to investigate the effects of eupafolin on tumor necrosis factor-α (TNF-α)-induced intercellular cell adhesion molecule-1 (ICAM-1) expression in human lung airway epithelial cells and the underlying mechanisms. Eupafolin pretreatment suppressed the TNF-α-induced ICAM-1 expression and also the ERK1/2, JNK, p38, and AKT/PI3K phosphorylation. On the other hand, the increase in ICAM-1 expression with TNF-α treatment was unaffected by p38 and PI3K inhibitors. Moreover, eupafolin decreased the TNF-α-induced NF-κB p65 activation and its nuclear translocation. Furthermore, eupafolin suppressed ICAM-1 expression in the lung tissues of TNF-α-treated mice. Eupafolin regulated the TNF-α-induced ICAM-1 expression in A549 cells through the inhibition of AKT/ERK1/2/JNK phosphorylation and nuclear translocation of NF-κB p65 and decreased leukocyte adhesion. These results suggest that eupafolin may represent a novel therapeutic agent targeting epithelial activation in lung inflammation.

S40

3 月 25 日 (週日) 16:00-16:30
3 樓，第 32 教室

Speaker :
呂史提
Steve Leu

The role of tPA-MMP-9 Axis in regulating mobilization of Endothelial Progenitor Cells for neovascularization in ischemic limbs

Steve Leu
Institute for Translational Research in Biomedicine, Kaohsiung Chang Gung Memorial Hospital

In this study, we tested the hypothesis that tissue plasminogen activator (tPA)-matrix metalloproteinase (MMP)-9 axis is crucial for regulating endothelial progenitor cell (EPC) mobilization from bone marrow to circulation and involved in blood flow recovery post ischemic injury in a mouse model with critical limb ischemia (CLI). To induce CLI, femoral arterial ligation was performed on Wild-type (C57BL/6) mice and mice deficient in tPA or MMP-9. The administration of tPA and bone marrow transplantation were utilized to reveal the underlying regulatory relationship between tPA and MMP-9. Results showed that level of circulating EPCs (C-kit/CD31+, Sca-1/KDR+, CXCR4/CD34+) and bone marrow expression of activated MMP-9 were lower in mice with tPA deficiency, while the tPA treatment reverted the decrement. Examinations on Protein expression of angiogenic factors in ischemic quadriceps showed that the levels of SDF-1α, eNOS, and VEGF were regulated by the expression of tPA. Results from Immunofluorescent stainings further indicated that the expression of tPA modulated the distribution of infiltrated EPCs, numbers of endothelial cells and small arteries, and the blood flow recovery in ischemic quadriceps. As that in tPA-deficient mice, the number of circulating EPCs, the expression level of angiogenic factors, the distribution of infiltrated EPCs, neovascularization, and the blood flow recovery were all reduced in mice with MMP-9 deficiency. However, only bone marrow transplantation, but not tPA treatment could rescue the impairment in EPC migration and injury recovery. In conclusion, through the present study in mouse model, we considered that tPA-MMP-9 axis played a pivotal role in augmenting circulating EPCs, angiogenesis, and blood flow recovery post ischemic injury.

S41

3 月 24 日 (週六) 14:30-15:00
3 樓，第 33 教室

Speaker :
朱雪萍
Hsueh-Ping Chu

TERRA RNA at telomeres and beyond.

Hsueh-Ping Chu
Molecular and Cellular Biology, National Taiwan University

The mammalian genome is ubiquitously transcribed, and the ends of telomeres are no exception. The telomere produces a heterogeneous population of long noncoding RNAs known as TERRA. TERRA contains the canonical telomeric repeat sequence, UUAGGG, as well as sequences unique to the subtelomeric region of each chromosome. Because of the preferential association with telomeres, investigation into TERRA function has focused almost exclusively on telomeres. Through an integration of genomic and proteomic approaches, we investigate the function of TERRA. By identifying thousands of TERRA target sites in the mouse genome, we demonstrate that TERRA can bind both in cis to telomeres and in trans to genic targets. We then define a large network of interacting proteins, including epigenetic factors, telomeric proteins, and the RNA helicase, ATRX. TERRA and ATRX share hundreds of target genes and are functionally antagonistic at these loci: whereas TERRA activates, ATRX represses gene expression. At telomeres, TERRA competes with telomeric DNA for ATRX binding, suppresses ATRX localization, and ensures telomeric stability. Depleting TERRA increases telomerase activity and induces telomeric pathologies, including formation of telomere-induced DNA damage foci and loss or duplication of telomeric sequences. We conclude that TERRA functions as an epigenomic modulator in trans and as an essential regulator of telomeres in cis.

S42

3 月 25 日 (週日) 15:00-15:30
3 樓，第 33 教室

Speaker :
鄧述諄
Shu-Chun Teng

Multiple pathways scrutinize telomere function

Shu-Chun Teng
Graduate Institute of Microbiology, College of Medicine, National Taiwan University

The replication of telomeres requires optimal timing and specific mechanisms for initiation and termination. In yeast, the initiation involves in combined actions of kinases on Cdc13 to promote telomerase recruitment at the late S phase. However, how cells terminate the function of telomerase at G2/M is still elusive. Here we show that PP2A phosphatase and Aurora kinase coordinately inhibit the function of telomerase. Pph22 phosphatase and Ipl1 kinase dephosphorylates and phosphorylates, respectively, the telomerase recruitment domain of Cdc13 to inhibit telomerase recruitment at G2/M phase. While Pph22 removes Tel1/Mec1-mediated Cdc13 phosphorylation to reduce Cdc13-Est1 interaction, Ipl1-dependent Cdc13 phosphorylation elicits an Est1/TLC1 dissociation. Failure of these regulations prevents telomerase from departing telomeres, causing perturbed telomere lengthening and prolonged M phase. Together our results demonstrate that differential and additive actions of PP2A phosphatase and Aurora kinase on Cdc13 limit telomerase action by removing active telomerase from telomeres at G2/M phase.

Moreover, upon environmental changes, proliferating cells delay cell cycle to prevent further damage accumulation. Cip1 is a CDK associated protein. However, the function and regulation of Cip1 are still poorly understood. Here we demonstrate that Cip1 expression is co-regulated by the cell cycle-mediated transcriptional factor Mcm1 and the stress-mediated transcriptional factors Msn2/4. Overexpression of Cip1 arrests cell cycle through inhibition of all Cdk1-G1 cyclin complexes at G1 stage, and the stress-activated protein kinase dependent phosphorylation of Cip1 T65, T69, and T73 strengthens the Cip1and Cdk1-G1 cyclin complexes interaction. Cip1 accumulation mainly targets Cdk1-Cln3 complex to prevent Whi5 phosphorylation and inhibit early G1 progression. Under osmotic stress, Cip1 expression triggers transient G1 delay which plays a functionally redundant role with another hyperosmolar activated CKI, Sic1. These findings indicate that Cip1 functions similar to mammalian p21 as a stress induced CDK inhibitor to decelerate cell cycle through all G1 cyclins to cope with environmental stresses.

S43

3 月 25 日 (週日) 15:30-16:00
3 樓，第 33 教室

Speaker :
陳律佑
Liuh-Yow Chen

Immune escape during the development of telomerase-independent telomere maintenance in cancer

Liuh-Yow Chen
Institute of Molecular Biology, Academia Sinica

Alternative lengthening of telomeres (ALT) is a telomerase-independent telomere maintenance mechanism implicated in 10-15% of cancers. It has been shown that activation of the STING-dependent cytosolic DNA sensing pathway suppresses tumorigenesis, but the cellular sources of self-DNA remain speculative. Extra-chromosomal telomere repeat (ECTR) DNA molecules are generated during ALT development and are abundant in ALT cancer cells. Here, we provide evidence that ECTR generation associated with ALT development may affect tumorigenesis by activating the STING-mediated pathway. We find that although ECTRs are present in the cytoplasm, the cellular DNA sensing mechanism that reacts to ECTRs is commonly defective in ALT cancer cells. However, upon induction in human fibroblasts, ECTRs activate the cGAS-STING-TBK1-IRF3 signaling axis to induce IFNβ production and trigger a type I interferon response, consequently causing cell proliferation defects. We found that STING expression is inhibited in ALT cancer cell lines and transformed ALT cell strands. Intriguingly, the ALT-associated tumor suppressors ATRX/Daxx histone chaperon complex and histone H3.3 are also required for activation of the DNA sensing pathway. Co-expression of STING and ATRX in ALT cancer cells reconstitute the DNA sensing mechanism. Collectively, our data reveal that loss of the DNA sensing pathway may be a prerequisite for ALT development in order to evade ECTR-induced anti-proliferation effects, which may be exploited for treatments specific to ALT cancer.

S44

3 月 25 日 (週日) 16:00-16:30
3 樓，第 33 教室

Speaker :
林敬哲
Jing-Jer Lin

Telomeric transcripts stimulate telomere recombination to suppress senescence in cells lacking telomerase

Jing-Jer Lin
Institute of Biochemistry and Molecular Biology, National Taiwan University College of Medicine, Taipei

Telomeres are nucleoprotein structures located at both ends of eukaryotic linear chromosomes. They protect chromosome ends from nucleolytic degradation, inter-chromosomal fusion, and unnecessary repair-recombination. Telomere length is maintained by a ribonucleoprotein (RNP) called telomerase that uses its RNA component to synthesize telomeric DNA. In cells lacking telomerase, a recombination-based mechanism is used to maintain telomere length. The mechanism of recombination-based mechanism is still unclear. A telomeric long noncoding RNA termed telomeric repeat-containing RNA (TERRA) was identified in both mammalian cells and yeast S. cerevisiae. TERRA forms RNA:DNA hybrid with telomeric DNA to stimulate telomere recombination in cells lacking telomerase. The mechanism of how TERRA stimulates telomere recombination will be discussed.

S45

3 月 24 日 (週六) 14:30-15:00
1 樓，可勝廳

Speaker :
林以行
Yee-Shin Lin

Galectins Regulate Xenophagy of Group A Streptococcus

Yi-Lin Cheng[1,2], Jiunn-Jong Wu[1], Yee-Shin Lin[2]
[1]Department of Biotechnology and Laboratory Science in Medicine, School of Biomedical Science and Engineering, National Yang-Ming University, Taipei, Taiwan, and [2]Department of Microbiology and Immunology, College of Medicine, National Cheng Kung University, Tainan, Taiwan

Group A streptococcus (GAS) is an important human pathogen causing a wide variety of diseases, ranging from mild self-limiting infection, such as pharyngitis and tonsillitis, to severe life-threatening infection, such as necrotizing fasciitis and toxic shock syndrome. In spite of the availability of antibiotics, the incidence of severe invasive GAS infection continues to increase resulting in considerable morbidity and mortality worldwide. One strategy that GAS escapes from immune surveillance and antibiotic killing is to internalize into non-phagocytic cells. Although GAS has been reported to induce autophagy and is efficiently killed within lysosome-fused autophagosomes in epithelial cells, we found that invasive strains of GAS can replicate in endothelial cells. Recently, we showed differential galectin (Gal)-3 and Gal-8 expression in endothelial cells and epithelial cells. The recruitment of Gal-3 to GAS is higher and the recruitment of Gal-8 to GAS is lower in endothelial cells compared to epithelial cells. We further show that Gal-3 promotes GAS replication and diminishes the recruitment of Gal-8 and ubiquitin. Our results demonstrate that Gal-3 inhibits ubiquitin recruitment by blocking Gal-8, resulting in GAS replication in endothelial cells. Furthermore, LC3-positive single-membrane, which is the same as the structure of LC3-associated phagocytosis (LAP), forms around cytoplasmic GAS with insufficient acidification for bacterial clearance in endothelial cells. The higher level of reactive oxygen species (ROS) contributes to LAP induction preferentially in endothelial cells compared with epithelial cells after GAS infection. Inhibition of ROS reduces GAS multiplication and enhances autolysosome acidification in endothelial cells. Gal-3, which is uniquely associated with the LAP-engaged phagosome (LAPosome), is abundant around GAS-containing vacuoles in endothelial cells. We therefore hypothesized that Gal-3 may promote LAP progression by recruiting GBP7 followed by NOX2 complex assembly resulting in ROS generation. Our results showed that both NOX2 and GBP7 were colocalized with Gal-3 and LC3, which surrounded GAS. Taken together, this study helps to clarify the underlying mechanism of LAP induction and the strategy of GAS to evade LAP in endothelial cells during GAS infection.

S46

3 月 25 日 (週日) 15:00-15:30
1 樓，可勝廳

Speaker :
伍安怡
Betty A. Wu-Hsieh

Receptor collaboraion in innate cell response to fungal infection

Betty A. Wu-Hsieh
Graduate Institute of Immunology, National Taiwan University College of Medicine

Recognition of an invading pathogen by pattern recognition receptors (PRRs) to trigger immune response is critical for host defense against infection. Fungal cell wall is composed of multiple pathogen-associated molecular patterns (PAMPs). To initiate immune response, innate immune cells are likely to utilize a set of PRRs to recognize a specific fungal pathogen. Thus, the coordination between PRRs leading to optimized biological responses has emerged as an important issue to the understanding of the interplay between host cells and pathogens. We discovered that mouse macrophages use CR3, but not Dectin-1, for phagocytosis of H. *caspulatum*, while both CR3 and Dectin-1 collaborate as equal partners in pro-inflammatory cytokine response against this fungal pathogen. CR3 and Dectin-1 sterically associate on lipid raft microdomains upon H. *capsulatum* stimulation. The association facilitates their collaboration in enhancing the activation of Syk-JNK-AP-1 signaling pathway that leads to TNF and IL-6 production. In dendritic cell response to H. capsulatum for inflammasome activation, Dectin-2 plays a role as a primary receptor that mediates both signal 1 and 2 for NLRP3 inflammasome. In the presence of Dectin-2, Dectin-1 does not respond to H. *capsulatum*. In the absence of Dectin-2, however, recognition of H. *capsulatum* by Dectin-1 takes place, although less prominently, and it can trigger both signal 1 and 2. Both receptors trigger Syk-JNK signal pathway to activate signal 1 (pro-IL-1β synthesis) and signal 2 (activation of caspase-1). While K+ efflux and cathepsin B function as signal 2, cathepsin B release is regulated by ERK/JNK downstream of Dectin-2 and Dectin-1. Together, our data demonstrate that receptor collaboration may be common in recognition of a fungal pathogen and that different innate cells use different receptors to recognize the same fungus for different responses.

S47

3 月 25 日 (週日) 9:00-10:00
2 樓，第 20 教室

Speaker :
柯建志
Chien-Chih Ke

Advances of in vivo optical imaging

Chien-Chih Ke
Biomedical Imaging Research Center, National Yang-Ming University

Optical imaging is a non-invasively technique that rely on illumination light in the ultraviolet, visible and infrared regions of the electromagnetic spectrum. As comparing to radiological imaging techniques, optical imaging offers a number of advantages including time-saving, safety, straight-forward use and cost-effectiveness. However, signals from tissue beyond 1 mm deep decreases rapidly with depth due to scattering and absorption. The most effective way to overcome the light scattering and absorption is to employ excitation and emission wavelengths in the near-infrared optical imaging window, where the main tissue constituents absorb the least. Currently, three different imaging modalities have been developed: planar imaging (including fluorescence and bioluminescence in vivo imaging), optical tomography, and optoacoustic approaches. Planar optical imaging is the most common used technique, mainly due to their high sensitivity, high throughput, and dynamic real-time imaging. However, inherent limitations of planar optical imaging such as inability to provide quantitative information and 3D positioning would be likely to cause analysis difficulties and errors in the imaging results. In contrast, fluorescence molecular tomography and optoacoustic tomography can detect the distribution and depth location of fluorescent probes in vivo, thereby overcoming many shortcomings of planar imaging method. In this presentation, the basic concepts of different optical imaging approaches will be discussed and the optimal selection of a technique will depend on the model used and the information that we want to obtain.

S48

3 月 25 日 (週日) 09:00-10:00
2 樓，第 20 教室

Speaker :
陳仁焜
Jen-Kun Chen

Advances of Preclinical Applications of microCT

Jen-Kun Chen
Institute of BioMedical Engineering & NanoMadicine, National Health Research Institutes, Zhunan, Taiwan

Computed tomography (CT) has demonstrated revolutionized clinical images in 1970s and subsequently microCT imaging for small animals has rapidly advanced in 1980s owing to improving spatial resolution to micrometer scale. There were 1217 and 590 papers published in 2017 based on simple queries of PubMed using key terms of CT combined with mouse and rat, respectively. Disease models established in small animals are essential for fighting against human diseases. Imaging small animals by microCT is remarkable to understand phenotyping and anatomic changes resulting from progress of the disease along with responses of therapies. Importantly, in vivo imaging provided by microCT can demonstrate achievements of reduce and refinement for animal studies in biomedical research. Animal Molecular Imaging Core Facility (AMICF) of NHRI has accumulated many experiences of using microCT to consolidate animal models for drug development. Preclinical applications of microCT in acute lung injury (ALI) and lung cancer will be spotlighted in this talk. Finally, we intend to discuss potential future technology to advance microCT in biomedical research.

S49

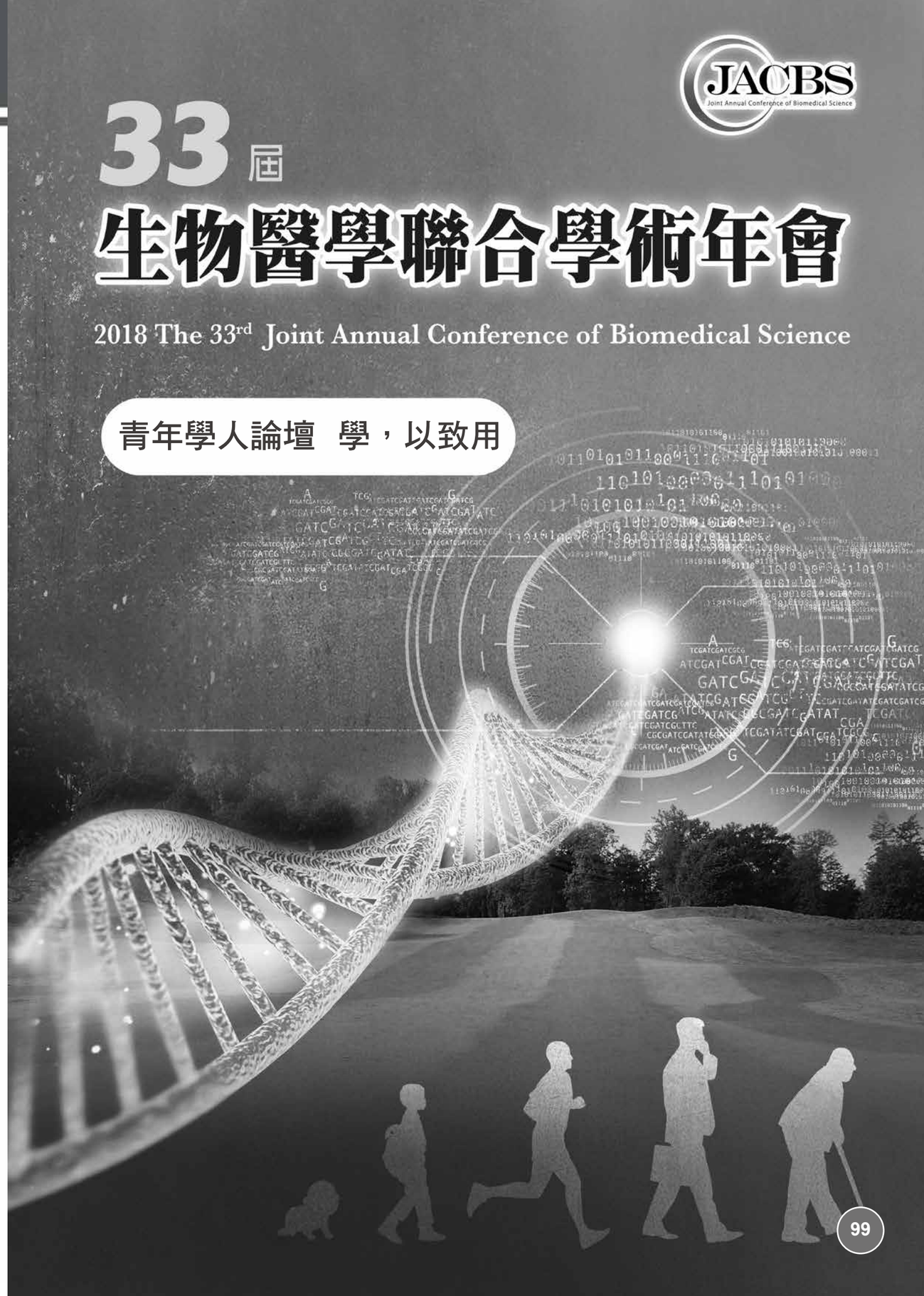
3 月 25 日 (週日) 09:00-10:00
2 樓，第 20 教室

Speaker :
李致賢
Jhih-Shian Lee

Advances technology of ultra-high resolution microCT

Jhih-Shian Lee
Delta Electronics, Inc.

High resolution micro computed tomography (micro-CT) is x-ray tomographic imaging, by the same method used in clinical CT scans, but with massively increased spatial resolution. High resolution microCT is an accurate technique for 3D examination of ex-vivo biological samples. The micro CT provide high-resolution images (1-100 microns of resolution) rapid data acquisition (typically 0.5 to 30 minutes), excellent sensitivity to skeletal tissue and metal material. Sample conditioning and positioning in microCT does not require high vacuum or low temperatures, which may adversely affect the structure. High-resolution microCT has the potential to produce quantitative 3D images of small exvivo samples. Thus high-resolution microCT have recently emerged as important new tools for a wide range of applications.



青年學人論壇 學，以致用

時間：107 年 3 月 25 日 (日) 12:30 - 14:20
地點：3 樓，第 30 教室

改變現狀 學術工作的機會與出路在哪裡
一次近距離表達意見的機會 一個讓心聲上達天聽的管道

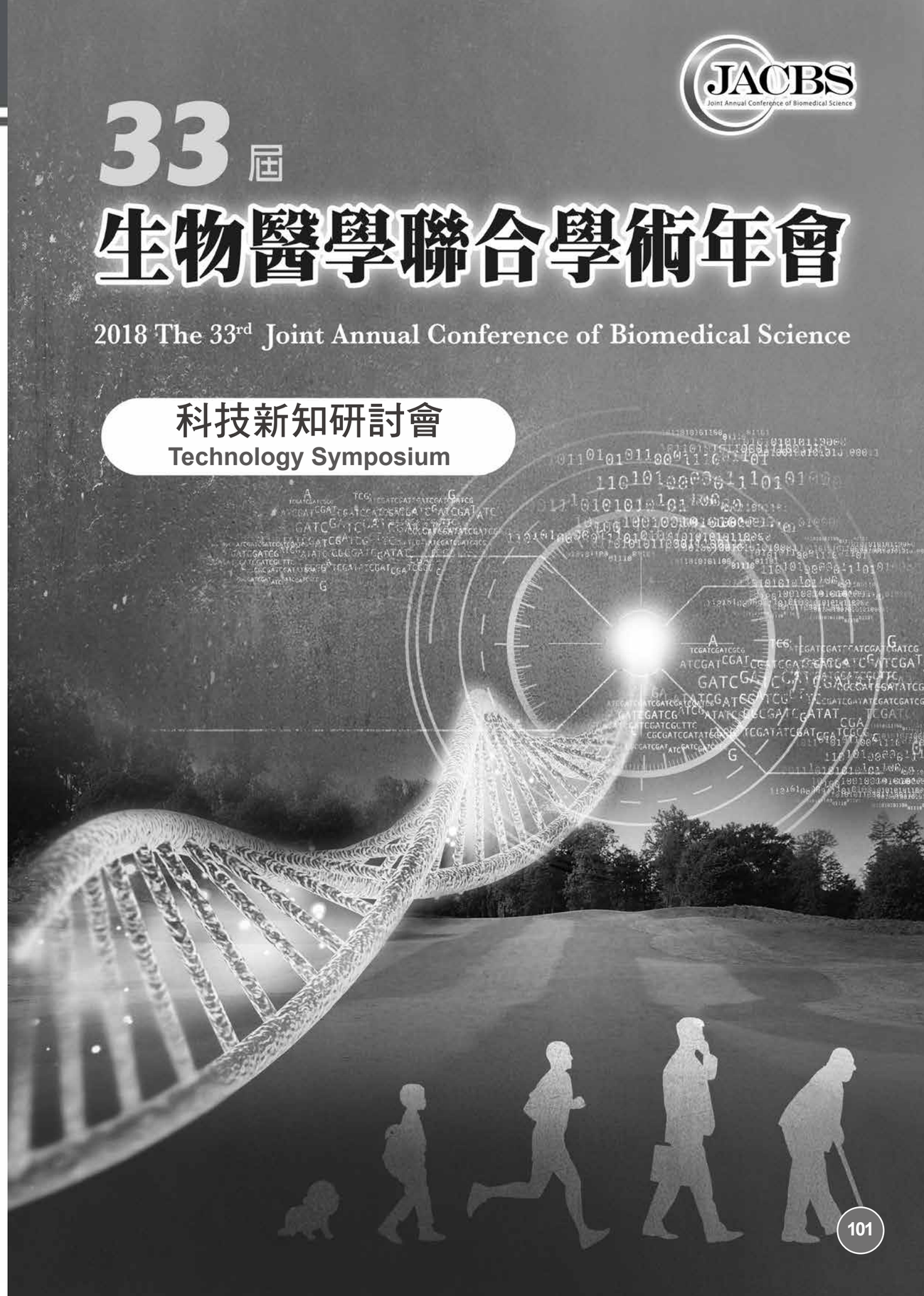
“ 我熱愛研究，不想為五斗米折腰，能不能讓我的工作更有保障？
怎麼樣才能讓我的研究成果實用化、商品化？
全心探索、熱烈討論的學研環境，能不能在台灣實現？
學術良知只靠倫理課？教職越來越少怎麼辦？想讀生科的學生去哪了？”

論壇內容

以學術界年輕一輩的眼前的困境與未來的發展性為討論主題，邀請產官學界重要人士與會，和參加者進行面對面的討論，以參加者發言為主，來賓回應為輔。事前亦透過網路平台蒐集產官學三大領域之提問與建言，於活動前交給來賓，以利當天討論活動之進行，並將意見整理公布於活動網站。

與談來賓

高雄醫學大學 / 立法院 陳宜民 教授 / 委員
中央研究院 廖俊智 院長
生命科學研究發展司 莊偉哲 司長
展旺生命科技股份有限公司 顧曼芹 董事會主席 & 執行長
環球生技月刊 林明定 總編輯



T1

時間：3 月 24 日 (週六) 12:30-13:30
地點： 1 樓，第 1 教室
單位：財團法人國家衛生研究院

Use of Big Data in Precision Medicine

Speaker :
黃憲達
國立交通大學生物科技學院講座教授／副院長

Moderator:
熊昭
國家衛生研究院群體健康科學研究所所長 / 特聘研究員

精準醫學（Precision Medicine）是以個人化基因資訊與醫療檢測數據為基礎，結合各項醫療技術與藥物資訊，精準地做出疾病診斷，精確地挑選最合適的個人治療方針。本此演講中，黃憲達講座教授將深入淺出的用最宏闊且專業的角度介紹精準醫療的內涵，引領參與演講之產官學研各界專家思考如何運用高通量定序技術產生之生醫大數據，解析基因體密碼用於精準醫療發展。黃憲達講座教授也將對於有志從事生物科技學術研究、產業甚至是思考自行創業的學子們提出建議，鼓勵學生於求學階段便可研究與產業應用相關的題目，將研發的新技術或概念，落實於產業中並創造經濟價值。最終，黃憲達講座教授也會期許台灣生物資訊產業能與醫療制度緊密結合，提升醫藥效能，減少醫療資源浪費，讓精準醫學真正落實。

T2

時間：3 月 24 日 (週六) 12:30-13:30
地點： 1 樓，第 2 教室
單位：盟基生物科技股份有限公司

見微知著：帶您進入劃時代的新藥研發領域
Total Solution from an Idea to Drug Discovery

Speaker :
Dr. Cheng-Chin Kuo,
郭呈欽 副研究員
國家衛生研究院
細胞及系統醫學研究所

Moderator:
陳詩薏
盟基生技 業務經理
台灣大學碩士

您有好的想法、重要的 Biomarker 等著被實踐驗證嗎？您有小分子化合物、大分子抗體想要往專利申請或藥物發展，但苦無人力或是完善經驗來完成嗎？ 我們提供您一系列完整服務平台，用最專業且具藥物研發的絕佳經驗，幫您達成目標！

無庸置疑地，新藥開發 (Drug Discovery) 和尋找生物標記 (Biomarker) 不再是兩門獨立學問，如何有效將這兩個領域融合應用，將是未來極具潛力的新興領域。有鑑於此，新藥開發的技術發展和方法對於生物學家與醫師用以鑑定及發現藥物標靶有著舉足輕重的重要性。此外，生物標記亦為一般生物試驗、致病源測試、藥理研究過程中的指標，因而利用作為診斷工具，來診斷個別疾病及其後續的精準醫療。這皆需仰賴前瞻性思考輔以嶄新的實驗方法來完善整體研究功課。

T3

時間：3 月 24 日 (週六) 12:30-13:30
地點：1 樓，可勝廳
單位：中華民國細胞及分子生物學學會

“How to Approach Extracellular Vesicles Research”

Speaker :
Jan Lötvall – we’re working hard to secure his schedule.
-Founding president of International Society of Extracellular Vesicles (ISEV)
-Chief Scintist of Codiak BioSciences
-Professor, University of Gothenburg
-Director of the Krefting Research Centre, University of Gothenburg

Tang-Long Shen
-Professor, National Taiwan University

Charles P. Lai
-Assistant Research Fellow, Academia Sinica

Talk Title:
“EV Imaging and EV-biological Activity”

Moderator:
吳益群 特聘教授
台灣大學分子與細胞生物學研究所

Jan Lötvall
Talk title:
“A Brief History of Extracellular Vesicles”

Tang-Long Shen
Talk Title:
“Purification and characterization of exosomes”

Charles P. Lai
Talk Title:
“EV Imaging and EV-biological Activity”

T4

時間：3 月 24 日 (週六) 12:30-13:30
地點：2 樓，第 29 教室
單位：科技部生命科學研究發展司生技醫藥核心設施平台辦公室

介紹及推廣生技醫藥核心設施平台

Speaker :
「生技醫藥核心設施平台」各核心設施計畫主持人、經理或平台辦公室經理

Moderator:
林蓁儀博士 生技醫藥核心設施平台辦公室 經理

為建置共同研究平台資源，發展前瞻技術並提供服務，引領台灣生技領域發展，科技部生科司 (原國科會生物處) 整合「生技醫藥國家型科技計畫」所建置之資源中心、「生技類核心設施平台維運計畫」已建置之核心設施、及國內前瞻性研發技術團隊，推動「生技醫藥核心設施平台」，充分運用科技資源，建構生技醫藥優質研發環境，並配合全國產、學、醫、研界之需求，提供專業高階之服務及諮詢，以串接生技領域及醫藥產業發展。本平台由該領域專家學者擔任各計畫主持人，涵蓋以下六個技術領域：

- 動物模式 -
基因轉殖鼠核心設施（台大林淑華教授）
人源腫瘤與腸道微生物移植及基因轉殖擬人鼠平台（國動余俊強主任）
動物設施聯盟 -- 國家綜合小鼠表現型暨藥效分析中心（中研院劉扶東院士）
斑馬魚疾病模式與毒性測試平台（國衛院江運金副研究員）

- 影像分析 -
生醫光學影像核心平台（成大沈孟儒特聘教授）

- 基因平台 -
基因體學臨床及產業應用發展中心（陽明林奇宏教授）
國家基因體醫學研究中心（中研院鄔哲源研究員）
藥物基因體實驗室（台大俞松良教授）
標靶式操控基因表達核心設施（中研院沈哲鯤特聘研究員）

- 生物資訊 -
生技醫藥生物資訊核心設施（國衛院熊昭特聘研究員）
國家生醫數位資料與分析運算雲端服務平台（國網蔡俊輝副主任）

- 生物資源 -
台灣地區肝細胞癌研究網及資料庫之建立和台灣肺癌組織樣品資源資源中心（長庚廖運範院士）
人類疾病誘導型多潛能幹細胞服務聯盟（中研院謝清河研究員）

- 蛋白質平台 -
同步輻射蛋白質結晶學核心設施（國輻簡玉成副研究員）

T5

時間：3 月 24 日 (週六) 12:30-13:30
地點：3 樓 , 第 31 教室
單位：諾貝爾生物有限公司

Examine Immune Checkpoints and Biomarkers for Immunotherapy Using Highly Multiplex IHC

Speaker :
AN (ANDY) ZOU

Application Specialist Cell Signaling Technology (CST)
October 2016 – Present ｜ Shanghai, China

Post-Doctoral Fellow University of Kansas Medical Center, National Cancer Institute (NCI) December 2014 – October 2016 ｜ Kansas City, US

Ph.D . Candidate University of Kansas Medical Center, National Cancer Institute (NCI)
August 2009 – September 2014 ｜ Kansas City, USA

Moderator:
林建吏
業務代表 諾貝爾生物有限公司
May 2007 - Present

Advances in immuno-oncology (IO) have successfully led to novel cancer therapeutics with favorable patient responses that are more durable than conventional cytotoxic chemotherapy. However, not all patients respond to immunotherapy; therefore investigators are trying to identify clinically relevant biomarkers with the goal of developing therapeutics based on personalized medicine.

Spatial localization, co-localization, and proximity of multiple biomarkers are critical when cataloging subsets of immune infiltrate and cancer cells and their interactions in the tumor microenvironment (TME). Fluorescent multiplex immunohistochemistry (mIHC) assays enable identification of cellular phenotypes while simultaneously characterizing the protein expression of multiple therapeutic targets and predictive biomarkers in limited and valuable patient samples. For these reasons, mIHC, which facilitates detection of 6 or more proteins/biomarkers in formalin-fixed, paraffin-embedded (FFPE) tissue samples, is a valuable tool for immuno-oncology.

In mIHC as well as in single/dual-plex chromogenic IHC approaches, using highly specific applicationvalidated antibodies against relevant targets is crucial in order to obtain reliable results. Antibodies validated for IHC from CST enable investigators to get more information about biomarker expression, localization, interaction, and disease context.

T6

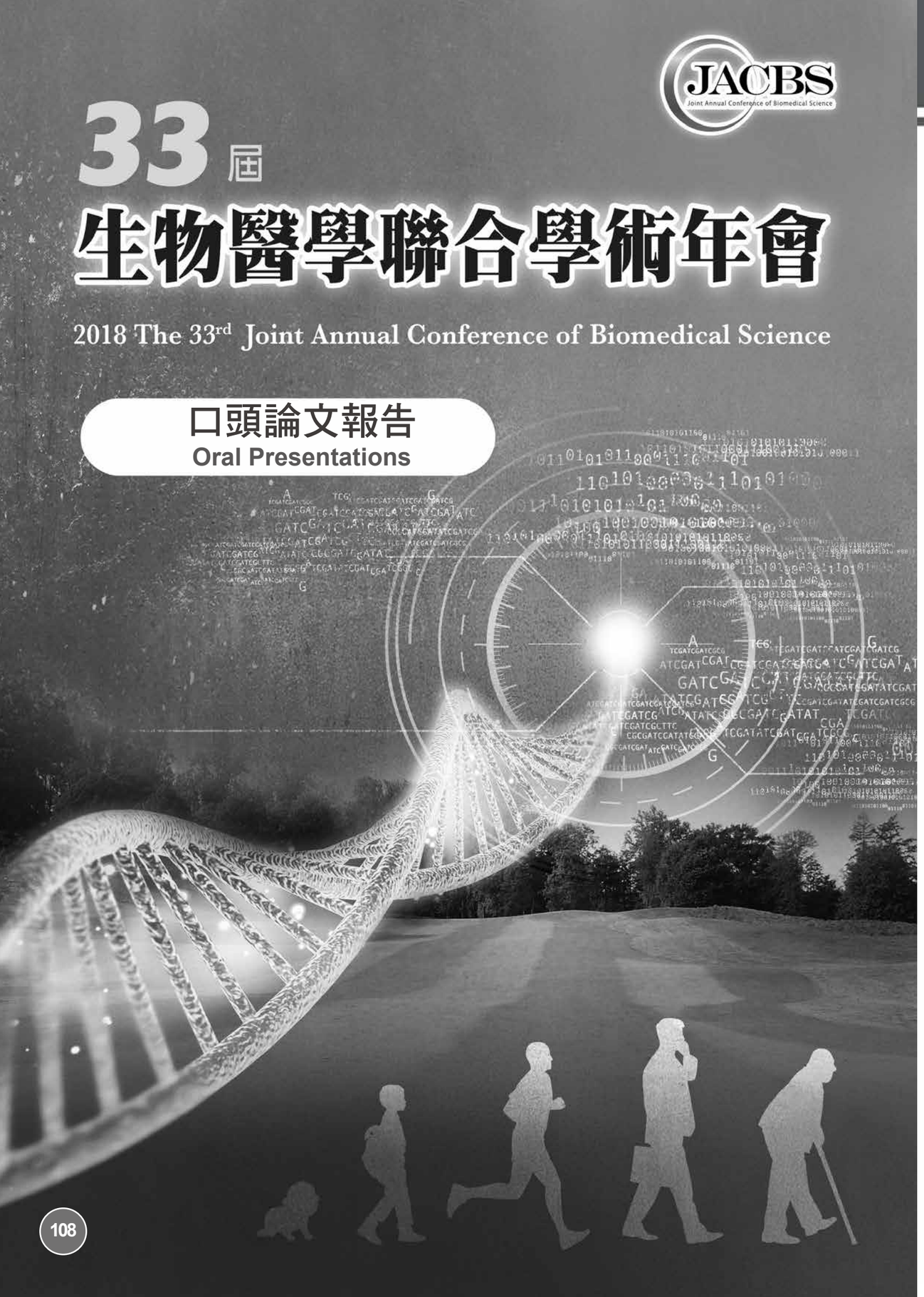
時間：3 月 24 日 (週六) 12:30-13:30
地點：3 樓 , 第 33 教室
單位：台灣默克股份有限公司

Amnis Imagin Flow Cytometry 看得見的流式細胞儀

Speaker :
曾瑀翔
Lead, Diagnostics and Flow Cytometry

Moderator:
鄭世緯
Product Manager

Amnis ImageStream 結合了螢光顯微鏡與流式細胞儀兩大系統，拓展了影像系統所無法達到的高通量數據分析，並打破過去流式細胞儀僅能擷取螢光訊號強度的缺陷。 Amnis 由於增加了影像的參數，可進行多達 85 種不同參數之分析與比較。 透過多種的參數進行不同的排列組合，Amnis 可讓研究人員自由開發出多樣且新穎的應用以及分析方法。 Amnis 於 2016 一年內便有 256 篇的期刊發表。 Amnis 也提供了頂級流式細胞儀之偵測能力，其高靈敏度拓展了 Amnis 針對小分子 (如 Exosome 或 Protein Aggregation) 相關之偵測應用與分析。讓流式細胞儀跨出了全新的一步，增加了多種影像分析與統計能力，大大開拓了研究視野。



口頭論文分類、時間、地點

107 年 3 月 24 日 (週六)

大會競賽	地點	時間	編號
大會主題競賽 I	3 樓，第 30 教室	09:20-10:20	O01-O04 (4 篇)
大會主題競賽 II		12:00-13:00	O05-O08 (4 篇)

學會別	地點	時間	編號
中華民國細胞及分子生物學學會	3 樓，第 30 教室	14:30-16:45	O09-O17 (9 篇)
中華民國毒物學學會	2 樓，第 29 教室	08:50-10:35	O18-O25 (8 篇)
台灣藥理學會	1 樓，第 1 教室	09:00-10:20	O26-O28 (3 篇)
中華民國免疫學會	1 樓，可勝廳	15:45-16:45	O29-O34 (6 篇)

107 年 3 月 25 日 (週日)

學會別	地點	時間	編號
中華民國臨床生化學會	3 樓，第 31 教室	14:30-16:30	O35-O39 (5 篇)
中華民國毒物學學會	2 樓，第 29 教室	08:55-10:15	O40-O45 (6 篇)
中國生理學會	1 樓，第 2 教室	08:30-10:00	O46-O51 (6 篇)
中華民國解剖學學會	3 樓，第 32 教室	09:00-10:00	O52-O57 (6 篇)
台灣生物化學及分子生物學學會	3 樓，第 33 教室	09:00-10:00	O58-O61 (4 篇)
		12:30-13:30	O62-O65 (4 篇)
中華民國免疫學會	1 樓，可勝廳	09:00-10:00	O66-O71 (6 篇)
台灣分子生物影像學會	2 樓，第 20 教室	14:30-16:45	O72-O77 (6 篇)

大會主題競賽 I

時間：107 年 3 月 24 日 (週六) 09:20-10:20
地點：3 樓，第 30 教室
主持人：許美鈴

編號	時段	演講者 & 講題
O01	09:20-10:20	Acute stress induces depressive-like phenotypes via epigenetic regulation of BDNF expression in hippocampus 王品涵 [1], 洪建中 [1,2], 簡伯武 [1] Pin-Han Wang[1],Jan-Jong Hung[1,2],Po-Wu Gean[1] [1] Department of Pharmacology, College of Medicine, National Cheng Kung University, Tainan, Taiwan [2] Institute of Bioinformatics and Biosignal Transduction , College of Bioscience and Technology, National Cheng Kung University, Tainan, Taiwan
O02	09:20-10:20	Comparative Proteomic Profiling Reveals a Role for Cisd2 in Skeletal Muscle Aging 黃義龍 [1], 沈釗慶 [1], 吳家瑜 [1], 鄧元淇 [2], 廖辰中 [3], 高承亨 [4], 陳亮恭 [5,6], 林照雄 [*1,3,6], 蔡亭芬 [*1,2,6,7,8] Yi-Long Huang[1], Zhao-Qing Shen[1], Chia-Yu Wu[1], Yuan-Chi Teng[2], Chen-Chung Liao[3], Cheng-Heng Kao[4], Liang-Kung Chen[5,6], Chao-Hsiung Lin*[1,3,6] and Ting-Fen Tsai*[1,2,6,7,8] [1]Department of Life Sciences and Institute of Genome Sciences, National Yang-Ming University, Taipei, Taiwan [2]Program in Molecular Medicine, School of Life Sciences, National Yang-Ming University and Academia Sinica, Taipei, Taiwan [3]Proteomics Research Center, National Yang Ming University, Taipei, Taiwan [4]Center of General Education, Chang Gung University, Taoyuan, Taiwan [5]Center for Geriatrics and Gerontology, Taipei Veterans General Hospital, Taipei, Taiwan [6]Aging and Health Research Center, National Yang-Ming University, Taipei, Taiwan [7]Genome Research Center, National Yang-Ming University, Taipei, Taiwan [8]Institute of Molecular and Genomic Medicine, National Health Research Institutes, Zhunan, Taiwan.
O03	09:20-10:20	Olfactory-Experience- and Developmental-Stage- Dependent Control of CPEB4 Regulates c-Fos mRNA Translation for Granule Cell Survival 曾慶三 [1,2], 趙需文 [3,4], 黃憲松 [5], 黃怡萱 [*1,2] Ching-San Tseng,[1,2] Hsu-Wen Chao,[3,4] Hsien-Sung Huang,[5] and Yi-Shuian Huang*[1,2] [1]Institute of Biomedical Sciences, Academia Sinica, Taipei 11529, Taiwan [2]Graduate Institute of Life Sciences, National Defense Medical Center, Taipei 11490, Taiwan [3]Department of Physiology, School of Medicine [4]Graduate Institute of Medical Sciences, College of Medicine Taipei Medical University, Taipei 11031, Taiwan [5]Graduate Institute of Brain and Mind Sciences, College of Medicine, National Taiwan University, Taipei 10051, Taiwan
O04	09:20-10:20	The D2 dopamine receptor interferes with the protective effect of the A2A adenosine receptor on TDP-43 mislocalization in experimental models of motor neuron degeneration 賴佳攸 [1,2], 劉育儒 [2], 賴幸琳 [2], 陳惠美 [2], 郭泓志 [3], 廖育萍 [2], 陳儀莊 [1,2,] Chia-You Lai[1,2], Yu-Ju Liu[2], Hsing-Lin Lai[2], Hui-Mei Chen[2], Hung-Chi Kuo[3], Yu-Ping Liao[2], Yijuang Chern[1,2] [1] Institute of Life Sciences, National Defense Medical Center, Taipei, Taiwan; [2] Institute of Biomedical Sciences, Academia Sinica, Taipei, Taiwan; [3]Institute of Cellular and Organismic Biology, Academia Sinica

大會主題競賽 II

時間：105 年 3 月 24 日 (週六) 12:00-13:00
地點：3 樓，第 30 教室
主持人：周玉山

編號	時段	演講者 & 講題
O05	12:00-13:00	Hepatocellular carcinoma-related cyclin D1 is selectively regulated by autophagy degradation system 吳珊瑩 [1,2,*], 藍昇輝 [1,2,*], 吳尚蓉 [3], 邱彥綺 [1], 林錫璋 [4], 蘇益仁 [5], 蔡亭芬 [6], 顏家瑞 [7], 呂宗學 [8], 梁富文 [8], 李忠一 [8], 蘇慧貞 [9], 蘇純立 [10], 劉校生 [1,2,11] Shan-Ying Wu[1,2,*], Sheng-Hui Lan[1,2,*], Shang-Rung Wu[3], Yen-Chi Chiu[1], Xi-Zhang Lin[4], Ih-Jen Su[5], Ting-Fen Tsai[6], Chia-Jui Yen[7], Tsung-Hsueh Lu[8], Fu-Wen Liang[8], Chung-Yi Li[8], Huey-Jen Su[9], Chun-Li Su[10] and Hsiao-Sheng Liu[1,2,11] [1]Institute of Basic Medical Sciences, College of Medicine, National Cheng Kung University, Tainan, Taiwan [2]Department of Microbiology and Immunology, College of Medicine, National Cheng Kung University, Tainan, Taiwan [3]Institute of Oral Medicine, National Cheng Kung University, Tainan, Taiwan [4]Department of Internal Medicine, National Cheng Kung University Hospital, Tainan, Taiwan [5]Department of Pathology, National Cheng Kung University Hospital, Tainan, Taiwan [6]Department of Life Sciences and Institute of Genome Sciences, National Yang-Ming University, Taipei, Taiwan [7] Division of Hematology and Oncology, Department of Internal Medicine, National Cheng Kung University Hospital, College of Medicine, National Cheng Kung University, Tainan, Taiwan [8]NCKU Research Center for Health Data and Department of Public Health, College of Medicine, Tainan, Taiwan [9]Department of Environmental and Occupational Health, College of Medicine, National Cheng Kung University, Tainan, Taiwan [10]Department of Human Development and Family Studies, National Taiwan Normal University, Taipei, Taiwan [11]Center of Infectious Disease and Signaling Research, College of Medicine, National Cheng Kung University, Tainan, Taiwan.
O06	12:00-13:00	DUSP6 connects T cell receptor-engaged glycolysis and restrains TFH cell differentiation 徐偉展 [1], 陳明玉 [1], 許素菁 [2], 黃麗蓉 [3], 鄭文卉 [1], 吳明憲 [2], 余冠儀 [2], 洪明秀 [4], 呂春敏 [5], 潭澤華 [1,6], 蘇郁文 [1*] Wei-Chan Hsu[1] , Ming-Yu Chen[1] , Shu-Ching Hsu[2] , Li-Rung Huang[3] , Wen-Hui Cheng[1] , Ming-Sian Wu[2] , Guann-Yi Yu[2] , Ming-Shiu Hung[4], Chuen-Miin Leu[5] , Tse-Hua Tan[1,6], Yu-Wen Su[1*] [1]Immunology Research Center, National Health Research Institutes (NHRI), Zhunan, Miaoli County, Taiwan [2]National Institute of Infectious Diseases and Vaccinology, NHRI, Taiwan [3]Institute of Molecular and Genomic Medicine, NHRI, Taiwan [4]Institute of Biotechnology and Pharmaceutical Research, NHRI, Taiwan [5]Institute of Microbiology and Immunology, National Yang-Ming University, Taiwan [6]Department of Pathology & Immunology, Baylor College of Medicine, Houston, TX, USA

大會主題競賽 II

編號	時段	演講者 & 講題
O07	12:00-13:00	Role of N-α-acetyltransferase 10 Protein in Premature Aging Ogden Syndrome 李振誠 [1,8], 彭士桓 [1,2,8], 沈立 [3,7,8], 李中帆 [1], 杜亭慧 [1], 康明倫 [1], 徐國良 [4], Anup K. Upadhyay[5], 程曉東 [5], 顏裕庭 [6], 張毅 [3]*, 阮麗蓉 [1]* Chen-Cheng Lee[1,8], Shih-Huan Peng[1,2,8], Li Shen[3,7,8], Chung-Fan Lee[1], Ting-Huei Du[1], Ming-Lun Kang[1], Guo-liang Xu[4], Anup K. Upadhyay[5], Xiaodong Cheng[5], Yu-Ting Yan[6], Yi Zhang[3]* & Li-Jung Juan[1]* [1]Genomics Research Center, Academia Sinica, Taipei 115, Taiwan, ROC; [2]Institute of Molecular Medicine, National Taiwan University College of Medicine, Taipei 100, Taiwan, ROC; [3]Howard Hughes Medical Institute, Harvard Medical School, Boston, MA 02115, USA; [4]Institute of Biochemistry and Cell Biology, Shanghai Institutes for Biological Sciences, Chinese Academy of Sciences, Shanghai 200031, China; [5]Department of Biochemistry, Emory University School of Medicine, Atlanta, Georgia 30322, USA; [6]Institute of Biomedical Science, Academia Sinica, Taipei 115, Taiwan, ROC. [7]Current address: Life Science Institute, Zhejiang University, Hangzhou, Zhejiang 310058, China. [8]These authors contributed equally to the study. * To whom correspondence should be addressed
O08	12:00-13:00	Transcriptomopathies of Pre- and Post-Symptomatic FTLD-like Mice with TDP-43 Depletion in Forebrain Neurons 武蓮絲 [1], 程偉政 [1], 陳嘉瑩 [2], 吳明哲 [1], 王懌琪 [3], 莊樹諄 [*2], 沈哲鯤 [*1] Lien-Szu Wu[1], Wei-Cheng Cheng[1], Chia-Ying Chen[2], Ming-Che Wu[1], Yi-Chi Wang[3], Yu-Hsiang Tseng[2], Trees-Juen Chuang[*2], C-K James Shen[*1] [1]Institute of Molecular Biology, Academia Sinica, Taipei, Taiwan [2]Institute of Genomics Research Center, Academia Sinica, Taipei, Taiwan [3]Research Center for Environmental Changes, Academia Sinica, Taipei, Taiwan

中華民國細胞及分子生物學學會

時間：107 年 3 月 24 日 (六) 14:30-16:45
地點：3 樓，第 30 教室
主持人：施修明

編號	時段	演講者 & 講題
O09	14:30-14:45	Extrachromosomal telomere repeat DNA is linked to ALT development via cGAS-STING DNA sensing pathway 陳奕安 [1,2]，沈依伶 [1]，夏宣瑜 [1]，鄭怡萍 [1]，宋紫玲 [1]，陳律佑 [1,2] Yi-An Chen[1,2], Yi-Ling Shen[1], Hsuan-Yu Hsia[1], Yee-Peng Tiang[1], Tzu-Ling Sung[1] & Liuh-Yow Chen*[1,2] [1]Institute of Molecular Biology, Academia Sinica, Taipei, Taiwan. [2]Taiwan International Graduate Program in Molecular and Cellular Biology, Academia Sinica and Graduate Institute of Life Science, National Defense Medical Center, Taipei, Taiwan. *Correspondence should be addressed to L.-Y.C. (lyowchen@gate.sinica.edu.tw).
O10	14:45-15:00	Myosin-Va is required for preciliary vesicle transportation to the mother centriole during ciliogenesis 吳千鼎 [1], 陳歆怡 [2], 唐堂 [*1,2] Chien-Ting Wu[1], Hsin-Yi Chen[2], Tang K. Tang[*1,2] [1]Taiwan International Graduate Program in Interdisciplinary Neuroscience, National Yang-Ming University and Academia Sinica, Taipei, Taiwan. [2]Institute of Biomedical Sciences, Academia Sinica, Taipei, Taiwan.
O11	15:00-15:15	CPEB2 Activates GRASP1 mRNA Translation and Promotes AMPA Receptor Surface Expression, Long-Term Potentiation, and Memory 呂文心 [1,2,3], 葉乃馨 [1], 黃怡萱 [*1,2,3] Wen-Hsin Lu[1,2,3], Nai-Hsing Yeh[1], Yi-Shuian Huang[*1,2,3] [1]Institute of Biomedical Sciences, Academia Sinica, Taipei, Taiwan [2]Taiwan International Graduate Program in Molecular Medicine, National Yang-Ming University and Academic Sinica, Taipei, Taiwan [3]Institute of Biochemistry and Molecular Biology, National Yang-Ming University, Taipei, Taiwan
O12	15:15-15:30	Snail-induced claudin-11 engenders collective migration and forms circulating tumor cell clusters to promote tumor progression 李京霏 [1], 陳家揚 [4], 何仰惠 [4], 許文豪 [2], 吳亮均 [4], 藍欣怡 [2], 許信賢 [3], 戴世光 [5], 張瑛芝 [4*], 楊慕華 [1,2,3,6*] Ching-Fei Li[1], Jia-Yang Chen[4], Yang-Hui Ho[4], Wen-Hao Hsu[2], Liang-Chun Wu[4], Hsin-Yi Lan[2], Dennis Shin-Shian Hsu[3], Shyh-Kuan Tai[5], Ying-Chih Chang[4*], and Muh-Hwa Yang[1,2,3,6*] [1]Program in Molecular Medicine, National Yang-Ming University and Academia Sinica, Taipei, Taiwan [2]Institute of Clinical Medicine, National Yang-Ming University, Taipei, Taiwan [3]Genome Research Center, National Yang-Ming University, Taipei, Taiwan [4]Genomics Research Center, Academia Sinica, Taipei, Taiwan [5]Department of Otolaryngology, Taipei Veterans General Hospital, Taipei, Taiwan [6]Division of Medical Oncology, Department of Oncology, Taipei Veterans General Hospital, Taipei, Taiwan
O13	15:30-15:45	MicroRNA Filters Hox Temporal Transcription Noise to Confer Boundary Formation in the Spinal Cord 李忠融 [1,2,5], 洪天 [3,5], 董盈岑 [2], 顏雅萍 [2,4], 許賀強 [2], 呂雅琳 [2], 張綿 [2], 聶青 [3,*], 陳俊安 [1,2,*] Chung-Jung Li[1,2,5], Tian Hong[3,5], Ying-Tsen Tung[2], Ya-Ping Yen[2,4], Ho-Chiang Hsu[2], Ya-Lin Lu[2], Mien Chang[2], Qing Nie[3,*], Jun-An Chen[1,2,*] [1]Molecular and Cell Biology, Taiwan International Graduate Program, Academia Sinica and Graduate Institute of Life Sciences, National Defense Medical Center, Taipei, Taiwan. [2]Institute of Molecular Biology, Academia Sinica, Taipei, 11529, Taiwan. [3]Center for Complex Biological Systems, Department of Mathematics, Department of Developmental and Cell Biology, University of California, 92697, Irvine, California, USA. [4]Institute of Biotechnology, College of Bio-Resources and Agriculture, National Taiwan University, Taipei, 10672, Taiwan. [5]These authors contributed equally to this work *Correspondence

編號	時段	演講者 & 講題
O14	15:45-16:00	CISD2 Haploinsufficiency Disrupts Calcium Homeostasis, Causes Nonalcoholic Fatty Liver Disease and Promotes Hepatocellular Carcinoma 沈釗慶 [1], 陳怡帆 [6], 陳俊叡 [7], 周玉山 [10], 吳珮君 [3], 高承亨 [11], 王志豪 [2], 黃義龍 [1], 陳建鋒 [5], 黃廷碩 [8], 徐于喬 [9], 蔡世峯 [1,15,12], 高閬仙 [1,3], 蔡亭芬 [*1,3,4,5,12] Zhao-Qing Shen[1], Yi-Fan Chen[6], Jim-Ray Chen[7], Yuh-Shan Jou[10], Pei-Chun Wu[3], Cheng-Heng Kao[11], Chih-Hao Wang[2], Yi-Long Huang[1], Chian-Feng Chen[5], Ting-Shuo Huang[8], Yu-Chiau Shyu[9], Shih-Feng Tsai[1,5,12], Lung-Sen Kao[1,3], Ting-Fen Tsai[*1,3,4,5,12] [1]Department of Life Sciences and Institute of Genome Sciences, [2]Institute of Biochemistry and Molecular Biology, [3]Brain Research Center, [4]Aging and Health Research Center and [5]Genome Research Center, National Yang-Ming University, Taipei 112, Taiwan. [6]The Ph.D. Program for Translational Medicine, College of Medical Science and Technology, Taipei Medical University, Taipei 110, Taiwan. [7]Department of Pathology, [8]Department of General Surgery, and [9]Community Medicine Research Center, Chang Gung Memorial Hospital, Keelung Branch, Keelung 204, Taiwan. [10]Institute of Biomedical Sciences, Academia Sinica, Taipei 115, Taiwan. [11]Center of General Education, Chang Gung University, Taoyuan 333, Taiwan. [12]Institute of Molecular and Genomic Medicine, National Health Research Institutes, Zhunan, Miaoli 350, Taiwan.
O15	16:00-16:15	Identification Of A Non-canonical Function For Ribose-5-phosphate Isomerase A Promotes Colorectal Cancer Formation By Stabilizing And Activating β-Catenin Via A Novel C-terminal Domain 邱于庭 [1,2], 姜正愷 [3], 楊慕華 [4], 盧正偉 [1,5], 林華國 [1], 汪宏達 [2,*], 喻秋華 [1,6,7,*] Yu-Ting Chou[1,2], Jeng-Kai Jiang[3], Muh-Hwa Yang[4], Jeng-Wei Lu[1,5], Hua-Kuo Lin[1], Horng-Dar Wang[2,*], Chiou-Hwa Yuh[1,6,7,*] [1]Institute of Molecular and Genomic Medicine, National Health Research Institutes, Zhunan, Miaoli, Taiwan; [2]Institute of Biotechnology, National Tsing-Hua University, Hsinchu, Taiwan; [3]Division of Colon & Rectal Surgery, Department of Surgery, Taipei Veterans General Hospital, Taiwan; [4]Institute of Clinical Medicine, National Yang-Ming University, Taipei, Taiwan; [5]Department of Life Sciences, National Central University, Jhongli City, Taoyuan, Taiwan; [6]Institute of Bioinformatics and Structural Biology, National Tsing-Hua University, Hsinchu, Taiwan; [7]Department of Biological Science and Technology, National Chiao Tung University, Hsinchu, Taiwan
O16	16:15-16:30	CELF1 mediates connexin 43 mRNA degradation in dilated cardiomyopathy 張貴婷 [1,2], 鄭敬楓 [2,3], 金姵池 [2], 劉欣怡 [2], 王桂馨 [1,2] Kuei-Ting Chang[1,2], Ching-Feng Cheng[2,3], Pei-Chih King[2], Shin-Yi Liu [2], and Guey-Shin Wang [1,2] [1]Program in Molecular Medicine, National Yang-Ming University and Academia Sinica, Taipei, Taiwan [2]Institute of Biomedical Sciences, Academia Sinica, Taipei, Taiwan [3]Department of Medical Research, Tzu Chi General Hospital and Department of Pediatrics, Tzu Chi University, Hualien, Taiwan
O17	16:30-16:45	Hedgehog Signaling Establishes Precursors for Germline Stem Cell Niches by Regulating Cell Adhesion 賴俊銘 [1,2,4], 林坤陽 [1,2,4], 高詩涵 [4], 陳誼寧 [5], 黃馥 [6], 許惠真 [*1,3,4] Chun-Ming Lai[1,2,4], Kun-Yang Lin[1,2,4], Shih-Han Kao[4], Yi-Ning Chen[5], Fu Huang[6], Hwei-Jan Hsu[*1,3,4] [1]Molecular and Biological Agricultural Science Program, Taiwan International Graduate Program, Academia Sinica and National Chung-Hsing University, Taipei 11529, Taiwan [2]Graduate Institute of Biotechnology and [3]Biotechnology Center, National Chung-Hsing University, Taichung 40227, Taiwan [4]Institute of Cellular and Organismic Biology, [5]Institute of Molecular and Cell Biology, and [6]Institute of Biological Chemisty, Academia Sinica, Taipei 11529, Taiwan

中華民國毒物學學會

時間：107 年 3 月 24 日 (六) 08:50-10:35
地點：2 樓，第 29 教室
主持人：姜至剛

編號	時段	演講者 & 講題
O18	08:50-09:03	Studies On The Molecular Mechanism Of The Benzo [a] pyrene –Induced Socs3 Expression Via AhR / Stat3 Pathway In RPE Cells 李儀 [1], 蔡季濠 [1], 康照洲 [*1] Yi Lee[1], Chi-Hao Tsai[1], Jaw-Jou Kang[1] [1]National Taiwan Univerisity College of Medicine Graduate Institute of Toxicology
O19	09:03-09:16	Taiwan ambient particulate matter induced pulmonary vascular lesions in mice and its cellular mechanisms 何佳琪 [1], 何彥君 [2], 陳裕政 [1], 張菡 [3,4], 蔡明憲 [1], 蔡卉蒂 [1], 林秀芳 [2*], 林嬪嬪 [1*] Chia-Chi Ho[1], Yen-Chun Ho[2], Yu-Cheng Chen[1], Han Chang[3,4], Ming-Hsien Tsai[1], Hui-Ti Tsai[1], Shaw-Fang Yet[2#], Pinpin Lin[1#] [1] National Institute of Environmental Health Sciences, National Health Research Institutes, Zhunan, Taiwan, R.O.C. [2] Institute of Cellular and System Medicine, National Health Research Institutes, Zhunan, Taiwan, R.O.C. [3]Department of Pathology, School of Medicine, China Medical University, Taichung, Taiwan, R.O.C. [4]Department of Pathology, China Medical University Hospital, Taichung, Taiwan, R.O.C.
O20	09:16-09:29	The effects of Ganoderma tsugae and electrical acupuncture stimulation in memory-related behavior in aging mice 吳鈞豪 [1]、招名威 [2]、曾嘉儀 [1] Chun-Hao Wu[1], Ming-Wei Chao[2], Chia-Yi Tseng[1] [1]Chung Yuan Christian University Biomedical Engineering [2]Chung Yuan Christian University Bioscience Technology
O21	09:29-09:42	Chlorella Active Peptides Improve Neurotoxic Substances-Induced Neuronal Injury and Explore the Underlying Mechanisms of the Neuroprotective Effect Shu-Mei Wang (王舒眉)[*], Ming-Chang Chiang (江明璋)[#1], Jiunn-Jye Chuu (褚俊傑)[#2] * M.A. Program, Institute of Life Sciences, Fu Jen Catholic University, New Taipei City, Taiwan [#1] Advisor: Associate Professor, Institute of Life Sciences, Fu Jen Catholic University, New Taipei City, Taiwan. [#2] Co-Advisor: Professor, Institute of Biotechnology, Southern Taiwan University of Science and Technology, Tainan, Taiwan.
O22	09:42-09:55	Biological Significance of MCL-1 Upregulation in The Anti-Gastric Cancer Effect of Sulforaphane, The Bioactive Component of Cruciferous Vegetables 李佳璇 [1], 張嘉哲 [*1] Chia-Hsuan Li [1], Chia-Che Chang[*1] [1] Institute of Biomedical Sciences, National Chung-Hsing University, Taiwan
O23	09:55-10:08	Sertraline and paroxetine, two selective serotonin reuptake inhibitors, trigger mitochondrial damage-mediated astrocytes apoptosis via calcium overload 鄧志堅 [1,2], 劉高輝 [3,4], 廖名宣 [1], 鐘國軒 [5,6], 王家儀 [1,7], 沈芯伃 [*1,8,9] Chee-Kin Then[1,2], Kao-Hui Liu[3,4], Ming-Hsuan Liao[1], Kuo-Hsuan Chung[5,6], Jia-Yi Wang[1,7], Shing-Chuan Shen[*1,8,9] [1] Graduate Institute of Medical Sciences, College of Medicine, Taipei Medical University, Taipei, Taiwan [2] School of Medicine, College of Medicine, Taipei Medical University, Taipei, Taiwan [3] Department of Dermatology, Shuang Ho Hospital, Taipei Medical University, New Taipei City, Taiwan [4] Department of Pharmacology, College of Medicine, National Taiwan University, Taipei, Taiwan [5] Department of Psychiatry and Psychiatric Research Center, Taipei Medical University Hospital, Taipei, Taiwan [6] Department of Psychiatry, School of Medicine, College of Medicine, Taipei Medical University, Taipei, Taiwan [7] Department of Physiology, School of Medicine, College of Medicine, Taipei Medical University, Taipei, Taiwan [8] Department of Dermatology, School of Medicine, College of Medicine, Taipei Medical University, Taipei, Taiwan [9] International Master/Ph.D. Program in Medicine, College of Medicine, Taipei Medical University, Taipei, Taiwan

編號	時段	演講者 & 講題
O24	10:08-10:21	Benzo[a]pyrene affect AhR regulation via Nrf2 signaling in retinal pigment epithelium cells Yen-Ling Kuo[1] , Chi-Hao Tsai[1] , Yu-Wen Cheng[2] , Jaw-Jou Kang[1] [1]Graduate Institute of Toxicology, College of Medicine, National Taiwan University, Taipei, Taiwan [2]Department of Pharmacology, College of Medicine, Taipei Medical University, Taipei, Taiwan
O25	10:21-10:34	Evaluation of the Ganoderma effects in pain sensitivity of aging mice with the home-made tail flick instrument 林佳穎 [1], 李威儂 [1], 唐照明 [1], 招名威 [2], 曾嘉儀 [1] Chia-Ying Lin[1], Wei-Nong Li[1], Chao-Ming Tang[1], Ming-Wei Chao[2], Chia-Yi Tseng[1] [1] Chung Yuan Christian University Biomedical Engineering [2] Chung Yuan Christian University Bioscience Technology

台灣藥理學會

時間：107 年 3 月 24 日 (六) 09:30-10:20
地點：1 樓，第 1 教室
主持人：顏茂雄

編號	時段	演講者 & 講題
O26	09:30-09:45	A Low-Toxicity DNA-Alkylating N-Mustard-Quinoline Conjugate with Preferential Sequence Specificity Exerts Potent Antitumor Activity Against Colorectal Cancer 陳泰霖 [1,2,3], 林憶雯 [3], 陳彥伯 [2], 林敬哲 [4], 蘇燦隆 [3], 沈家寧 [1,2], 李德章 [3] Tai-Lin Chen[1,2,3], Yi-Wen Lin[3], Yan-Bo Chen[2], Jing-Jer Lin[4], Tsann-Long Su[3], Chia-Ning Shen[1,2], Te-Chang-Lee[3] [1]Institute of Biochemistry and Molecular Biology, National Yang-Ming University, Taipei, Taiwan [2]Genomics Research Center, Academia Sinica, Taipei, Taiwan [3]Institute of Biomedical Sciences, Academia Sinica, Taipei [4]Institute of Biochemistry and Molecular Biology, National Taiwan University College of Medicine, Taipei, Taiwan
O27	09:45-10:00	Heme Oxygenase-1 Induction by Rosiglitazone via PKCa/AMPKa/p38a MAPK/ SIRT1/ PPARg Pathway Suppresses Lipopolysaccharide-Mediated Pulmonary Inflammation 卓若羚 [1] 楊春茂 *[1] Rou-Ling Cho [1], Chuen-Mao Yang *[1] [1]Department of Physiology and Pharmacology and Health Ageing Research Center, College of Medicine, Chang Gung University, Kwei-San, Tao-Yuan, Taiwan
O28	10:00-10:15	Thermosensitive Magnetoliposome for Intravenous Delivery of Tissue Plasminogen Activator in Target Thrombolysis 劉志信 [1,2], 許皓隆 [3], 陳志平 [3], 馬蘊華 *[2] Chih-Hsin Liu[1,2], Hao-Lung Hsu[3], Jyh-Ping Chen[3], Yunn-Hwa Ma*[2] [1] Graduate Institute of Biomedical Sciences, [2] Department of Physiology and Pharmacology, [3]Department of Chemical and Materials Engineering and Biomedical Engineering Research Center, Chang Gung University, 259 Wenhua 1st Rd., Guishan Dist., Taoyuan 33302, Taiwan

中華民國免疫學會

時間：107 年 3 月 24 日 (六) 15:45- 16:45
地點：1 樓，可勝廳
主持人：沈家瑞

編號	時段	演講者 & 講題
O29	15:45-15:55	Galectin-9 Deficiency in Acinar Cells Leads to Impaired Autophagy which Prevents Experimental Acute Pancreatitis 呂學翰 , Janaki Sudhakar, 劉明哲 , 徐志文 * Hsueh Han Lu, Janaki Sudhakar, Ming Che Liu, Jr-Wen Shui* 中央研究院 , 生物醫學科學研究所 Institute of Biomedical Sciences, Academia Sinica, Taipei, Taiwan
O30	15:55-16:05	Fc ε RI γ -Chain Negatively Modulates Dectin-1 Responses in Dendritic Cells 潘毅耕 [1], 游燕伶 [2], 林季千 [3], Lewis L. Lanier [1,3], 朱清良 *[1] Yi-Gen Pan[1], Yen-Ling Yu[2], Chi-Chien Lin[3], Lewis L. Lanier[4,5], Ching-Liang Chu*[1] [1]Graduate Institute of Immunology, College of Medicine, National Taiwan University, Taipei, Taiwan [2]Institute of Molecular and Genomic Medicine, National Health Research Institutes, Miaoli County, Taiwan [3]Institute of Biomedical Sciences, National Chung Hsin University, Taichung, Taiwan [4]Department of Microbiology and Immunology, University of California San Francisco, San Francisco, CA, United States [5]The Parker Institute for Cancer Immunotherapy, University of California San Francisco, San Francisco, CA, United States
O31	16:05-16:15	ATF3 Joints IL22 to pSTAT3 Signalling to Maintain Intestinal Mucosal Homeostasis Doaa Glal [1, 2], Sudhakar Janaki [2], Ming-Che Liu [2], Yen-Chun Liu[2], Jr-Wen Shui[2,3] [1]Taiwan International Graduate Program in Molecular Medicine, National Yang-Ming University [2]Institute of Biomedical Sciences, Academia Sinica, Taipei, Taiwan [3]Corresponding author
O32	16:15-16:25	Galectin-9 Inhibits Lysosomal Membrane Permeabilization to Maintain Autophagy Flux and Prevent Crohn' s Risk Janaki N. Sudhakar[1,2], Hsueh-Han Lu[1,2], Ming-Che Liu[1], Chi-Shan Li[1], Fu-Tong Liu[1], Jr-Wen Shui[1,3] [1]Institute of Biomedical Sciences, Academia Sinica, Taipei, Taiwan [2]These authors contributed equally [3]Corresponding author
O33	16:25-16:35	Daxx regulates Wnt-dependent stem cell regeneration and tumor initiation in the intestine 劉明哲 , Sudhakar Janaki, 施修明 , Doaa Glal, 呂學翰 , 劉妍君 , 徐志文 * Ming-Che Liu, Sudhakar Janaki, Hsiu-Ming Shih, Doaa Glal, Hsueh-Han Lu, Yen-Chun, Liu, Jr-Wen Shui* 中央研究院生物醫學研究所 Institute of Biomedical Sciences, Academia Sinica, Taipei, Taiwan
O34	16:35-16:45	TRAIL-mediated suppression of T cell receptor signaling inhibits T cell activation and inflammation in experimental autoimmune encephalomyelitis 全以祖 [1,2], 蔡慧芬 [3], 許秉寧 * [4,5] I-Tsu Chyuan[1,2], Hwei-Fang Tsai[3], Ping-Ning Hsu* [4,5] [1] Graduate Institute of Clinical Medicine, National Taiwan University, Taipei, Taiwan [2] Gathay General Hospital, Taipei, Taiwan [3] Graduate Institute of Clinical Medicine, Taipei Medical University, Taipei, Taiwan [4] Graduate Institute of Immunology, National Taiwan University, Taipei, Taiwan. [5] Department of Internal Medicine, National Taiwan University Hospital, Taipei, Taiwan

中華民國臨床生化學會

時間：107 年 3 月 25 日 (日) 14:30-16:30
地點：3 樓，第 31 教室
主持人：方偉宏

編號	時段	演講者 & 講題
O35	14:30-14:50	Histone demethylase UTX counteracts glucocorticoid deregulation of osteogenesis by modulating histone-dependent and -independent pathways 連韋雄 [1,2], 郭繼陽 [3,4], 孫儀芝 [1,2], 王逢興 [1,2]* Wei-Shiung Lian[1,2], Jih-Yang Ko[3,4], Yi-Chih Sun[1,2], Feng-Sheng Wang[1,2*] [1]Department of Medical Research, Kaohsiung Chang Gung Memorial Hospital [2]Core Laboratory for Phenomics and Diagonistics, Department of Pediatrics, Kaohsiung Chang Gung Memorial Hospital [3]Graduate Institute of Clinical Medical Sciences, Chang Gung University College of Medicine, Kaohsiung Chang Gung Memorial Hospital [4]Department of Orthopedic Surgery, Kaohsiung Chang Gung Memorial Hospital
O36	14:50-15:10	NDST4 Suppresses Angiogenic Factor uPA through NF- κ B-Dependent Pathway in Colorectal Cancer 蕭羽芩 [1], 曾晟泰 [1], 饒梓明 [1], 邱士齊 [1], 蔡明宏 [2,3], 楊雅倩 [1,4] Yu-Chin Hsiao[1], Sheng-Tai Tzeng[1], Tzu-Ming Jao[1], Shih-Ci Ciou[1], Ming-Hong Tsai[2,3], Ya-Chien Yang[1,4*] [1]Department of Clinical Laboratory Sciences and Medical Biotechnology, National Taiwan University College of Medicine, Taipei, Taiwan [2]School of Medicine, Fu-Jen Catholic University, New Taipei City, Taiwan [3]Department of Surgery, Cardinal Tien Hospital, New Taipei City, Taiwan [4]Department of Laboratory Medicine, National Taiwan University Hospital, Taipei, Taiwan
O37	15:10-15:30	Tributyrin attenuates angiotensin II-induced abdominal aortic aneurysm in LDLR -/- mice 林植培 [1,2*], 陳嘉雄 [3] Chih-Pei Lin [1,2*],Jia-Shiog Chen [3] [1] Division of Central Laboratory, Department of Pathology and Laboratory Medicine, Taipei Veterans General Hospital, Taipei, 11217, Taiwan [2] Department of Biotechnology and Laboratory Science in Medicine and Institute of Biotechnology in Medicine, National Yang-Ming University, Taipei, 11217, Taiwan [3] Institute of Clinical Medicine, National Yang-Ming University, Taipei, 11221, Taiwan
O38	15:30-15:50	MTAP Deficiency Promotes Lung Cancer Metastasis via Demethylating and Stablizing Vimentin Protein 張文馨 [1], 陳誼如 [2], 陳璿宇 [3], 陳玉如 [2], 楊泮池 [1]*, 俞松良 [4]* Wen-Hsin Chang[1], Yi-Ju Chen[2], Hsuan-Yu Chen[3], Yu-Ju Chen[2], Pan-Chyr Yang[1]*, Sung-Liang Yu[4]* [1]Institute of Molecular Medicine, National Taiwan University College of Medicine, Taipei, Taiwan [2]Institute of Chemistry, Academia Sinica, Taipei, Taiwan [3]Institute of Statistical Science, Academia Sinica, Taipei, Taiwan [4]Department of Clinical Laboratory Sciences and Medical Biotechnology, National Taiwan University College of Medicine, Taipei, Taiwan
O39	15:50-16:10	MicroRNA-29a Counteracts Synovitis in Knee Osteoarthritis Pathogenesis by Targeting VEGF 謝進貴 [1,2], 陳于珊 [1,2], 郭繼陽 [3,4] , 王逢興 [1,2*] Chin-Kuei Hsieh[1,2], Yu-Shan Chen[1,2], Jih-Yang Ko[3,4], Feng-Sheng Wang[1,2*] [1]Department of Medical Research, Kaohsiung Chang Gung Memorial Hospital [2]Core Laboratory for Phenomics and Diagonistics, Department of Pediatrics, Kaohsiung Chang Gung Memorial Hospital [3]Graduate Institute of Clinical Medical Sciences, Chang Gung University College of Medicine, Kaohsiung Chang Gung Memorial Hospital [4]Department of Orthopedic Surgery, Kaohsiung Chang Gung Memorial Hospital

中華民國毒物學學會

時間：107 年 3 月 25 日 (日) 08:55-10:15
地點：2 樓，第 29 教室
主持人：姜至剛

編號	時段	演講者 & 講題
O40	08:55-09:08	Roles of XBP1s on Palmitic acid-Induced Lipotoxicity in Endothelium Cai-Qin Xiao, Jia Rong Jheng, Chih Kang Chiang National Taiwan University
O41	09:08-09:21	The roles of uremic toxin early elimination on AKI to CKD transition 陳佳煌 [1], 劉興華 [1], 姜至剛 [*1,2,3] Jia-huang Chen[1], Shing-Hwa Liu[1], Chih-Kang Chiang[*1,2,3] [1]Graduate Institute of Toxicology, National Taiwan University, College of medicine, Taipei, Taiwan [2] Department of Internal Medicine, National Taiwan University Hospital, Taipei, Taiwan [3]Department of Integrated Diagnostics & Therapeutics, National Taiwan University Hospital, Taipei, Taiwan
O42	09:21-09:34	Aryl Hydrocarbon Receptor Deficiency Promote Insulin-like Growth Factor 1 Receptor Pathway in Bleomycin-induced Pulmonary Fibrosis 吳昇懋 [1], 許美鈴 [1,2*] Sheng-Mao Wu [1], Meei-Ling Sheu [1,2*] [1]Institute of Biomedical Sciences, National Chung Hsing University, Taichung, Taiwan; [2]Department of Medical Research, Taichung Veterans General Hospital, Taichung, Taiwan
O43	09:34-09:47	GluR1 Enhances the Tumorigenicity of Glioma 林士幃 [1], 劉高輝 [2], 沈芯伃 [1] Shih-Wei Lin[1], Kao-Hui Liu[2], Shing-Chuan Shen[1] [1]Graduate Institute of Medical Sciences, Taipei Medical University, Taipei 11031, Taiwan [2]Department of Dermatology, Shuang Ho Hospital, Taipei Medical University, New Taipei City, Taiwan
O44	09:47-10:00	Interaction with STAT3 is Critical for AhR-mediated Occludin Repression in Gastric Cancer 謝宜真 [1], 許美鈴 [1*] I-Chen Hsieh [1], Meei-Ling Sheu [1*] [1] Institute of Biomedical Sciences, College of Life Sciences, National Chung Hsing University, Taichung, Taiwan
O45	10:00-10:13	Cerium Oxide Nanoparticles Attenuate Peritoneal Dissemination via Sulfhydration of The Phosphatase PTP1B 沈軒宇 [1], 許美鈴 [*1] Hsuan-Yu Shen[1], Meei-Ling Sheu[*1] [1] Institute of Biomedical Sciences, College of Life Sciences, National Chung Hsing University, Taichung, Taiwan

中國生理學會

時間：107 年 3 月 25 日 (日) 08:30-10:00
地點：1 樓，第 2 教室
主持人：余佳慧

編號	時段	演講者 & 講題
O46	08:30-08:45	Mechanisms of MLCK induced-barrier defect of Epithelial Cells under Proinflammatory Cytokines stress Yu-Chen Pai#, Linda Chia-Hui Yu* 白宇辰 [1#] 余佳慧 [1*] [1]Graduate Institute of Physiology, National Taiwan University College of Medicine
O47	08:45-09:00	Induction of pyruvate dehydrogenase kinase 1 by hypoxia alters glucose metabolism and inhibits apoptosis in endometriotic stromal cells 李脩琦 [1], 林世杰 [2], 吳孟興 [*3], 蔡少正 [*1,2,] Hsiu-Chi Lee[1], Shih-Chieh Lin[2], Meng-Hsing Wu[3]*, and Shaw-Jenq Tsai[1, 2]* [1]Institute of Basic Medical Sciences, [2]Department of Physiology, and [3]Department of Obstetrics and Gynecology, College of Medicine, National Cheng Kung University, 1 University Road, Tainan 70101, Taiwan
O48	09:00-09:15	miR-196a enhances neuronal morphology through suppressing RANBP10 to provide neuroprotection in Huntington's disease Chih-Yi Chang[1#], Shang-Hsun Yang[1 *] 張智怡 [1#]、楊尚訓 [1 *] [1]Department of Physiology, College of Medicine, National Cheng Kung University, Taiwan
O49	09:15-09:30	Perturbation of central amygdala neuron excitability reduces pain- and anxiety-like behaviors 林昱伶 [1], 黃慧怡 [1], 連正章 [*1,2] Yu-Ling Ling[1], Wai-Yi Wong[1], Cheng-Chang Lien[*1,2] [1]Institute of Neuroscience, National Yang-Ming University, Taipei 112, Taiwan. [2]Brain Research Center, National Yang-Ming University, Taipei 112, Taiwan.
O50	09:30-09:45	The Effect of Sarcosine in the Amelioration of Schizophrenia-Related Behavioral and Cognitive Deficits in Mouse Models of NMDAR Hypofunction 裴如淳 [1] , 洪瑋儷 [1], 賴文崧 [1,2,3] Ju-Chun Pei[1], Wei-li Hung [1], Wen-Sung Lai [1, 2, 3] [1] Department of Psychology, National Taiwan University, Taipei, Taiwan [2] Graduate Institute of Brain and Mind Sciences, National Taiwan University, Taipei, Taiwan [3] Neurobiology and Cognitive Science Center, National Taiwan University, Taipei, Taiwan
O51	09:45-10:00	Sperm DNA integrity is compromised in the teratozoospermic patients carried SEPTIN14 mutation 汪雅雲 [1, 2, #] , 賴宗炫 [3,4], 江漢聲 [1,4], 郭保麟 [5], 林盈宏 [1, *] Ya-Yun Wang[1, 4], Tsung-Hsuan Lai[2,3], Han-Sun Chiang[3,4], Pao-Lin Kuo[5], Ying-Hung Lin[4] [1]Graduate Institute of Biomedical and Pharmaceutical Science, Fu-Jen Catholic University, Taiwan [2]Department of Chemistry, Fu Jen Catholic University, Taiwan [3]Department of Obstetrics and Gynecology, Cathay General Hospital, Taiwan [4]School of Medicine, Fu-Jen Catholic University, Taiwan [5]Department of Obstetrics & Gynecology, National Cheng Kung University, Taiwan

中華民國解剖學學會

時間：107 年 3 月 25 日 (日) 09:00-10:00
地點：3 樓，第 32 教室
主持人：鄭珈毘

編號	時段	演講者 & 講題
O52	09:00-09:10	The role of BK channel in radiation resistance in glioblastoma 劉嬋娟 [1], 葉怡君 [2], 鄧志娟 [3, 4], 吳勝男 [5], 司君一 [1, 6] Chan-Chuan Liu[1], I-Chun Yeh[2], Chih-Chuan Teng[3, 4], Sheng-Nan Wu[5] , Chun-I Sze[1,6] [1] Institute of Basic Medicine, College of Medicine, College of Medicine, National Cheng Kung University, Tainan, Taiwan [2] Department of Radiation Oncology, Kuo General Hospital, Tainan, Taiwan [3] Department of Nursing, Chang Gung University of Science and Technology, Chiayi, Taiwan [4] Chronic Diseases and Health Promotion Research Center, CGUST, Chiayi, Taiwan [5] Department of Physiology, College of Medicine, National Cheng Kung University, Tainan, Taiwan [6] Department of Cell Biology and Anatomy, College of Medicine, National Cheng Kung University, Tainan, Taiwan
O53	09:10-09:20	Preclinical Evaluation of the Small Molecule, NSC745887, for Treating Glioblastoma via Suppressing DcR3-associated Signaling Pathway 范立筠 [1], 陳瀅 [2], 馬國興 [*,2] Li-Yun Fann[1], Ying Chen[2],Kuo-Hsing Ma[*,2] [1] National Defense Medical Center, Graduate Institute of Medicine Science, Taipei City, Taiwan. [2] National Defense Medical Center, Department of Biology and Anatomy, Taipei City, Taiwan.
O54	09:20-09:30	A New Treatment for Peritoneal Fibrosis in Rats 黃峻暐 [1] , 葉長青 [2], 傅毓秀 [1*] Chun-Wei Huang[1] , Chang-Ching Yeh[2], Yu-Show Fu[1*] [1] Institute of Anatomy and Cell Biology, School of Medicine, Nation Yang-Ming University, Taipei [2] Department of Obstetrics and Gynecology, Taipei Veterans General Hospital, Taipei
O55	09:30-09:40	Engineered chondrocyte-cartilage matrix-PRP-thrombin graft for repair of cartilage defects 張簡芝穎 [1,2], 唐逸文 [*3], 李恒昇 [*4] Chih-Ying Changchien[1], Yih-Wen Tarng[*2], Herng-Sheng Lee[*3] [1]Dispensary, Air Force Academy, R.O.C Air Force [2]Department of Medicine, National Defense Medical Center, Taipei, Taiwan [3]Department of Orthopedics, Kaohsiung Veterans General Hospital, Kaohsiung, Taiwan [4]Department of Pathology and Laboratory Medicine, Kaohsiung Veterans General Hospital, Kaohsiung, Taiwan
O56	09:40-09:50	The role of miR-27a in the regulation of insulin/Akt signaling in liver 陳妍如 [1], 許書豪 [1] Yen-Ju Chen[1], Shu-Hao Hsu[1] [1]Department of Anatomy and Cell Biology, College of Medicine, National Taiwan University, Taipei, Taiwan
O57	09:50-10:00	14-3-3 Contributes to the Biogenesis of hERG K+ Channel 陳子元 , 鄭瓊娟 [*] Tzu-Yuan Chen, Chung-Jiuan Jeng[*] Institute of Anatomy and Cell Biology, School of Medicine, Yang-Ming University, Taipei, Taiwan

台灣生物化學及分子生物學學會

時間：107 年 3 月 25 日 (日) 09:00-10:00
地點：3 樓，第 33 教室
主持人：黃世明 / 張南山 / 戴明泓

編號	時段	演講者 & 講題
O58	09:00-09:15	Protease-Activated Receptor 2 Induces Migration And Promotes Slug-Mediated Epithelial-Mesenchymal Transition In Lung Adenocarcinoma Cells 蔡仲哲 [1], 周裕琁 [2,3], 傅化文 [*1,3] Chung-Che Tsai[1], Yu-Ting Chou [2,3], Hua-Wen Fu [*1,3] [1]Institute of Molecular and Cellular Biology, National Tsing Hua University, Hsinchu 30013, Taiwan, ROC [2]Institute of Biotechnology, National Tsing Hua University, Hsinchu 30013, Taiwan, ROC [3]Department of Life Science, National Tsing Hua University, Hsinchu 30013, Taiwan, ROC
O59	09:15-09:30	Stimulation Mechanism of SWI5-SFR1 on RAD51 Filament Formation 盧致豪 [1], 岩崎博史 [2], 冀宏源 [3], 李弘文 [*1] Chih-Hao Lu[1], Hiroshi Iwasaki[2,*], Peter Chi[3,*] and Hung-Wen Li[1,*] [1] Department of Chemistry, National Taiwan University, Taiwan [2] Graduate School of Bioscience and Biotechnology, Tokyo Institute of Technology, Japan [3] Institute of Biochemical Science, National Taiwan University, Taiwan
O60	09:30-09:45	p21-Activated Kinase 3 (PAK3) Regulates the Akt-GSK3b-b-Catenin Signaling Pathway in Pancreatic Cancer cells 吳星佑 [1,2], 楊明臻 [2], 黃柏憲 [3], 朱伯振 [2,4*], 陳慶士 [1,2,4*] Hsing-Yu Wu[1,2], Ming-Chen Yang[2], Po-Hsien Huang[3], Po-Chen Chu[2,4*], and Ching-Shih Chen[1,2,4*] [1]Institute of Biochemical Sciences, National Taiwan University, Taipei 106, Taiwan; [2]Institute of Biological Chemistry, Academia Sinica, Taipei 115, Taiwan; [3]Department of Biochemistry and Molecular Biology, College of Medicine, National Cheng Kung University, Tainan 701, Taiwan; [4]Institute of New Drug Development, China Medical University, Taichung 404, Taiwan.
O61	09:45-10:00	Survivin inhibits autophagy through expression modulation on Atg7 and physical interactions with Atg12-Atg5 conjugate, monomeric Atg12, and Atg5 in cancer cells 林子愉 [1], 詹琇涵 [1], Mohane Selvaraj Coumar[2], 張雋曦 [1,3 *] Tzu-Yu Lin[1], Hsiu-Han, Chan[1], Mohane Selvaraj Coumar[2], and Chun Hei Antonio Cheung[1,3 *] [1] Department of Pharmacology, College of Medicine, National Cheng Kung University, Tainan, Taiwan R.O.C. [2] Centre for Bioinformatics, School of Life Sciences, Pondicherry University, Kalapet, Puducherry 605014, India [3] Institute of Basic Medical Sciences, College of Medicine, National Cheng Kung University, Tainan, Taiwan R.O.C.

台灣生物化學及分子生物學學會

時間：107 年 3 月 25 日 (日) 12:30-13:30
地點：3 樓，第 33 教室
主持人：黃世明 / 張南山 / 戴明泓

編號	時段	演講者 & 講題
O62	12:30-12:45	Irreversible Inhibitors of PKM2 謝宜珊 [1], 吳香儀 [1, 2], 周繼琪 [1, 2], 吳文晉 [1, 2], 郭普拉 [1], 蔡明道 [1,2,3], 陳慶士 [*1,3,4] I-Shan Hsieh[1], Hsiang-Yu Wu[1,2], Chi-Chi Chou[1,2], Wen-Jin Wu[1,2], Balraj Gopul[1], Ming-Daw Tsai[1,2,3], Ching-Shih Chen[*1,3,4] [1] Institute of Biological Chemistry, Academia Sinica, Taipei 115, Taiwan; [2]Taiwan Protein Project , Academia Sinica, Taipei, Taiwan; [3]Institute of Biochemical Sciences, National Taiwan University, Taipei 106, Taiwan; [4]Institute of New Drug Development, China Medical University, Taichung 404, Taiwan.
O63	12:45-13:00	KRAS-Driven Dysregulation of STAT3/YY1 Promotes Oncogenic ZNF322A Activity 林哲仲 [1], 廖昇佑 [2], 黃士宣 [1], 鄭宏祺 [3], 劉校生 [4], 蘇五洲 [5], 王憶卿 [1,2] Che-Chung Lin[1], Sheng-You Liao[2], Shih-Hsuan Huang[1], Hung-Chi Cheng[3], Hsiao-Sheng Liu[4], Wu-Chou Su[5], and Yi-Ching Wang[1,2] [1]Department of Pharmacology, [2]Institute of Basic Medical Sciences, [3]Department of Biochemistry and Molecular Biology, [4]Department of Microbiology and Immunology, [5]Department of Internal Medicine, National Cheng Kung University, Tainan.
O64	13:00-13:15	Baculovirus IE2 organizes a clathrate cage-like apparatus capable for cross phylum gene transactivation 魏頌讚 [1,2], 蔡智瑄 [2,3], 徐偉婷 [1,2], 董嫚 [2,4], 張明皓 [2], 趙裕展 [*1,2,3,4,5,6] Sung-Chan Wei[1,2], Chih-Hsuan Tsai[2,3], Wei-Ting Hsu[1,2], Hsuan Tung[2,4], Ming-Hao Chang[2], and Yu-Chan Chao[1,2,3,4,5,6]†* [1]Graduate Institute of Life Sciences, National Defense Medical Center, Taipei, Taiwan [2]Institute of Molecular Biology, Academia Sinica, Taipei 115, Taiwan. [3]Molecular and Cell Biology, Taiwan International Graduate Program, Academia Sinica, Taipei 115, Taiwan. [4]Molecular and Biological Agricultural Sciences, Taiwan International Graduate Program, Academia Sinica, Taipei 115, Taiwan. [5]Department of Plant Pathology and Microbiology, College of Bioresources and Agriculture, National Taiwan University, Taipei 106, Taiwan. [6]Department of Life Sciences, College of Life Sciences, National Chung Hsing University, Taichung 402, Taiwan.
O65	13:15-13:30	Cholesteryl α-D-Glucoside Acyltransferase Characterization and Its Pivotal Role in Mediating Helicobacter pylori Adhesion 詹皓名 [1], 楊采蓁 [1], 陳奕齊 [1], 王麗麗 [1], 林俊宏 [*1] Hau-Ming Jan[1], Tsai-Chen Yang[1], Yi-Chi Chen[1], Lih-Lih Ong[1], Chun-Hung Lin [*1] [1]Institute of Biological Chemistry, Academia Sinica, Taipei, Taiwan

中華民國免疫學會

時間：107 年 3 月 25 日 (日) 09:00-10:00
地點：1 樓，可勝廳
主持人：李建國

編號	時段	演講者 & 講題
O66	09:00-09:10	MicroRNA-122 reduces NF-κB family member RelB and controls local and systemic inflammation in mice 許可勳 [1], 魏晉文 [1], 蘇意茹 [1], 周彤 [1], 楊馥蓁 [1], 周安平 [2,3], 陳念榮 [1], 徐嘉琳 [1], 呂春敏 *[1] Ke-Hsun Hsu[1], Chin-Wen Wei[1], Yi-Ru Su[1], Tung Chou[1], Fu-Chen Yang[1], Ann-Ping Tsou[2,3], Nien-Jung Chen[1], Chia-lin Hsu[1], and Chuen-Miin Leu *[1] [1]Institute of Microbiology and Immunology,[2]Department of Biotechnology and Laboratory Science in Medicine, and [3]VYM Genome Research Center, National Yang-Ming University, Taipei, Taiwan
O67	09:10-09:20	Immunomodulatory microparticle prevents innate lymphoid cells-mediated asthma through the induction of interferons 張麗萍 [1,2], 張雅貞 *[1,2] Christina Li-Ping Thio[1,2] and Ya-Jen Chang *[1,2] [1] Taiwan International Graduate Program in Molecular Medicine, National Yang-Ming University and Academia Sinica, Taipei, Taiwan [2] Institute of Biomedical Sciences, Academia Sinica, Taipei, Taiwan
O68	09:20-09:30	O-GlcNAcylation is Required for B Cell Homeostasis and Antibody Responses Jung-Lin Wu[1](吳忠霖), Ming-Feng Chiang[1](江明峰), Pan-Hung Hsu[2](許邦弘), Dong-Yen Tsai[1,3](蔡東諺), Kuo-Hsuan Hung[1](洪國軒), Ying-Hsiu Wang[4](王盈琇), Takashi Angata[5]*(安形高志), and Kuo-I Lin[1](林國儀)* [1] Genomics Research Center, Academia Sinica, Taipei 115, Taiwan (中研院基因體中心) [2] Department of Bioscience and Biotechnology, National Taiwan Ocean University, Keelung 202, Taiwan(國立海洋大學生命科學暨生物科技系) [3] Institute of Biochemistry and Molecular Biology, National Yang-Ming University, Taipei 112, Taiwan (國立陽明大學生物化學所) [4] Graduate Institute of Life Sciences, National Defense Medical Center, Taipei 114, Taiwan (國防大學生命科學研究所) [5] Institute of Biological Chemistry, Academia Sinica, Taipei 115, Taiwan(中研院生物化學所)
O69	09:30-09:40	Skin delipidization induces interleukin-33 production by keratinocytes and increases type 2 lymphoid cells accumulation 蔡鈞州 [1], 張雅貞 [1*] Chun-Chou Tsai[1] and Ya-Jen Chang[1*] [1]Institute of Biomedical Sciences, Academia Sinica, Taipei, Taiwan
O70	09:40-09:50	Anti-Dectin-2 monoclonal antibodies suppress Der p 2-induced TH2 cytokines production in DC and monocyte-depleted PBMC cocultures from asthma patients 陳明翰 [1,2], 黃明停 [3], 余文光 [1,4], 李信興 [5], 王家弘 [4,6], 謝世良 *[3,7,8,9] Ming-Han Chen[1,2], Ming-Ting Huang[3], Wen-Kuang Yu[1,4], Shinn-Shing Lee[5], Jia-Horng Wang[4,6], Shie-Liang Hsieh*[3,7,8,9] [1]Department of Medicine, National Yang-Ming University, Taipei, Taiwan [2]Division of Allergy, Immunology & Rheumatology, Department of Medicine, Taipei Veterans General Hospital, Taipei, Taiwan [3]Genomics Research Center, Academia Sinica, Taipei, Taiwan [4]Department of Chest Medicine, Taipei Veterans General Hospital, Taipei, Taiwan [5]Section of Allergy, Immunology, and Rheumatology, Department of Medicine, Cheng Hsin Rehabilitation Medical Center, Taipei, Taiwan [6]Critical Care, Far Eastern Memorial Hospital, Taipei, Taiwan [7]Institute of Clinical Medicine, National Yang-Ming University, Taipei, Taiwan [8]Department of Medical Research, Taipei Veterans General Hospital, Taipei, Taiwan [9]Institute for Cancer Biology and Drug Discovery, Taipei Medical University, Taiwan
O71	09:50-10:00	Identification of a novel inhibitor Cf-02 of NLRP3 Inflammasome and Autophagy signaling in systemic lupus erythematous 劉峰誠 [1,2], 賈淑敏 [3], 陳安 [4], 蔡依珊 [3], 李佳駿 [5,6], 黃旭山 [5,6], 簡皎芸 *[3] Feng-Cheng Liu [1,2], Chiao-Yun Chien [3], Shuk-Man Ka [3], Yi-Shan Tasi [3], Chia-Chung Lee [4,5], Hsu-Shan Huang [4,5], Ann Chen *[6] [1]Graduate Institute of Medical Science, National Defense Medical Center, Taipei 114, Taiwan, R.O.C. [2]Rheumatology/Immunology/Allergy, Tri-Service General Hospital, National Defense Medical Center, Taipei 114, Taiwan, R.O.C. [3]Graduate Institute of Aerospace and Undersea Medicine, National Defense Medical Center, Taipei, Taiwan. [4]Department of Pathology, Tri-Service General Hospital, Taipei, Taiwan, Republic of China [5]Graduate Institute of Cancer Biology and Drug Discovery, College of Medical Science and Technology, Taipei Medical University, Taipei 110, Taiwan, R.O.C. [6]School of Pharmacy, National Defense Medical Center, Taipei 114, Taiwan, R.O.C.

台灣分子生物影像學會

時間：107 年 3 月 25 日 (日) 14:30-16:45
地點：2 樓，第 20 教室
主持人：張正 / 蘇家豪 / 陳傳霖 / 柯瓊媛

編號	時段	演講者 & 講題
O72	14:30 - 14:48	Theranostic Boron/Gadolinium-containing Gold Nanoparticles for MRI and BNCT 林嘉嘉 [1], 彭馨蕾 [1], 謝昕樺 [1], 吳駿一 [1] Jia-Jia Lin [1], Shin-Lei Peng [1], Hsin-Hua Hsieh [1], Chun-Yi Wu [1] [1] Department of Biomedical Imaging and Radiological Science, China Medical University, Taichung, Taiwan
O73	14:49 – 15:07	Nd3+ sensitized core-shell-shell nanocomposites loaded with IR806 dye for photothermal therapy and up-conversion luminescence imaging by a single wavelength NIR light irradiation 林學良 [1], 陳姿蓉 [1], 張正 [1,2,3]* Syue-Liang Lin[1], Zi-Rong Chen [1], C. Allen Chang[1,2,3]* [1] Department of Biotechnology and Laboratory Science in Medicine, [2] Department of Biomedical Imaging and Radiological Sciences, [3] Biophotonics & Molecular Imaging Research Center (BMIRC), National Yang-Ming University, Taipei 112, Taiwan. E-mail: cachang@ym.edu.tw
O74	15:08 – 15:26	The therapeutic potential of mesenchymal stem cell derived exosomes in Alzheimer's disease 陳怡安 , 呂承烋 , 柯建志 , 劉仁賢 Yi-An Chen[1], Cheng-Hsiu Lu[2], Chien-Chih Ke[2,3], and Ren-Shyan Liu[2,3] [1]Institute of Clinical Medicine, National Yang-Ming University, Taiwan [2]Department of Biomedical Imaging and Radiological Sciences, National Yang-Ming University, Taiwan [3]Department of Nuclear Medicine and National PET/Cyclotron Center, Taipei Veterans General Hospital
O75	15:27 – 15:45	Nature product (MH1024) Induces Hepatic Stellate Cells Apoptosis and Inhibits Liver Fibrosis in Mice 李群雅 [1], 許銘華 [2], 廖宜真 [*1] Chun-Ya Lee[1], Ming-Hua Hsu, Yi-Jen Liao[*1] [1]School of Medical Laboratory Science and Biotechnology, Collage of Medical Science and Technology, Taipei Medical University, Taipei, Taiwan [2]Nuclear Science & Technology Development Center, National Tsing Hua University, Hsinchu, Taiwan
O76	15:46 – 16:04	Monitoring and integration of radiation doses from medical exposure 杜俊元 [1,2], 陳素秋 [2], 楊斐適 [2], 吳東信 [*1] Chun-Yuan Tu[1,2], Su-Chiu Chen[2], Fei-Shih Yang[2], Tung-Hsin Wu[*1,] [1]Department of Biomedical Imaging and Radiological Sciences, National Yang Ming University, Taipei, Taiwan [2]Department of Radiology, Mackay Memorial Hospital, Taipei, Taiwan
O77	16:05 – 16:23	Metabolic Enzyme MTHFD2 Promotes Lung Cancer Stem Cell Properties by Maintaining Redox Balance 詹淳浩 [1], 魏鴻健 [2], 鄧文炳 [3] Chun-Hao Chan[1], Hong-Jian Wei[2], Win-Ping Deng[3] [1] Graduate Institute of Biomedical Materials and Tissue Engineering, College of Biomedical Engineering, Taipei Medical University, Taipei, Taiwan [2] School of Dental Technology, College of Oral Medicine, Taipei Medical University, Taipei, Taiwan [3] School of Dentistry, College of Oral Medicine, Taipei Medical University, Taipei, Taiwan

JACBS Joint Annual Conference of Biomedical Science

33 屆 生物醫學聯合學術年會

2018 The 33rd Joint Annual Conference of Biomedical Science

看板論文目錄
Titles of the Poster Presentations

A 3/24 上午組 B 3/24 下午組
C 3/25 上午組 D 3/25 下午組

看板論文張貼資訊

各學會展示地點請參照大會平面配置圖
壁報論文編號及時段

2018/03/24	論文張貼時間	展示時間	報告者現場解說時間	拆除時間
上午組	9:00 ~ 9:30	9:30~13:00	12:00~13:00	13:10 以前
下午組	13:20~13:30	13:30~17:00	13:30~14:30	17:10 以前

2018/03/25	論文張貼時間	展示時間	報告者現場解說時間	拆除時間
上午組	8:30 ~ 9:00	9:00~12:30	11:30~12:30	12:40 以前
下午組	12:50~13:30	13:30~17:00	13:30~14:30	17:10 以前

看板論文張貼時段

學會	3/24 上午組	3/24 下午組	3/25 上午組	3/25 下午組	合計篇數
中華民國細胞及分子生物學學會	CM001- CM054 (54 篇)	CM055-CM67 CM069-CM108 (53 篇)	CM109-CM162 (54 篇)	CM163-CM213 (51 篇)	212 篇
中華民國臨床生化學會	CB001-CB021 (21 篇)	CB022-CB034 (13 篇)			34 篇
中華民國毒物學學會	TX001-TX027 (27 篇)		TX028-TX054 (27 篇)	TX055-TX080 (26 篇)	80 篇
中國生理學會	PY001-PY051 (51 篇)	PY052-PY102 (51 篇)	PY103-PY153 (51 篇)	PY154-PY201 (48 篇)	201 篇
台灣藥理學會	PH001-PH034 (34 篇)	PH035-PH067 (33 篇)	PH068-PH101 (34 篇)	PH102-PH132 (31 篇)	132 篇
中華民國解剖學學會	AN001-AN016 (16 篇)	AN017-AN032 (16 篇)	AN033-AN048 (16 篇)	AN049-AN064 (16 篇)	64 篇
台灣生物化學及分子生物學學會	BC001-BC047 (47 篇)	BC048-BC094 (47 篇)	BC095-BC141 (47 篇)	BC142-BC186 (45 篇)	186 篇
中華民國免疫學會	IM001-IM009 (9 篇)	IM010-IM019 (10 篇)	IM020-IM029 (10 篇)	IM030-IM039 (10 篇)	39 篇
台灣分子生物影像學會	MI001-MI008 (8 篇)	MI009-MI015 (7 篇)	MI016-MI023 (8 篇)	MI024-MI030 (7 篇)	30 篇
合計篇數	267 篇	230 篇	247 篇	234 篇	978 篇

A 3/24 上午組 中華民國細胞及分子生物學學會

海報編號	論文題目
CM001	Intracellular galectin-9 facilitates T cell activation through regulating TCR downstream signaling 陳恒儀 , 周峰正 , 葉禮慈 , 劉扶東 , 司徒惠康 Heng-Yi Chen, Feng-Cheng Chou, Li-Tzu Yeh, Fu-Tong Liu, Huey-Kang Sytwu
CM002	KAP1 Serves as a Scaffold Protein for HP1α and PIASy in HP1α SUMOylation for Nascent Chromatin Targeting 林珮綸 , 葉昱妏 , 楊文明 , 姚雅莉 Pei-Lun Lin, Yu-Wen Yeh, and Wen-Ming Yang, and Ya-Li Yao
CM003	Tyrosine Phosphorylation of Lamin A by Src Regulates the Structure of Nuclear Lamina 褚璟彤 , 陳羿璇 , 范嘉榕 , 陳鴻震 Ching-Tung Chu, Yi-Hsuan Chen, Jia-Rong Fan, Hong-Chen Chen
CM004	Effects of Traditional Chinese Herbs on the Hs00 Gene Expression in Triple Negative Breast Cancer Cells 陳柔安 , 王致又 , 邱仁輝 Jou-An Chen, Jir-You Wang, Jen-Hwey Chiu
CM005	GEF-X is an independent prognostic factor of gastric cancer associated with cancer stem cell development and radioresistance using multi-Omics data 辜佳慧 , 祁祥正 , 林光輝 , 王嘉修 Chia-Huie Gu, Hsiang-Cheng Chi, Kwang-Huei Lin, Chia-Siu Wan
CM006	Characterization of TIAM-1 in neuronal polarization 林芷嫻 , 歐展言 Chih-Hsien Lin, Chan-Yen Ou
CM007	The intracellular and extracellular role(s) of YES-associated protein in oral carcinogenesis 張筑涵 , 謝子勤 , 蔡森田 , 吳梨華 * Chu-Han Chang, Tzu-Chin Hsieh, Sen-Tien Tsai, and Li-Wha Wu*
CM008	Research on coumarin derivatives in KRAS mutation colon cancer inhibition 王若珊 , 林美香 , 卓爾婕 * Jou-Shan Wang, Mei-Hsiang Lin, Er-Chieh Cho
CM009	Kisspeptin Agonist - KP10 Inhibits Cell Motility and Downregulates MMP2/9 Expression in Endometrial Cancer Cell Lines. 陳範雯 , 邱唯榕 , 吳憲銘 Fan-Wen Chen, Wei-Jung Chiu, Hsien-Ming Wu
CM010	Upregulation of Tumor Endothelial Marker 1 Expression by Insulin-like Growth Factor-1 in Keloid Fibroblasts via IGF-1R/Akt/mTOR Pathway 古雅竺 , 王冠傑 , 洪翌凱 , 施桂月 , 吳華林 Ya-Chu Ku, Kuan-Chieh Wang, Yi-Kai Hong, Guey-Yueh Shi, Hua-Lin Wu

海報編號	論文題目
CM011	Effect of Diacetyl-Alpha-MSH on the Expression of Coloration Related Genes in Chromatophores of Tilapia (Oreochromis mossambicus) at Different Culture Periods 劉昌奇 , 魏熒志 , 黃嚴陞 , 許誼晨 , 張雲祥 , 黃尉東 * Chang-Chi Liu, Ying-Chih Wei, Yen-Sheng Huang, Yi-Chen Hsu, Yun-Shiang Chang, Wei-Tung Huang*
CM012	Electrical Stimulation Affected the Morphology, Coloration and Expression of Related Genes in Zebrafish (Danio rerio) Chromatophores in Vitro 王薏婷 , 魏詠欣 , 李芸廷 , 李采諭 , 張雲祥 , 黃尉東 * Yi-Ting Wang, Yong-Sin Wei, Yun-Ting Lee, Cai-Yul Lee, Yun-Shiang Chang, and Wei-Tung Huang*
CM013	Analysis of the Morphology and Migration of Tilapia Chromatophores Xenografted into Zebrafish Larvae 曾詠萱 , 賴德豪 , 葉威廷 , 李采諭 , 李泰林 , 黃尉東 * Yong-Hsuan Zong, De-Hao Lai, Wei-Ting Yeh, Cai-Yul Lee, Tai-Lin Lee, Wei-Tung Huang*
CM014	The study of how secondary messengers and protein kinases regulate neuronal polarize trafficking 鍾昭慶 , 歐展言 Jhao-Ching Jhong, Chan-Yen Ou
CM015	Pure Extract of Momordica charantia Inhibits the Growth and Metastasis in Breast Cancer MDA-MB-231 廖佳偉 , 潘湘如 , 張宏泰 , 王耀霆 , 鄭竣亦 , 高佑靈 Chia-Wei Liao, Hsiang-Ju Pan, Hong-Tai Chang, Yao-Ting Wang, Shi-Yie Cheng, Yu-Lin Kao
CM016	Effect of antagonized peptides derived from CXCL12 on lung cancer tumorigenesis 許維忠 , 許豪仁 , 江信仲 * Wei-Chung Hsu1, Hao-Jen Hsu2, Shinn-Jong Jiang*
CM017	The Singal Pathway Underlying the Enhancement of Neurite Outgrowth of Motor Neurons by a Secreted Protein from Muscle Cells 吳嘉倫 , 林正勇 , 蔡懷楨 * Chia-Lun Wu, Cheng-Yung Lin, Huai-Jen Tsai*
CM018	The Survey of Useful Biomarkers for Diagnosis and Progression of Renal Cell Carcinoma. 蘇莓茵 , 何嘉益 , 吳嘉倫 , 于承平 , 于大雄 Mei-Yin Su, Jar-Yi Ho, Chia-Lun Wu, Cheng-Ping Yu, Dah-Shyong Yu
CM019	Magnet Halbach Arrays Induce Cell Cycle Redistribution of Cancer Cells 鍾珉哲 , 陳健章 , 劉淑貞 Min-Che Chung, Chien-Chang Chen, Shu-Chen Liu
CM020	Phenylthiourea (PTU) Affected the Morphology, Coloration, and Bioactivity Activity of Tilapia (Oreochromis mossambicus) Chromatophores In Vitro 嚴陞 , 葉威廷 , 魏熒志 , 劉昌奇 , 張雲祥 , 李泰林 , 黃尉東 * Yan-Sheng Huang, Wei-Ting Yeh, Ying-Chih Wei, Chang-Chi Liu, Yun-Shiang Chang, Tai-Lin Lee, Wei-Tung Huang*

海報編號	論文題目
CM021	WGS Data Analysis for the Genetic Diagnosis of Rare Diseases: Digenic Recessive Mutations of CDH23 and MYO7A in a Patient with Eye Abnormalies, Hearing Impairment and Hypotonia 林永豐 , 靖永皓 , 鄭彥甫 , 翁惠瑩 , 吳雅博 , 蔡世峯 , 林炫沛 Yung-Feng Lin, Yung-Hao Ching, Yen-Fu Cheng, Hui-Ying Weng, Albert Y. Wu5, Shih-Feng Tsai and Shuan-Pei Lin
CM022	Therapeutic targeting tumor progression locus-2 (TPL2)/activating transcription factor-4 (ATF4)/chemokine stromal cell-derived factor-α (SDF1α) axis suppresses diabetic retinopathy 賴德偉 , 林耿弘 , 許惠恒 , 李茂榮 , 陳崇禹 , 李文珍 , 洪義文 , 莊宗儒 , 劉興華 , 許美鈴 De-Wei Lai, Meei-Ling Sheu
CM023	Decreased Expression of Autophagy Protein LC3 and Stemness (CD44+/CD24−/low) Indicate Poor Prognosis in Triple-Negative Breast Cancer 張淑娟 , 歐陽賦 , 杜鴻賓 , 林智鴻 , 黃書鴻 , 關郁恩 , 侯明鋒 , * 蔡志仁 , ** 關皚麗 Shu-Jyuan Chang, Fu Ou-Yang, Hung-Pin Tu, Chih-Hung Lin, Shu-Hung Huang, Joanna Kostoro, Ming-Feng Hou, *Chee-Yin Chai, **Aij-Lie Kwan
CM024	Epigenetic regulation of LDHA dictates the gemcitabine resistance in pancreatic cancer 邱慶豐 , 陳立宗 Ching-Feng Chiu, Li-Tzong Chen
CM025	Role of Dengue Virus Envelope Protein Domain III in Megakaryopoiesis Suppression 林冠伶 , 張新侯 , 連德昇 , 諶伯綱 , 詹昊 , 蘇美慈 , 廖基元 , 孫德珊 * Guan-Ling Lin, Hsin-Hou Chang, Te-Sheng Lien, Po-Kong Chen, Hao Chan, Mei-Tzu Su, Chi-Yuan Liao, Der-Shan Sun*
CM026	MiR-31-5p-ACOX1 Axis Enhances Tumorigenic Fitness in Oral Squamous Cell Carcinoma Via the Promigratory Prostaglandin E2 賴儀瑄 , 劉軒 , 譚賢明 * Yi-Hsuan Lai, Hsuan Liu, and Bertrand Chin-Ming Tan*
CM027	Human microcephaly protein RTTN interacts with STIL and is required to build full-length centrioles 陳歆怡 , 吳千鼎 , 張潔如 , 林以楠 , 王琬菁 , 唐堂 Hsin-Yi Chen, Chien-Ting Wu, Chieh-Ju C. Tang, Yi-Nan Lin, Won-Jing Wang & Tang K. Tang
CM028	Tumor Endothelial Marker 1 (TEM1/endosialin/CD248) Enhances Wound Healing by Interacting with Platelet-Derived Growth Factor Receptor 洪翌凱 , 李曜洲 , 許釗凱 , 賴昭翰 , 林淑華 , 施桂月 , 鄭琮霖 , 吳華林 ,* Yi-Kai Hong, Yao-Chou Lee, Chao-Kai Hsu, Chao-Han Lai, Shu-Wha Lin, Guey-Yueh Shi, Tsung-Lin Cheng, Hua-Lin Wu*
CM029	The Analysis and Research of Anti-Inflammatory Peptides in Pinellia ternate 黃郁雯 , 李佳橙 , 羅欣宜 , 侯庭鏞 , 項千芸 Yu-Wen Huang, Chin-Yi Cheng, Hsin-Yi Lo, Tin-Yun Ho, Chien-Yun Hsiang
CM030	Manipulating Cellular Activities Using an Ultrasound−Chemical Hybrid Tool 范景翔 , 黃耀燊 , 黃薇恩 , 李昱賢 , 何聲揚 , 高毓霖 , 王翠翎 , 連晏苓 , 王宗興 , 葉秩光 , 林玉俊 Ching-Hsiang Fan, Yao-Shen Huang, Wei-En Huang, Albert Alexander Lee, Sheng-Yang Ho,Yu-Lin Kao, Cuei-Ling Wang, Yen-Ling Lian, Tasuku Ueno, Tsung-Shing Andrew Wang,Chih-Kuang Yeh, Yu-Chun Lin

海報編號	論文題目
CM031	Ceramides Antagonize Glutamate-induced Glucose Uptake on Primary Neurons 黃日昇 , 林炎壽 Rih-Sheng Huang, Yenshou Lin
CM032	CCAAT/enhancer-binding protein delta promotes intracellular lipid accumulation in M1 macrophages of vascular lesions 賴弘岳 , 許玲維 , 蔡欣樺 , 羅玉枝 , 楊尚訓 , 劉秉彥 , 王育民 Hong-Yue Lai, Ling-Wei Hsu, Hsin-Hwa Tsai, Yu-Chih Lo, Shang-Hsun Yang, Ping-Yen Liu, Ju-Ming Wang
CM033	ARF guanine-nucleotide exchange factor BIG1 and BIG2 affect VEGF secretion and angiogenesis 王意婷 , 盧福翊 , 李純純 Ying-Ting Wang, Fu-Yi Lu, Chun-Chun Li
CM034	Cancer-associated Fibroblast-induced Interleukin-32 in Tumor Microenvironment Contributes to the Promotion of Head and Neck Cancer 黃詩茜 , 聶鑫 Shih-Chien Huang, Shin Nieh
CM035	The Synergistic Effects of Exposure to Alcohol, Nicotine and Arecoline Contribute to the Progression of Head and Neck Squamous Cell Carcinoma 陳煒竣 , 聶鑫 Wei-Jyun Chen, Shin-Nieh
CM036	The Combination Of Astragalus Membranaceus And Angelica Sinensis Inhibits Lung Cancer And Cachexia Through Anti-inflammatory And Immunomodulatory Functions 吳宗翰 , 葉光揚 , 王正旭 , 李宗璘 , 詹伊琳 , 吳彰哲 Tsung-Han Wu, Kun-Yun Yeh, Cheng-Hsu Wang, Tsung-Lin Li, Yi-Lin Chan, Chang-Jer Wu
CM037	Pten haplo-deficiency drives liver tumor initiation and progression in the microRNA-122a null mice via expansion of periportal hepatocyte-like cells 涂瑋玲 , 鄒安平 , 游麗如 , 陳俊銘 Wei-Ling Tu , Ann-Ping Tsou, Li-Ru You, Chun-Ming Chen
CM038	KLF10 loss in the pancreas provokes activation of SDF-1 and induces distant metastases of pancreatic ductal adenocarcinoma in the KrasG12D p53flox/flox model 翁靖傑 , John R. Hawse, Malayannan Subramaniam, 張虹書 , 于重元 , 洪文俊 , 陳立宗 , 鄭光宏 Ching-Chieh Weng, John R. Hawse, Malayannan Subramaniam , Vincent H.S. Chang, Winston C.Y. Yu, Wen-Chun Hung, Li-Tzong Chen, Kuang-Hung Cheng
CM039	Effect of LinXin prescription on Colorectal Cancer Cell Lines 林雅鈴 , 葉婉君 , 姜中人 , 林麗娟 Ya-Ling Lin, Wan-Chun Yeh, Chung-jen Chiang, Li-jen Lin
CM040	HnRNPK promotes migration of triple negative breast cancer cells through Aurora-A independent manner 蔡欣妤 , 林照雄 Hsin-Yu Tsai, Chao-Hsiung Lin

海報編號	論文題目
CM041	Ubiquitination of MBNL1 is Required for its Cytoplasmic Localization and Functioning in Promoting Neurite Outgrowth 汪佩瑩 , 張貴婷 , 林郁玫 , 郭庭宇 , 王桂馨 Pei-Ying Wang, Kuei-Ting Chang, Yu-Mei Lin, Ting-Yu Kuo, Guey-Shin Wang
CM042	Cortex Dictamni Extract inhibits oxazolone-induced inflammation in HaCaT cells and mouse skin via NLRP3 inflammasome pathway 楊婷雅 , 黃蕙君 Ting-Ya Yang, Huey-Chun Huang
CM043	CCL22/CCR4 signaling axis participates in the crosstalk between oral cancer cells and microenvironment 張哲熒 , 黃俞瑄 , 蔡森田 , 吳梨華 * Che-Ying Chang, Yu-Hsuan Huang, Sen-Tien Tsai, Li-Wha Wu*
CM044	Biological significance of carbohydrate responsive element binding protein in urothelial carcinoma 吳佳霖 , 丁雅柔 , 張鴻議 , 周楠華 Chia-Lin Wu, Ya-Rou Ding, Hong-YI Chang, Nan-Haw Chow
CM045	Enhanced interaction of DDX3 and hnRNPK by DDX3 inhibitor promotes cell apoptosis upon DNA damage 陳喬哲 , 楊仁豪 , 林照雄 Chiao-CheChen, Jen-HaoYang, Chao-HsiungLin
CM046	Differentiation of MSCs from human iPSCs results in downregulation of c-Myc & DNA replication pathways with immunomodulation toward CD4 & CD8 cells 王麗姿 , 江世昇 , 丁僑萱 , 徐珮茹 , 張家齊 , 司徒惠康 , 劉柯俊 , 顏伶汝 Li-Tzu Wang, Shih-Sheng Jiang, Chiao-Hsuan Ting, Pei-Ju Hsu, Chia-Chi Chang, Huey-Kang Sytwu, Ko-Jiunn Liu, B. Linju Yen
CM047	The correlation between nerve growth factor and retinal dehydrogenase 16 expression in hepatocellular carcinoma cells 陳柏翰 , 蔡明憲 , 張慧柔 , 邱挺嘉 , 陳棟山 , 高英賢 Po-Han Chen, Ming-Shian Tsai, Huoy-Ro Chang, Ting-Chia Chiu, Dong-Shan Chen, Ying-Hsien Kao
CM048	E2F6-mediated ceRNA and epigenetic silencing of miR193a lead to cancer stemness and anti-cancer immunity in ovarian cancer 鄭學澤 , 林宏益 , 陳胤甄 , 黃子偉 , 黃瑞蘭 , 張家濱 , 林如胤 , 林靜雯 , 陳玠瑋 , 林孟儒 , 莊育銘 , 周建良 , 李沁 , 鄭詩樂 , 賴鴻政 *, 蔡自強 *, 吳淑芬 *, 陳永恩 * Frank H.C. Cheng, Hon-Yi Lin, Yin-Chen Chen, Tzy-Wei Hwang, Rui-Lan Huang , Chia-Bin Chang, Ru-Inn Lin, Ching-Wen Lin, Gary C.W. Chen, Jora M. J. Lin, Yu-Ming Chuang, Jian-Liang Chou, Chin Li , Alfred S.L. Cheng
CM049	Yes-associated Protein 1 regulates activation of Cancer-associated Fibroblasts 李柏儒 , 劉淑貞 Po-Ju Lee, Shu-Chen Liu
CM050	Glutamylation of ciliary axoneme regulates intraciliary trafficking and Hedgehog signaling 洪詩容 , 王翠翎 , 黃耀燊 , 張瑜真 , 張雅筑 , Ganesh V. Pusapati, 林俊宇 , 許寧 , 鄭曉琪 , 江玥蓁 , 黃薇恩 , Nathan C. Shaner, Rajat Rohatgi, Takanari Inoue, 林玉俊 Shi-Rong Hong, Cuei-Ling Wang, Yao-Shen Huang, Yu-Chen Chang, Ya-Chu Chang, Ganesh V. Pusapati, Chun-Yu Lin, Ning Hsu, Hsiao-Chi Cheng, Yueh-Chen Chiang, Wei-En Huang, Nathan C. Shaner, Rajat Rohatgi, Takanari Inoue, Yu-Chun Lin

海報編號	論文題目
CM051	Cardioprotection Induced in a Mouse Model of Neuropathic Pain via Anterior Nucleus of Paraventricular Thalamus 鄭義奮 , 張雅婷 , 陳瑋鑫 , 施希健 , 陳燕輝 , 徐百川 , 陳建璋 Yi-Fen Cheng, Ya-Ting Chang, Wei-Hsin Chen, Hsi-Chien Shih, Yen-Hui Chen, Bai-Chuang Shyu, Chien-Chang Chen
CM052	Overexpression of exogenous kidney-specific Ngal attenuates progressive cyst development and prolongs lifespan in a murine model of polycystic kidney disease 王怡人 , 邱元佑 , 鄭文義 , 林秀冠 , 林錫慧 , 秦咸靜 , 王繼廣 , 游上萱 , 蔡世傑 , 姜智穎 , 鄭博豪 , 林宏傑 , 蔣思澈 , 邱守茗 , 謝秀梅 Ellian Wang, Yuan-Yow Chiou, Wen-Yih Jeng, Hsiu-Kuan Lin, Hsi-Hui Lin, Hsian-Jean Chin, Chi-Kuang Leo Wang, Shang-Shiuan Yu, Shih-Chieh Tsai, Chih-Ying Chiang, Po-Hao Cheng, Hong-Jie Lin, Si-Tse Jiang, Sou-Tyau Chiu, Hsiu Mei Hsie
CM053	Cisplatin induces the Fanconi anemia and homologous recombination repair pathways to confer chemoresistant phenotype 何彥志 , 蘇文彬 , 吳政桂 , 許森惠 , 許嘉麟 , 張松彬 , 邱文泰 , 洪建中 , 劉宗霖 , 吳謂勝 , 吳沛宇 , 蘇五洲 , 蔡明道 , 廖泓鈞 * Yen-Chih Ho, Wen-Pin Su, Cheng-Kuei Wu, Sen-Huei Hsu, Jia-Lin Shiu, Jheng-Cheng Huang, Song-Bin Chang, Wen-Tai Chiu, Jan-Jong Hung, Tsung-Lin Liu5, Wei-Sheng Wu, Pei-Yu Wu, Wu-Chou Su, Jang-Yang Chang, Hungjiun Liaw
CM054	Cancer susceptibility to zero-valent iron-based nanotherapeutics is ferroptosis-dependent 黃光靖 . 魏耀揮 . 吳尚蓉 . 謝達斌 Kuang-Jing Huang, Yau-Huei Wei, Shang-Rung Wu, Dar-Bin Shieh

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CB001	Treatment of High-Energy Extracorporeal Shock Wave To Improves Functional Outcome Of Rotator Cuff With Shoulder Stiffness. 許雅鴻 , 連韋雄 , 王逢興 , 郭繼陽 Ya-Hung Hsu, Wei-Shiung Lian, Feng-Sheng Wang, Jih-Yang Ko
CB002	Development and Characterization of DNA Aptamers against beta-Bungarotoxin as Fluorescence Sensors for Detecting beta-Bungarotoxin, Coralyne and Heparin 殷耀德 , 張榮賢 Yao-De Yin, Long-Sen Chang
CB003	Retrospective Data Integration of HLA Database with Antibody Monitoring: Establishment of CPRA Calculator and Its Potential Application in Solid Organ Transplant in Taiwan 張浚凱 , 沈似紋 , 高義順 , 鄭碩珏 , 許品柔 , 劉斐雲 , 羅仕錡 Chun-Kai Chang, Szu-Wen Shen, Yi-Shun Gao, Shuo-Chueh Cheng, Pin-Jou Hsu, Fei-Yun Liu, Shyh-Chyi Lo
CB004	Regulation of collapsin response mediator protein-2 expression by glucose in colorectal cancer 陳煥雯 , 張懿欣 , 蕭明裕 Huan-Wen Chen, Yih-Hsin Chang, Ming-Yuh Shiau
CB005	Regulation of adipogenesis and lipid metabolism by miR-122 劉宗銘 , 蕭明裕 , 張懿欣 Tsung-Ming Liu, Ming-Yuh Shiau , Yih-Hsin Chang
CB006	Effects of PTEN-induced kinase 1 on lipid metabolism in hepatocytes 莊程傑 , 蕭明裕 , 張懿欣 Cheng-Chieh Chuang, Ming-Yuh Shiau, Yih-Hsin Chang
CB007	Participation of hormone-sensitive lipase in cell cycle progression 陳韻如 , 張懿欣 , 蕭明裕 Yun-Ju Chen, Yih-Hsin Chang, Ming-Yuh Shiau
CB008	Neuropeptide Y mediates glucocorticoid-induced osteoporosis and marrow adiposity in mice 吳欣龍 , 王紹育 , 孫儀芝 , 郭繼陽 , 王逢興 Shing-Long Wu, Shao-Yu, Wang, Yi-Chih Sun, Jih-Yang Ko, Feng-Sheng Wang*
CB009	Mitochondria Morphological Change And Metabolic Alteration In c-MET Mediated Drug Resistance 李晴 , 廖耿楸 , 蘇剛毅 Ching Li, Keng-Mao Liao, Kang-Yi Su
CB010	In vitro and in vivo studies on antitumor effect of a triterpenoid isolated from wild bitter melon on human adenocarcinoma AGS cells 蔡帛蓉 , 趙涓含 , 黃文程 、余俊賢 、劉俊仁 * Po-Jung Tsai*, , Chuan-Han Chao, Wen-Cheng Huang, Chun-Hsien Yu, and Jun-Jen Liu*
CB011	Simultaneous Measurement of Four Antiepileptic Drugs in Plasma Using Ultra-Performance Liquid Chromatography-Tandem Mass Spectrometry 黃雅卿 , 張永麟 , 林秀娜 , 吳禹利 , 林佳霓 , 甯孝真 * Ya-Ching Huang, Yung-Lin Chang, Siew-Na Lim, Tony Wu, Chia-Ni Lin, Hsiao-Chen Ning*
CB012	Spindle Assembly Checkpoint Regulation During Spermatogenesis In Worms and Mice 曾霓 , 陳尚暘 , 吳瑞菁 * Ni Tseng, Shang-Yang Chen, Jui-Ching Wu*
CB013	Investigating Centrosome Duplication Status during Male Meiosis in C.elegans. 陳柏任 , 吳瑞菁 Po-Jen Chen, Jui-Ching Wu
CB014	A Novel Scoring System for Pathogen Identification and Surveillance using Random Amplified Polymorphic DNA (RAPD) Digital Profiles 林瑋儒 , 董建億 , 顏慕庸 , 詹宇鈞 , 薛博仁 *, 林奇宏 * Wei-Ju Lin, Chien-Yi Tung, Yen Muh-Yong, Yu-Jiun Chan, Po-Ren Hsueh*, Chi-Hung Lin*
CB015	Identification of Contactin 4 as a Novel Tumor Suppressor and the Antitumor Potential of Soluble Contactin 4 in Colorectal Cancer 許翊萱 , 邱士齊 , 饒梓明 , 蕭聿昕 , 江紹瑜 , 李景行 , 黃晨烜 , 蔡明宏 , 楊雅倩 Yi-Hsuan Hsu, Shih-Ci Ciou, Tzu-Ming Jao, Yu-Xin Xiao, Shao-Yu Chiang, Jing-Xing Lee, Chen-Syuan Huang, Ming-Hong Tsai, Ya-Chien Yang
CB016	Improving Response Rate of Clinical Intervention within 90 Minutes for Critical values by a Computerized System 林宏澤 , 張永達 , 莊君威 , 王嬿婷 , 甯孝真 * Hung-Tse Lin, Yung-Ta Chang, Chun-Wei Chuang, Yen-Ting Wang, Hsiao-Chen Ning*

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CB017	Inhibitory Effects of the Botanical Alkyl Hydroquinone Derivative HQ17(3) on Philadelphia Chromosome Positive ALL SUP-B15 Cells. 周映辰 , 陳佳瑋 , 胡忠怡 * Yin-Chen Chou, Chia-Wei Chen, Chung-Yi Hu*
CB018	Genetic and Immune Profile Change in High-Fat Diet Fed Non-Small Cell Lung Cancer Mice for Precision Management 謝昀庭 , 簡民惠 , 蘇剛毅 Yun-Ting Hsieh, Min-Hui Chien, Kang-Yi Su
CB019	Characterization of LCRMP-1 Physiological Function by Gene Targeting Strategy 周佳樺 , 簡民惠 , 廖耿楸 , 楊泮池 , 蘇剛毅 * Chia-Hua Chou, Min-Hui Chien, Keng-Mao Liao, Pan-Chyr Yang, Kang-Yi Su*
CB020	Diagnostic accuracy of age-stratified strategies of the N-terminal pro–B-type natriuretic peptide (NT-proBNP) in the primary care settings: systematic review and meta-analysis 溫巧尼 , 王瑀 , 王碧娥 , 甯孝真 Chiao-Ni Wen, Yu Wang, Bi-Her Wang, Hsiao-Chen Ning
CB021	Target Validation of AZD0530 on Psoriasis Animal Model by Molecular Imaging Techniques 王美惠 *, 阮偉程 , 楊浚泓 , 吳梨華 * Mei-Hui Wang*, Wei-Cheng Juan, Chun-Hung Yang, Li-Wha Wu*

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TX001	CO-releasing molecules-2 attenuates angiotensin II-induced human aortic smooth muscle cell migration through inhibition of ROS/IL-6 generation and matrix metalloproteinases-9 expression 李宜達 I-TA LEE
TX002	The protective mechanisms of resveratrol on particulate matter-induced COX-2 expression in human fibroblast-like synoviocytes 莊筑鈞 , 李宜達 Chu-Chun Chuang, I-Ta Lee
TX003	Antioxidant and protective effects of N-acetylcysteine (NAC) on malathion-induced oxidative stress and cytotoxicity in human astrocytes 許書雄 , 梁維哲 Shu-Shong Hsu, Wei-Zhe Liang
TX004	Effect of acrolein on ribotoxic stress in human cancer cells 黃俊浩 , 林敬恆 , 陳彥廷 , 王湘翠 * Chun-Hao Huang, Jing-Heng Lin, Yen-Ting Chen, Hsiang-Tsui Wang*
TX005	Production of Monoclonal Antibody and Development of ELISA and Gold Nanoparticle Immunochromatographic Strip for Zearalenone 鐘唯恆 , 余豐益 Wei-Heng Chung, Feng-Yih Yu
TX006	Camphorataimide B inhibits metastatic capability of colon carcinoma via dysregulating cytoskeleton 洪嘉鴻 , 黃啟洲 , 王朝鐘 Chia-Hung Hung, Chi-Chou Huang, Chau-Jong Wang

海報編號	論文題目
TX007	Pterostilbene Protects UVB Combined with ZnO Nanoparticles-Induced Skin Damage through Downregulation of Inflammasome Activation 陳育瑩 , 陳容甄 , 王應然 * Yu-Ying Chen, Rong-Jane Chen, Ying-Jan Wang*
TX008	Vascular endothelial cells Preventive Effect of Nelumbo nucifera、Gallic acid via Targeting MiRNAs and Related Signals 鍾岱融 , 王朝鐘 Dai-Jung Chung, Chau-Jong Wang
TX009	The anti-inflammatory effect of sesamin derivative (S4) in human dermal fibroblasts 吳俊興 , 張尹涵 , 林沛穎 , 林子瑜 , 侯建維 , 江秀梅 , 溫國慶 Jyun-Shing Wu, Yin-Han Chang, Pey-Ying Lin, Tzu-Yu Lin, Rolis Chien-Wei Hou, Hsiu-Mei Chiang*, Kuo-Ching Wen*
TX010	Effects and Mechanisms of K36-6 for skin anti-melanogenesis 許文馨 , 施又菁 , 沈佳薇 , 陳逸泓 , 林屏 , 郭悅雄 , 江秀梅 *, 溫國慶 * Wen-Xi Hsu, Yu-Ching Shin, Jia-Wei Shen, Yi-HungChen, Ping Lin, Yueh-Hsiung Kuo, Hsiu-Mei Chiang*, Kuo-Ching Wen*
TX011	Sodium benzoate ameliorates ketamine-induced behavioral disturbances 劉奕賢 , 詹銘煥 , 陳慧誠 Yi-Hsien Liu, Ming-Huan Chan, Hwei-Hsien Chen
TX012	Toxicity of Vincristine on Zebrafish Larvae 馮瑩茜，林豐益 Phong Ying Chiann, Li-Yih Lin
TX013	Establishing an Image-Based Functional Analysis of the Cardiovascular System in Zebrafish Larvae 于清華 , 林豐益 CHing-Hua Yu, Li-Yih Lin
TX014	The cytotoxic effect of carbon quantum dots in human mesenchymal stem cells 陳宏庠 , 盧亭宇 , 吳家豪 , 王瓏鈞 , 林家驊 Hung-Hsiang Chen, Ting-Yu Lu, Chia-Hao Wu, Lung-Chun Wang, Chia-Hua Lin
TX015	The Potential Roles of Autophagy on Uremic Sarcopenia 麥庭威 , 鄭佳容 , 姜至剛 Ting-Wei Mai, Jia-Rong Jheng, Chih-Kang Chiang
TX016	Praeruptorin B Inhibits TPA-Induced Metastatsis by Suppressing PI3K/AKT/NF-κB Signaling Pathway Mediated MMP-2/-9 Expression in Human Cervical Cancer HeLa cells 林佳良 , 謝逸憲 Chia-Liang, Lin, Yi-Hsien, Hsieh
TX017	Pazopanib promotes melatonin-induced apoptosis and autophagy via activation of p38MAPK pathway and LC3 in human renal cell carcinoma 陳永璿 , 謝逸憲 Yong-Syuan Chen, Yi-Hsien Hsieh
TX018	Fisetin up-regulated CRT expression via non canonical pathway to enhance chemosensitivity and apoptosis in Hepatocellular carcinoma 劉益昇 , 張育郡 , 郭薇雯 , 廖柏翔 , 黃志揚 * Yi-Sheng Liu, Yu-Chun, Chang, Wei- Wen Kuo, Po-Hsiang Liao, Chih-Yang Huang*
TX019	Exploring the role of microRNA 702-5p in down-regulation of autophagy in the compensatory mechanism of short-term hyperglycemia in cardiomyoblast. 林立勳 , 廖柏翔 , 郭薇雯 , 黃志揚 Li-Syun Lin, Po-Hsiang Liao, Wei-Wan Kuo, Chih-Yang Huang

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TX020	Fenvalerate alters thyroid hormone with sex dependent in intact juvenile/peripubertal Wistar rats 呂水淵 , 牟為謙 , 陳敏貞 , 姚成瑞 , 廖婧淳 , 蔡韙任 Shui-Yuan Lu, Wei-Chien Mou, Min-Chen Chen, Cheng-Ruei Yao, Jing-Chun Liao, Wei-Ren Tsai
TX021	Risk 21 for human health risk assessment with dimethomorph residue in grape 呂水淵 , 廖婧淳 , 牟為謙 , 陳敏貞 , 姚成瑞 , 蔡韙任 Shui-Yuan Lu, Jing-Chun Liao, Wei-Chien Mou, Min-Chen Chen, Cheng-Ruei Yao, Wei-Ren Tsai
TX022	Risk 21 for human health risk assessment with methomyl residue in grape 呂水淵 , 廖婧淳 , 牟為謙 , 陳敏貞 , 姚成瑞 , 蔡韙任 Shui-Yuan Lu, Jing-Chun Liao, Wei-Chien Mou, Min-Chen Chen, Cheng-Ruei Yao, Wei-Ren Tsai
TX023	Risk 21 for human health risk assessment with imidacloprid residue in grape 呂水淵 , 廖婧淳 , 牟為謙 , 陳敏貞 , 姚成瑞 , 蔡韙任 Shui-Yuan Lu, Jing-Chun Liao, Wei-Chien Mou, Min-Chen Chen, Cheng-Ruei Yao, Wei-Ren Tsai
TX024	Risk 21 for human health risk assessment with prochloraz residue in grape 呂水淵 , 廖婧淳 , 牟為謙 , 陳敏貞 , 姚成瑞 , 蔡韙任 Shui-Yuan Lu, Jing-Chun Liao, Wei-Chien Mou, Min-Chen Chen, Cheng-Ruei Yao, Jen-Bin Wang, Wei-Ren Tsai
TX025	Risk 21 for human health risk assessment with cyprodinil residue in grape 呂水淵 , 廖婧淳 , 牟為謙 , 陳敏貞 , 姚成瑞 , 王建彬 , 蔡韙任 Shui-Yuan Lu, Jing-Chun Liao, Wei-Chien Mou, Min-Chen Chen, Cheng-Ruei Yao, Jen-Bin Wang, Wei-Ren Tsai
TX026	Functional study of splicing XBP-1 in the kidney injury by using Tet-On system in vitro and in vivo 陳元孝 , 姜至剛 Yuan-Siao Chen, Chih-Kang Chiang
TX027	Non-Animal Alternatives Methods for Assessing Skin Sensitization and Skin Irritation Potential via in vitro and in silico models 羅月霞 , 周韋均 , 鄭獻仁 , 林嬪嬪 Yueh-Hsia Luo, Wei-Chun Chou, Hsien-Jen Cheng, Pinpin Lin

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PY001	A Study of Dietary Habits on the Body Mass Indexes of College Students-Pharmacy Students of Tajen University 嚴誠 , 施承典 Chen Yen, Cheng-Dean Shih
PY002	SMOFlipid Enriched in ω-3 PUFA Accelerates the Healing of Excision Wound 彭逸稘 , 田沁潔 , 楊福麟 , 怡懋 ・ 蘇米 , 邱艷芬 , 李茹萍 Yi-Chi Peng, Fwu-Lin Yang, Yi-Maun Subeq, Chin-Chieh Tien, Yann-Fen C. Chao, Ru-Ping Lee
PY003	Effects of oligo Fucoidan on radiation-induced cardiac dysfunction mice and its metabolic analysis 李貫綸 , 林彥昌 Kun-Lun Li, Yen-Chang Lin
PY004	Local Somatotheral Stimulation on Destined Acupoint Improves Regional Circulation Through Induction of Reactive Oxidative Species and Attenuates The Soreness Sensation in Humans. 邱仁輝 , 蔡易修 Jen-Hwey Chiu, Yi-Hsiu Tsai
PY005	Anomalous baroreflex functionality inherent in floxed and Cre-Lox mice: an overlooked physiological phenotype 吳嘉琦 , 蔡靜宜潘恩源 , 陳慶鏗 * Jacqueline C.C. Wu , Ching-Yi Tsai , Yan-Yuen Poon, Samuel H.H. Chan*
PY006	The Contribution of Matrix Metalloproteinase-1 Promoter Genotypes to Taiwan Lung Cancer Risk 李欣庭 , 沈德群 , 張文馨 , 蔡佳紋 , 林怡廷 , 蕭捷倫 , 許哲綸 , 陳偉峻 , 夏德椿 , 包大贏 * Hsin-Ting Li, Te-Chun Shen, Wen-Shin Chang, Chia-Wen Tsai, Yi-Ting Lin, Chieh-Lun Hsiao, Che-Lun Hsu, Wei-Chun Chen, Te-Chun Hsia, Da-Tian Bau*
PY007	Contribution of Matrix Metalloproteinase-7 Genotypes to the Risk of Non-solid Tumor, Childhood Leukemia 裴仁生 , 周安國 , 許珮甄 , 蔡佳紋 , 張文馨 , 巫旻憲 , 夏德椿 , 鄭舜平 , 包大贏 * Jen-Sheng Pei, An-Kuo Chou, Pei-Chen Hsu, Chia-Wen Tsai, Wen-Shin Chang, Ming-Hsien Wu, Te-Chun Hsia, Shun-Ping Cheng, Da-Tian Bau*
PY008	The Contribution of MMP-8 Promoter Genotypes to Childhood Leukemia 許珮甄 , 裴仁生 , 張文馨 , 洪義文 , 鄭舜平 , 蔡佳紋 , 龔志力 , 包大贏 * Pei-Chen Hsu, Jen-Sheng Pei, Wen-Shin Chang, Yi-Wen Hung, Shun-Ping Cheng, Chia-Wen Tsai, Chi-Li Gong, Da-Tian Bau*
PY009	The Association of MMP-8 Genotypes with Pterygium 胡佩欣 , 張文馨 , 周安國 , 夏寧憶 , 洪義文 , 林佳玟 , 吳芩紋 , 黃中佑 , 廖丞晞 , 蔡佳紋 , 龔志力 , 包大贏 * Pei-Shin Hu, Wen-Shin Chang, An-Kuo Chou, Ning-Yi Hsia, Yi-Wen Hung, Chia-Wen Lin, Cin-Wun Wu, Chung-Yu Huang, Cheng-Hsi Liao, Chia-Wen Tsai, Chi-Li Gong, Da-Tian Bau*
PY010	Dithiothreitol Enhanced Arsenic-Trioxide-Induced Cell Apoptosis in Cultured Oral Cancer Cells via Mitochondrial Dysfunction and Endoplasmic Reticulum Stress 許懷美 , 蔡佳紋 , 楊美都 , 夏德椿 , 張文馨 , 潘述翌 , 謝逸憲 , 鍾景光 , 包大贏 * Huai-Mei Hsu, Chia-Wen Tsai, Mei-Due Yang, Te-Chun Hsia, Wen-Shin Chang, Su-Yi Pang, Yi-Hsien Hsieh, Jing-Gung Chung, Da-Tian Bau*
PY011	The Contribution of Matrix Metalloproteinase-1 Genotypes to Hepatocellular Carcinoma Susceptibility in Taiwan 顏秀婷 , 賴昱良 , 龔志力 , 傅俊凱 , 岳德政 , 蔡佳紋 , 張文馨 , 蕭捷倫 , 李欣庭 , 鄭隆賓 , 王守正 , 包大贏 * Shiou-Ting Yen, Yi-Liang Lai, Chi-Li Gong, Chun-Kai Fu, Te-Cheng Yueh, Chia-Wen Tsai, Wen-Shin Chang, Chieh-Lun Hsiao, Hsin-Ting Li, Long-Bin Jeng, Shou-Cheng Wang, Da-Tian Bau*

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PY012	Association of Asthma Risk in Patients with Primary Sjögren's Syndrome: A Retrospective Cohort Study 潘述翌 , 沈德群 , 蔡佳紋 , 張文馨 , 蕭捷倫 , 夏德椿 , 包大贏 * Su-Yi Pang, Te-Chun Shen, Chia-Wen Tsai, Wen-Shin Chang, Chieh-Lun Hsiao, Te-Chun Hsia, Da-Tian Bau*
PY013	Contribution of Matrix Metalloproteinases-1 Genotypes to Gastric Cancer Susceptibility in Taiwan 林佳玟 , 楊美都 , 林國誠 , 呂孟純 , 鄭隆賓 , 蕭捷倫 , 岳德政 , 傅俊凱 , 李欣庭 , 顏秀婷 , 吳芩紋 , 潘述翌 , 包大贏 * Chia-Wen Lin, Mei-Due Yang, Kuo-Cheng Lin, Meng-Chun Lu, Long-Bin Jeng, Chieh-Lun Hsiao, Te-Cheng Yueh, Chun-Kai Fu, Hsin-Ting Li, Shiou-Ting Yen, Cin-Wun Wu, Su-Yi Pang, Da-Tian Bau*
PY014	The Contribution of Matrix Metalloproteinase-8 Promoter Polymorphism to Oral Cancer Susceptibility 吳芩紋 , 洪義文 , 蔡佳紋 , 吳正男 , 施亮均 , 陳妍宇 , 劉彥芳 , 沈明毅 , 張文馨 , 包大贏 * Cin-Wun Wu, Yi-Wen Hung, Chia-Wen Tsai, Cheng-Nan Wu, Liang-Chun Shih, Yen-Yu Chen, Yen-Fang Liu, Ming-Yi Shen, Wen-Shin Chang, Da-Tian Bau*
PY015	Contribution of Excision Repair Cross-complementing Group 1 Genotypes to Triple Negative Breast Cancer Risk 蕭捷倫 , 蔡佳紋 , 張文馨 , 蘇振賢 , 王惠暢 , 周安國 , 劉良智 , 包大贏 * Chieh-Lun Hsiao, Chia-Wen Tsai, Wen-Shin Chang, Chen-Hsien Su, Hwei-Chung Wang, An-Kuo Chou, Liang-Chih Liu, Da-Tian Bau*
PY016	Overall Evaluation of the Interleukin-12 Genotypes Association to Asthma risk in Taiwan 王守正 , 沈德群 , 蔡佳紋 , 張文馨 , 王勝昱 , 趙哲毅 , 蕭捷倫 , 陳偉峻 , 夏德椿 , 包大贏 * Shou-Cheng Wang, Te-Chun Shen, Chia-Wen Tsai, Wen-Shin Chang, Sheng-Yu Wang, Che-Yi Chao, Chieh-Lun Hsiao, Wei-Chun Chen, Te-Chun Hsia, Da-Tian Bau*
PY017	A Large Population Study for the Unique Contribution of Excision Repair Cross-complementing Group 1 Genotypes to Taiwan Colorectal Cancer Susceptibility 岳德政 , 周安國 , 龔志力 , 傅俊凱 , 裴仁生 , 巫旻憲 , 蔡佳紋 , 張文馨 , 包大贏 * Te-Cheng Yueh, An-Kuo Chou, Chi-Li Gong, Chun-Kai Fu, Jen-Sheng Pei, Ming-Hsien Wu, Chia-Wen Tsai, Wen-Shin Chang, Da-Tian Bau*
PY018	Unique Interactions of Double Strand Break Repair Gene Nijmegen Breakage Syndrome 1 Genotypes, Gender Difference and Smoking Status in Taiwan Lung Cancer 陳冠良 , 莊志亮 , 王仲興 , 蕭捷倫 , 顏秀婷 , 李欣庭 , 張文馨 , 蔡佳紋 , 王守正 , 包大贏 * Guan-Liang Chen, Chin-Liang Chuang, Chung-Hsing Wang, Chieh-Lun Hsiao, Shiou-Ting Yen2, Hsin-Ting Li, Wen-Shin Chang, Chia-Wen Tsai, Shou-Cheng Wang, Da-Tian Bau*
PY019	Significant Association of Interleukin-10 Polymorphisms with Childhood Leukemia Susceptibility in a Multi-Hospital-Based Study of NTU and CMU 許師偉 , 張文馨 , 紀宏學 , 蕭捷倫 , 蔡佳紋 , 包大贏 * Shih-Wei Hsu, Wen-Shin Chang, Hong-Xue Ji, Chieh-Lun Hsiao, Chia-Wen Tsai, Da-Tian Bau*
PY020	The Contribution of MMP-7 Genotypes to Renal Cell Carcinoma in Central Taiwan 廖丞晞 , 張文馨 , 胡佩欣 , 吳錫金 , 許師偉 , 劉彥芳 , 蔡佳紋 , 包大贏 * Cheng-Hsi Liao, Wen-Shin Chang, Pei-Shin Hu, Hsi-Chin Wu, Shih-Wei Hsu, Yen-Fang Liu, Chia-Wen Tsai, Da-Tian Bau*

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PY021	The Contribution of DNA Repair Gene XPD Genotypes to Colorectal Cancer Risk among Taiwanese 傅俊凱 , 張文馨 , 岳德政 , 蔡佳紋 , 吳正男 , 王守正 , 賴昱良 , 許師偉 , 蕭捷倫 , 洪義文 , 施子卿 , 包大贏 * Chun-Kai Fu, Wen-Shin Chang, Te-Cheng Yueh, Chia-Wen Tsai, Cheng-Nan Wu, Shou-Cheng Wang, Yi-Liang Lai, Shih-Wei Hsu, Chieh-Lun Hsiao, Yi-Wen Hung, Tzu-Ching Shih, Da-Tian Bau*
PY022	Novel Association of MMP-8 Promoter Polymorphisms with Lung Cancer Risk 莊志亮 , 沈德群 , 夏德椿 , 趙哲毅 , 陳偉峻 , 陳致宇 , 林怡廷 , 蕭捷倫 , 張文馨 5，蔡佳紋 , 包大贏 * Chin-Liang Chuang, Te-Chun Shen, Te-Chun Hsia, Che-Yi Chao, Wei-Chun Chen, Chih-Yu Chen, Yi-Ting Lin, Chieh-Lun Hsiao, Wen-Shin Chang, Chia-Wen Tsai, Da-Tian Bau*
PY023	The Association of Flap Endonuclease 1 Genotypes with the Susceptibility of Endometriosis 巫旻憲 , 周安國 , 沈明毅 , 陳芳玉 , 蕭捷倫 , 施亮均 , 張文馨 , 蔡佳紋 , 應宗和 , 黃中佑 , 包大贏 * Ming-Hsien Wu, An-Kuo Chou, Ming-Yi Shen, Fang-Yu Chen, Chieh-Lun Hsiao, Liang-Chun Shih, Wen-Shin Chang, Chia-Wen Tsai, Tsung-Ho Ying, Chung-Yu Huang, Da-Tian Bau*
PY024	A Novel Association that Uterine Leiomyoma Patients Exhibited High Incidence but Low Mortality Rate for Breast Cancer in Taiwan 黃中佑 , 沈德群 , 夏德椿 , 蕭捷倫 , 林橙 , 劉良智 , 張文馨 , 蔡佳紋 , 包大贏 * Chung-Yu Huang, Te-Chun Shen, Te-Chun Hsia, Chieh-Lun Hsiao, Cheng-Li Lin, Liang-Chih Liu, Wen-Shin Chang, Chia-Wen Tsai , Da-Tian Bau*
PY025	To Reveal the Novel Pathway of GSKIP-inactivated GSK3b Regulating b-catenin, Cyclin D1 and Drp1 on CCI/Chemotherapy-induced Neuropathic Pain 周安國 , 林怡廷 , 蕭捷倫 , 張文馨 , 蔡佳紋 , 包大贏 * An-Kuo Chou, Yi-Ting Lin, Chieh-Lun Hsiao, Wen-Shin Chang, Chia-Wen Tsai, Da-Tian Bau*
PY026	Potential utility of hyperbaric oxygen therapy in trauma-induced central serotonin abnormalities and depressive profiles 鄭語嫣 , 林真誠 , 劉正哲 , 黃坤崙 , 劉亞平 Yu-Yen Cheng, Chen-Cheng Lin, Cheng-Che Liu, Kun-Lun Huang, Yia-Ping Liu
PY027	Effects of Exercise on Cognitive Deficits Induced by Whole-Brain-Irradiation 文正傑 , 謝坤叡 , 楊淑娟 Cheng-Chieh Wen, Kun-Ruey Shieh, Shu-Chuan Yang
PY028	Sound exposure effects on auditory cortex in changing neuronal size than in the auditory midbrain 盧惠萍 盧惠萍
PY029	Mechanism Underlying the Effects of Novel HDAC Inhibitors on Neural Plasticity in Mice. 孫旻萱 , 李旻芝 , 林泓佑 , 張馨丰 , 楊瀅臻 * Min-Hsuan Hsun, Min-Chin Li, Hong-You Lin, Hsin-Feng Chang, Ying-Chen Yang*

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PY030	The study of cholera toxin B subunit-novel peptide fusion protein in cellular penetration to enhance neural plasticity 廖泰宇 , 謝凱如 , 楊瀅臻 * Tai-Yu Liao, Kai-Ju Hsieh, Ying-Chen Yang*
PY031	Endothelin-1 stimulates 3T3-L1 preadipocyte cell growth 蕭安淇 , 詹彩芸 , 古惠珍 , 崔以威 , 黃耀明 , 郭佑啟 , 高永旭 An-Ci Siao, Tsai-Yun Chan, Hui-Chen Ku , Yi-Wei Tsuei, Yao-Ming Huang, Yow-Chii Kuo, Yung-Hsi Kao
PY032	The Effect of Granulocyte Colony Stimulating Factor (G-CSF) of Anti-inflammation and Neuroprotection on Olfactory Blub after Acute Spinal Cord Injury 邱意翔 , 林牧熹 , 江理琳 , 靳宇晴 , 林佳靜 I-Hsiang Chiu, Muh-Shi Lin, Li-Lin Jiang, Yu-Ching Juin, Chai-Ching Lin
PY033	Cytokines-mediated COUP-TFII suppression promotes VEGF-C expression in endometriosis 李婉寧 , 蕭貴陽 , 張寧 , 吳孟興 , 蔡少正 Wan-Ning Li, Kuei-Yang Hsiao, Ning Chang, Meng-Hsing Wu, and Shaw-Jenq Tsai
PY034	New Mode-Of-Action of Aromatase Inhibitors for Gastric Cancer 張寧 , 賴學州 , 周珮琪 , 馬文隆 Ning Chang*, Hsueh-Chou Lai, Pei-Chi Chou , Wen-Lung Ma
PY035	Studies on the Effects of Gold Nanoparticles on Aquaporin 1 in Human Umbilical Vein Endothelial Cells 陳瑾儀 , 詹燕茹 , 李青澔 Ching-Yi Chen, Yen-Ju Chan, Ching-Hao Li
PY036	Hydrogen Sulfide Increases Pulmonary Veins and Atrial Arrhythmogenesis with Activation of Protein Kinase C 林豐智 , 詹超舜 , 陳耀昌 , 陳適安 , 陳亦仁 Fong-Jhih Lin, Chao-Shun Chan, Yao-Chang Chen, Shih-An Chen, Yi-Jen Chen
PY037	CEACAM6 interacts with EGF receptor in the lipid-rafts and promotes oral squamous cell carcinoma metastasis through the complex N-glycosylation 崔菀琳 , 吳明恒 Wan-Lin Tsui, Ming-Heng Wu
PY038	The assessments of graphene and graphene silver nanoparticles in biosafety and antiseptic effects 林智妮 , 張榮善 Jhih-Ni Lin, Jungshan, Chang
PY039	Either exercise regimen or resveratrol intake could be considerations for rejuvenation therapy in aging process 吳嘉平 , 黃志揚 Jia-Ping Wu, Chih-Yang Huang
PY040	Protein expression profiling of the vascular endothelial growth factor receptor family in Taiwan colorectal cancer 石麗珍 , 葉建志 , 張俊梁 , 崔以威 , 褚志斌 , 高永旭 Li-Jane Shih , Chien-Chih Yeh, Junn-Liang Chang, Yi-Wei Tsuei, Chih-Pin Chuu, and Yung-Hsi Kao

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PY041	Protein expression profiling of the vascular endothelial growth factor family in Taiwan colorectal cancer 葉建志 , 石麗珍 , 張俊梁 , 崔以威 , 褚志斌 , 高永旭 Chien-Chih Yeh, Li-Jane Shih, Junn-Liang Chang, Yi-Wei Tsuei, Chih-Pin Chuu, and Yung-Hsi Kao
PY042	Knockdown of the transcript of extracellular signal-regulated kinase in the brain modulated hypothalamic neuropeptide-mediated appetite control in amphetamine-treated rats 郭東益 , 余青翰 , 謝易修 , 陳霈霓 , 廖娟妙 Dong-Yih Kuo, Ching-Han Yu, Yih-Shou Hsieh, Pei-Ni Chen, Jiuan-Miaw Liao,
PY043	The influence of salt bridge formation on the pro-angiogenic function of Irisin in endothelial cells 黃郁斮 , 戴明泓 Yu-Chin Huang, Ming-Hong Tai
PY044	Heat shock protein 72 may improve hypotension by increasing cardiac mechanical efficiency and arterial elastance in heatstroke rats 許淑芬 , 張菁萍 , 林茂村 , 鄭伯智 Shu-Fen Hsu a, Ching-Ping Chang b,c, Mao-Tsun Lin b, Bor-Chih Cheng c,d,□
PY045	Formosan Sambar Deer Velvet Antler Extract On Aging In Murine Model 王慶輝 , 謝長奇 Cing-Huei Wang, Chang-Chi Hsieh
PY046	Evolutionary divergence of the CACNG protein family is supported by sequencing the zebrafish cacng2b and cacng5a genes 楊仁龍 , 賴彥明 , 陳仁祥 Jen-Lung Yang, Yen-Ming Lai, Ren-Shiang Chen
PY047	Hepatoma-derived growth factor suppression inhibit Helicobacter pylori-promoted gastric inflammatory response 林宏維 , 戴明泓 Hong-Wei Lin, Ming-Hong Tai
PY048	Fructose intake impairs baroreflex sensitivity in the early stage of fructose-induced hypertension through central nervous system regulation 陳信宏 , 鄭珮妏 , 曾清俊 Hsin-Hung Chen, Pei-Wen Cheng, Ching-Jiunn Tseng
PY049	Epigenetic regulation of caveolin 1 in keloids 吳振翰 , 許釗凱 , 林錫慧 , 湯銘哲 Chen-Han Wu , Chao-Kai Hsu, Hsi-Hui Lin , Ming-Jer Tang
PY050	The Analysis of Adverse Drug Reactions in A Tertiary Teaching Hospital in Northern Taiwan 劉中秦 *, 唐于琪 Chung-Chin Liu*, Yu-Chi Tang
PY051	Oral pioglitazone ameliorates fructose-induced peripheral insulin resistance and hippocampal gliosis but not restores inhibited hippocampal adult neurogenesis 洪純瑛 , 吳志偉 , 陳怡君 , 吳芎歷 Chun-Ying Hung, Chih-Wei Wu, I-Chun Chen, and Kay L.H. Wu

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PH001	A low-toxicity DNA-alkylating N-mustard-quinoline conjugate with preferential sequence specificity exerts potent antitumor activity against colorectal cancer 陳泰霖 , 林憶雯 , 陳彥伯 , 林敬哲 , 蘇燦隆 , 沈家寧 , 李德章 Tai-Lin Chen, Yi-Wen Lin, Yan-Bo Chen, Jing-Jer Lin, Tsann-Long Su, Chia-Ning Shen, Te-Chang-Lee
PH002	Heme Oxygenase-1 Induction by Rosiglitazone via PKCalpha/AMPKalpha/p38alpha MAPK/ SIRT1/PPARgamma Pathway suppresses Lipopolysaccharide-mediated Pulmonary Inflammation 卓若羚 , 楊春茂 Rou-Ling Cho, Chuen-Mao Yang
PH003	Thermosensitive magnetoliposome for intravenous delivery of tissue plasminogen activator in target thrombolysis 劉志信 , 許皓隆 , 陳志平 , 馬蘊華 Chih-Hsin Liu, Hao-Lung Hsu, Jyh-Ping Chen, Yunn-Hwa Ma
PH004	Antioxidants Protect Mitochondria Against Oxidative Stress-Induced Cell Death by Mitochondrial Transfer in Human Mesenchymal Stem Cells 李佳榮 Chia-Jung Li
PH005	Dual Induction of Autophagy and the AIF Pathway by Glycyrrhizic Acid in Triple Negative Breast Cancer 吳孟諭 , 李佳榮 * Meng-Yu Wu, Chia-Jung Li *
PH006	TXNDC5 overexpression in stromal fibroblasts promotes colorectal cancer progression 程凱琳 , 楊鎧鍵 Kai-Lin Cheng, Kai-Chien Yang
PH007	Long Non-coding RNA Lnc-Fibrogen Promotes Myocardial Fibrosis by Sponging miR-29a 王華琪 , 施盈均 , 楊鎧鍵 Hua-Chi Wang, Ying-Chun Shih, Kai-Chien Yang
PH008	Fisetin-Induced HO-1 Expression Reduces MMP Production and Cell Migration in Breast Cancer Cells 張甄倪 , 葉威蘭 * Chen-Ni Chang, Wei-Lan Yeh *
PH009	Perineuronal Nets restrict the induction of Long-Term Depression in the mouse hippocampal CA1 region 邱原富 , 許桂森 * Guan Hock Khoo, Kuei-Sen Hsu*
PH010	Using patient-specific iPSCs-derived retinal ganglion cells to investigate the mechanism of LHON disease and repair LHON caused impairment by engineered scaffolds. 陳玟璇 , 莊仁華 , 邱士華 * Wun-Syuan Chen, Jen-Hua Chuang, Shih-Hwa Chiou*
PH011	Studies of PAK1 mediated signaling pathways in Idiopathic Pulmonary Fibrosis 黃鈺雅 , 何元順 Yu Ya Hwang, Yuan Soon Ho

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PH012	Role of SIRT3 in low glucose stress response of human gastric cancer cells 姚昀彤 , 李新城 * Yun-Tung Yao, Hsin-Chen Lee*
PH013	Membrane trafficking of ER Ca2+ sensor STIM1 in the activation of store-operated Ca2+ entry 黃翊庭 , 張廉筠 , 陳宜芳 , 沈孟儒 Yi-Ting Huang, Lian-Yun Chang, Yih-Fung Chen, Meng-Ru Shen
PH014	Seeking Therapeutic Targets and Molecular Signature of Major Depressive Disorder 陳頌恩 , 林永舜 , 蕭雅心 Sung-En Chen, Yung-Shuen Lin, Ya-Hsin Hsiao
PH015	Phomaketide A inhibits angiogenesis in human endothelial progenitor cells in vitro and in vivo 王佳蓉 , 李宗徽 , 陳裕仁 , 王士維 Chia-Jung Wang, Tzong-Huei Lee, Yu-Jen Chen , Shih-Wei Wang
PH016	A αIIbβ3 antagonist as selective inhibitor of integrin outside-in signaling that prevents thrombosis without increasing bleeding risk 郭育汝 , 莊偉哲 , 黃德富 * Yu-Ju Kuo, Woei Jer Chuang, Tur-Fu Huang*
PH017	Natural products-derived from Mitella formosana suppress angiogenesis in vitro and in vivo 陳佩琪 , 張訓碩 , 陳益昇 , 王士維 Pei-Chi Chen, Hsun-Shuo Chang, Ih-Sheng Chen, Shih-Wei Wang
PH018	Cytotoxicity and oxidative stress induced by CPF via apoptotic pathway 江晨郁 , 李宣信 , 楊明鈴 , 關宇翔 Chen-Yu Chiang, Shiuan-Shinn Lee, Ming-Ling Yang, Yu-Hsiang Kuan
PH019	Baicalein attenuates Angiotensin II-induced abdominal aortic aneurysm formation in mice 李姒蓉 , Widya Yanti Sihotang, 張尹綺 , 黃韋勳 , 葉竹來 Szu-Jung Lee, Widya Yanti Sihotang, Yin-Chi Chang, Wei-Syun Huang, Jwu-Lai Yeh
PH020	pH-responsive nanoparticles encapsulating oxaliplatin and microRNA for inhibition of colorectal cancer cells 陳彥均 , 莊雅茵 , 駱雨利 Yen-Chun Chen, Vivian Hsieh Juang, Yu-Li Lo
PH021	Identification of polyketide synthase products in Aspergillus oryzae using heterologous expression system 張書林 , 王瀞瑢 , 江一民 , 王嘉駿 , 李冠漢 , 葉旭華 Shu-Lin Chang, Jing-Rong Wang, Yi-Ming Chiang, Clay C. C. Wang, Kuan-Han Lee, Hsu-Hua Yeh
PH022	Nanosome-encapsulated honokiol ameliorates experimental autoimmune encephalomyelitis by reducing the activation of microglia and T cells 蕭雅萍 , 梁弘人 , 詹銘煥 , 詹東榮 Yai-Ping Hsiao, Hong-Jen Liang, Ming-Huan Chan and Tong-Rong Jan
PH023	DOPAMINE D3 RECEPTOR BLOCKADE RESCUES HYPER-DOPAMINE ACTIVITY-INDUCED DEFICIT IN NOVEL OBJECT RECOGNITION MEMORY 張皕凱 , 游一龍 , 謝孟容 , 陳景宗 Pi-Kai Chang, Lung Yu, Hsieh Meng Jung, Jin-Chun Chen
PH024	siRNA targeting human antigen R protein reduced resistance to chemotherapy in cancer cells 王晨燊 , 林冠良 , 莊雅茵 , 丁慧如 , 駱雨利 Chen-Shen Wang, Kuan-Liang Lin, Vivian Hsieh Juang, Hui-Ru Ding, Yu-Li Lo

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PH025	Hypoglycemic and hypolipidemic effects of multi-component nanoparticles on adipocytes and obese mice 陳彥均 , 張名豪 , 黎芳瑜 , 褚韶瑜 , 楊境評 , 張懿欣 , 陳春榮 , 駱雨利 Yen-Chun Chen, Ming-Hao Zhang, Fang-Yu Li, Chao-Yu Chu, Ching-Ping Yang, Yih-Hsin Chang, Chun-Jung Chen, Yu-Li Lo
PH026	Loganin improves chronic constriction injury-induced neuroinflammation by inhibiting the TNF-α/NF-κ B pathway 朱立雯 , 張毓秦 , 謝素玲 , 陳心蘭 , 吳炳男 * Li-Wen Chu, Yu-Chin Chang, Su-Ling Hsieh, Sin-Lan Chen, Bin-Nan Wu*,
PH027	The effect comparison between pre-germinated brown rice (PGBR) extract and γ-oryzanol in ameliorating TNF-α induced insulin resistance 林慧麗 , 沈國屏 * Hui-Li Lin, Kuo-Ping Shen*
PH028	Study of polysaccharides and secondary metabolites production in Pratia nummularia and their biological functions 鄭靜枝 , 盧美光 , 趙繼嫻 , 鄭嘉華 Jing-Jy Cheng, Mei-kuang Lu, Chi-Hsein Chao, Chia-Hua Cheng
PH029	The Two-Hour Interval Prevents The Drug Interaction Of Wuo-Yao-Chun-Chi-San With Nifedipine In Rats 翁芸芳 , 王鴻展 , 盧重光 , 蔡耿彰 , 郭文瑄 Yune-Fang Ueng, Hong-Jaan Wang, Chung-Kuang Lu, Keng-Chang Tsai, Wun-Syu-an Kuo
PH030	Inflammatory chemokine eotaxin-1 is correlated with age in heroin dependent patients under methadone maintenance therapy 劉玉麗 , 郭湘維 , 劉膧夏 , 鄒小蕙 , 許雅婷 , 王聲昌 , 方秋萍 , 劉佳貞 , 陳至暉 Yu-Li Liu, Hsiang-Wei Kuo, Tung-Hsia Liu, Hsiao-Hui Tsou, Ya-Ting Hsu, Sheng-Chang Wang, Chiu-Ping Fang, Chia-Chen Liu, Andrew C.H. Chen
PH031	Cadmium induces dose-dependent cardiovascular fates with differential underlying hemodynamic, neural and cellular mechanisms 陳淑謐 , 方琪 , 黃雅慧 , 吳嘉琦 , 林恂恂 , 蔡靜宜 * Shu-Mi Chen, Chi Fang, Ya-Hui Huang, Jacqueline C.C. Wu, Hsun-Hsun Lin, Ching-Yi Tsai*
PH032	The effects of newly synthesized compound on calcium contained crystal-induced arthritis 童裕雯 , 梁有志 , 陳彥州 , 黃偉展 Yu-Wen Tung, Yu-Chih Liang, Yen-Chou Chen, Wei-Jan Huang
PH033	Anti-inflammatory effect of AZD6244 on LPS-induced neuroinflammation in BV-2 cells 何紋蒨 , 許家齊 , 林滿玉 Wen-Chien Ho, Chia-Chi Hsu, Anya Maan-Yuh Lin
PH034	The involvement of MEK-ERK signaling in acrolein-induced neurotoxicity 黃卉如 *, 葉庭毓 , 林柏維 , 蕭永基 , 林滿玉 Hui-Ju Huang*, Ting-Yu Yeh, Bo-Wei Lin, Yong-Ji Hsiao, Anya Maan-Yuh Lin

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AN001	HN242 ameliorates diabetic cardiomyopathy through reducing inflammation and apoptosis 吳珮羽 , 賴欣妤 , 蘇意婷 , 龔秀妮 Pei-Yu Wu, Shin-yu Lai, Yi-Ting Su, Hsiu-Ni Kung
AN002	Gossypol-Induced Gap Junction Inhibition In H9c2 Cardiomyoblases 吳奐瑋 , 鍾敦輝 Hung-Wei Wu, Tun-Hui Chung
AN003	Study BPA effects on endocrine and immune regulation in human placenta cells 黃慧馨 , 楊智傑 , 張艾安 , 朱伯威 , 藍心婕 Hui-Hsin Huang, Zhi-Jie Yang, Ai-An Chang, Po-Wei Chu, Hsin-Chieh Lan
AN004	Midazolam Inhibits Cancer Epithelial-Mesenchymal Transition 盧欣麟 , 陳詠晴 , 王仰高 Hsin-Ling Lu, Yung-Ching Chen, Yang-Kao Wang
AN005	Effects of Gossypol on Gap Junction Protein in MDCK Cells 陳揚方 , 鍾敦輝 Yang-Fang Chen, Tun-Hui Chung
AN006	The role of sphingosine 1-phosphate in the treatment for post-menopausal osteoporosis 陳駱瑋 , 吳榮庭 , 朱慈暉 , 林怡君 , 徐佳福 Lo-Wei Chen, Jung-Ting Wu, Tzu-Hui Chu, Yi-Jun Lin, Jia-Fwu Shyu
AN007	The Effect of RAB34 on the Invasion, Migration and Angiogenesis in Glioblastoma Cells. 黃婷鈺 , 張欣翰 , 蔡文銓 , 陳瀅 Ting-Yu Huang, Hsin-Han Chang, Wen-Chiuan Tsai, Ying Chen
AN008	Investigation on the protective mechanisms of Dimethyl Sulfoxide in Influenza A virus (H1N1) infection 廖宇婕 *, 蔡孟為 , 黃星華 , 司徒惠康 , 林谷峻 # Yu-Chieh Liao*, Meng-Wei Tsai, Shing-Hwa Huang, Huey-Kang Sytwu, Gu-Jiun Lin#
AN009	The Effects of Melatonin on the Regulation of LPS-Induced Inflammation of Microglial Cells 黃上哲 , 徐淑媛 * Shang-Jhe Huang, Shu-Yuan Hsu*
AN010	The Influence of Low Molecular Weight Sericin in Stem Cell 王湘華 , 張淑貞 , 王佳瑜 , Dewi Sartika, 楊雅竹 , 范綱毅 , 程君弘 , 洪伯達 Hsiang-Hua Wang, Shu-Jen Chang, Chia-Yu Wang, Dewi Sartika, Ya-Jhu Yang, Gang-Yi Fan, Juin-Hong Cherng and Po-Da Hong
AN011	Stem Cell in Silk Fibroin Scaffold for Guiding Bone Regeneration 沙仙女、范綱毅、王佳瑜、王湘華、張淑貞、程君弘、洪伯達 Dewi Sartika, Gang-Yi Fan, Chia-Yu Wang, Hsiang-Hua Wang, Shu-Jen Chang, Juin-Hong Cherng, Po-Da Hong
AN012	HN242 protects liver in type Ⅰ and II diabetes mellitus 王佑辰 , 龔秀妮 You-Chen Wang, Hsiu-Ni Kung
AN013	The role of C1GALT1 in breast cancer bone metastasis 林佳宣 , 林能裕 Jia-Hsuan Lin, Neng-Yu Lin

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AN014	Pyr3 Induces Apoptosis and Inhibits Migration in Human Glioblastoma Cells 張欣翰 , 鄭宇辰 , 陳瀅 Hsin-Han Chang, Yu-Chen Cheng, and Ying Chen
AN015	Reduced myelin sheath thickness in aged forebrain-specific Ctgf knockout mice 張荷清 , 李立仁 * Ho-Ching Chang and Li-Jen Lee*
AN016	Investigating the therapeutic effects of co-grafting iPSCs and ventral mesencephalic tissue in Parkinsonian rats 王亮傑 , 翁紹儒 , 陳元皓 , 馬國興 Liang-Chieh Wang, Shao-Ju Weng, Yuan-Hao Chen, Kuo-Hsing Ma

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BC001	Target Identification Reveals Protein Arginine Methyltransferase 1 Is a Potential Target of Phenyl Vinyl Sulfone and Its Derivatives 余承翰 , 周繼祺 , 李德彥 , 邱繼輝 , 張震東 Cheng-Han Yu, Chi-Chi Chou, Der-Yen Lee, Kay-Hooi Khoo, Geen-Dong Chang
BC002	Association of overexpressed KPNA2 with poor survival and its contribution to IL-1β-induced MMP expression in oral cancer 王俊懿 , 游佳融 , 張凱評 * Chun-I Wang , Chia-Jung Yu, Kai-Ping Chang *
BC003	Structural Insight into Gain of Function Caused by F1174L and R1275Q Mutations on ALK: A Molecular Modeling Study 江承翰 , 黃重憲 , 楊佳寧 Cheng-Han Jiang, Chong-Xian Huang, Chia-Ning Yang
BC004	Betanodavirus B2 protein as a novel death factor triggered the lung cancer cell deaths via apoptosis/necroptosis regulation but inhibits the autophagy in vitro and in vivo 邱鉉文 , 洪健睿 Husan-Wen Chiu, Jiann- Ruey Hong
BC005	Inhibitory effects of Aloe emodin on apoptosis and cell migration of human breast cancer cells 詹雅琪 , 王毓芬 , 陳達人 Ya-Chi Chan, Yu-Fen Wang , Dar-Ren Chen
BC006	Characterization of Atg9-Beclin1-Traf6 interaction in oxidative stress-induced autophagy Yi-Ting Wang, Guang-Chao Chen
BC007	Development of adjuvant inhibitor in irinotecan therapy by targeting bacterial β-glucuronidase 林仙雅 , 林鼎堅 , 葉倫輔 , 謝瑋哲 , 高士杰 , 白宸睿 , 謝東儒 , 朋莎朗 , 羅傅倫 , 林俊宏 * Hsien-Ya Lin, Ting-Chien Lin, Lun-Fu Yeh, Wei-Che Hsieh, Shijay Gao, Pierre-Alain Burnouf, Tung-Ju Hsieh, Punsaldulam Dashnyam, Steve R. Roffler and Chun-Hung Lin*
BC008	Synergistic Action of Galectin-3 and Human α-L-Fucosidase 2 in the Bactericidal Effects of Helicobacter pylori Infection 吳尚錞 , 姚正誼 , 詹皓名 , 蕭正得 , 吳芭娃 , 沙西卡 , 黃淳絹 , 智傑 , 林仙雅 , 邱繼輝 , 安形高志 , 林俊宏 * Shang-Chuen Wu, Danny Yao, Hau-Ming Jan, Cheng-Te Hsiao, Bhaswati Ghosh, Sasikala Muthusamy, Chuen-Jiuan Huang, Zhijay Tu, Hsien-Ya Lin, Kay-Hooi Khoo, Takashi Angata, Chun-Hung Lin*
BC009	MYCN mediates metabolic enzymes MTHFD2 and PAICS during neuroblastoma cell progression 張海妍 , 許家郎 , 崔昭胤 , 郭子霆 , 黃振綜 , 黃宣誠 *, 阮雪芬 * Hoi Yin Chantal Cheung, Chia-Lang Hsu, Chao-Yin Tsuei, Tzu-Ting Kuo, Chen-Tsung Huang, Hsuan-Cheng Huang, Hsueh-Fen Juan*
BC010	Lon Restrains Apoptosis via Sequestering p53 in Mitochondria under Oxidative Stress 宋雅茹 , 李岳倫 Ya-Ju Sung, Alan Yueh-Luen Lee
BC011	Effect of S46N polymorphism in the structure and function of sirtuin 6 林政豪 , 李惠珍 Jheng-Hao Lin, Hwei-Jen Lee
BC012	Exploring Acute Myeloid Leukemia Dependency on Trim28/Setdb1 complex 陳啟超 Chichao Chen, Scott Millman, Cory Rillahan, Chong Chen, Scott Lowe
BC013	Disulfiram Can Inhibit SARS and MERS Coronavirus Main Proteases via Different Modes 江霈柔 , 周記源 Pei-Rou Jiang, Chi-Yuan Chou
BC014	ABT-263-induced Mcl-1 upregulation depends on autophagy-mediated reduction in 4EBP1 expression in human leukemia cells 李苑親 , 張榮賢 Yuan-Chin Lee, Long-Sen Chang
BC015	Tumor-suppressive Effects of Probiotic- derived Extract on HCT-116 Human Colon Cancer Cells 蕭喆方 , 謝寶萱 , 胡祐甄 , 黃姿菁 , 黃于綺 , 邱溥容 , 張基隆 Che-Fang Hsiao, Bau-Shan Hsieh, Yu-Chen Hu, Tzu-Ching Huang, Yu-Ci Huang, Pu-Rong, Chiu, Kee-Lung Chang
BC016	Effects of Citral on Human Hepatocellular Carcinoma HA22T/VGH Cells 蕭于涵 , 胡祐甄 , 謝寶萱 , 黃姿菁 , 邱溥容 , 張基隆 Yu-Han Hsiao, Yu-chen Hu, Bau-Shan Hsieh, Tzu-Ching Huang, Pu-Rong Chiu, Kee-lung Chang
BC017	A transcription factor-mediated regulation of epidermal growth factor receptor (EGFR) expression in post-transcriptional level in human lung cancer cells 郭靜瑩 , 顏伯勳 Jing-Ying Kuo, Bo-Shiun Yan
BC018	Role of RRP6 in breast cancer 辜玟傳 , 李婕寧 , 陳百昇 Wen-Hui Ku, Jie-Ning Li, Pai-Sheng Chen

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BC019	Effect of kaempferol, an active compound of A. vera, C. mophloeum Kanehira and O. dillenii (Ker.) Haw, on Cell Proliferation and Melanin Formation 陳韻如 *, 溫于億 *, 馮天瑜 , 李千雅 , 林奕妘 , 邱莉嫕 , 李泰林 # Yun-Ru Chen*, Yu-Yi Wen* , Tian-Yu Fong , Chien-Ya Li , Yi-Yun Lin , Li-Ying Qiu , Tai-Lin Lee#
BC020	Inhibition of RNase P Activity Promotes Bcl2 Expression and Sensitizes Cancer Cells to Bcl2 Inhibitor 林原禾 , 陳志偉 , 曾柏霖 , 鄭宏祺 , 蔡文暉 , 邱凱駿 , 謝孟哲 , 鍾尚庭 , 葉書鋒 , 歐陽睿 , 張文粲 * Yuan-Ho Lin, Chih-Wei Chen, Po-Lin Tseng, Hung-Chi Cheng, Wen-Hui Tsai, Kai-Ling Chiu, Meng-Che Hsieh, Sheng-Ting Chung, Shu-Feng Yeh, Rueo Ou-Yang, Wen-Tsan Chang*
BC021	The role of imiquimod on the interplay of melanoma and macrophage in the tumor microenvironment. 劉建廷 , 謝政哲 Jain Ting Liou , Jeng-Jer Shieh
BC022	AKT Promotes the Transcriptional Activity of ZNF322A Oncoprotein in Lung Cancer 劉雅棻 , 陳玉婷 , 廖昇佑 , 王憶卿 * Ya-Fen Liu, Yu-Ting Chen, Sheng-You Liao, and Yi-Ching Wang*
BC023	Oral Administration of Insulin Encapsulated in Exosomes Improves Hypoglycemic Efficacy in Animal Models 鄒尚瑀 , 李慧盈 , 高文一 , 何士慶 *, 張嘉銘 Shang-Yu Zou, Hui-Ying Lee, Wen-Yi Kao, Shih-Ching Ho, Jia-Ming Chang
BC024	The role of p53 acetylation of imiquimod-induced cellular senescence in skin cancer 李政宜 , 謝政哲 Zheng-Yi Lee, Jeng-Jer Shieh
BC025	INO80 chromatin remodeler family selectively regulate post-senescence survivors in telomerase-deficient Saccharomyces cerevisiae 劉家君 , 林敬哲 Chia-Chun Liu, Jing-Jer Lin
BC026	Roselle (Hibiscus sabdariffa L.) Induced Apoptosis in Human Colon Cancer Cells Hsin-Pei Tsay, Hung Chia-Hung, Chau-Jong Wang, Yun-Ching Chang* 蔡欣蓓 , 洪嘉鴻 , 王朝鐘 , 張雲菁 * Hsin-Pei Tsay, Hung Chia-Hung, Chau-Jong Wang, Yun-Ching Chang*
BC027	Role of RUNX3 in oral squamous cell carcinoma 吳佳蓉 , 謝義興 Jia-Rong Wu, Yi-Shing Shieh
BC028	Mitochondrial Lon collaborates with PYCR1 to promote Epithelial-Mesenchymal Transition in cancer under oxidative stress 郭政良 , 邱奕潔 , 周含諭 , 李岳倫 Cheng-Liang Kuo, Yi-Chieh Chiu, Han-You Chou, and Alan Yueh-Luen Lee
BC029	Culture of T Cells Isolated from Peripheral Blood Mononuclear Cells (PBMC) in Serum-Free Culture Conditions 蘇宥樺 , 冷霈如 , 盧信霖 *, 紀威光 Yu-Hua Su , Pei-Ju Leng, Hsin-Lin Lu*, Wei-Kuang Chi

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BC030	Expression of PRDX6 correlates with migration and invasiveness of Colorectal cancer cells 黃文詩 , 黃政懿 , 謝孟樵 , 郭益宏 , 董水義 , 沈建亨 , 謝詠裕 , 鄧志娟 , 李克釗 , 李錦輝 , 郭星君 Wen-Shih Huang ,Cheng-Yi Huang , Meng-Chiao Hsieh , Yi-Hung Kuo , Shui-Yi Tung , Chien-Heng Shen , Yung-Yu Hsieh , Chih-Chuan Teng , Ko-Chao Lee , Kam-Fai Lee , Hsing-Chun Kuo
BC031	Comparative proteomic identification of tert-butylhydroperoxide-induced liver injury in rat hepatocytes 沈建亨 , 董水義 , 黃文詩 , 李錦輝 , 謝詠裕 , 謝孟樵 , 陳成南 , 宋美蘭 , 郭星君 * Chien-Heng Shen , Shui-Yi Tung , Wen-Shih Huang , Kam-Fai Lee , Yung-Yu Hsieh , Meng Chiao Hsieh , Cheng-Nan Chen , Mei-Lan Sung, Hsing-Chun Kuo*
BC032	Anti-proliferative and antitumor effects of a triterpenoid isolated from wild bitter melon on human adenocarcinoma AGS cells 蔡帛蓉 , 趙涓含 , 黃文程 、余俊賢 、劉俊仁 Po-Jung Tsai, Chuan-Han Chao, Wen-Cheng Huang, Chun-Hsien Yu, and Jun-Jen Liu
BC033	Optimizing xeno-free expansion condition and process control of T cells 冷霈如 , 蘇宥樺 , 盧信霖 , 紀威光 Pei-Ju Leng, Yu-Hua Su, Hsin-Lin Lu, Wei-Kuang Chi
BC034	Targeting Pseudomonas aeruginosa with Antibodies to Enhance Immune Clearance and Inhibit Invasion by Using Automated High Throughput Phage Display Platform 吳彥宥 , 蔡宜珊 , 陳奕璋 , 駱育壎 , 官建村 Yen-Yu Wu, Yi-san Tsai, Yi Jang Chen, Yu-Hsun Lo, Chien-Tsun Kuan
BC035	Tetrandrine inhibits IL-6 induced epithelial-mesenchymal transition in human colorectal cancer HCT116 cell 吳威澤 , 蔡士彰 Wei-Ze Wu, Shih-Chang Tsai
BC036	MicroRNA-194 inhibits epithelial-mesenchymal transition in human breast cancer cells 蔡士彰 , 楊柔均 Shih-Chang Tsai, Jou-Chun Yang
BC037	A flavone from Myoporum bontioides induces cell cycle arrest in breast cancer cells Jing-Ru Weng*, Li-Yuan Bai, Wei-Yu Lin 翁靖如 , 白禮源 , 林威宇 Jing-Ru Weng, Li-Yuan Bai, Wei-Yu Lin
BC038	Application of Immuno-Polymerase Chain Reaction for Detection of Staphylococcus aureus 吳柔霏 , 黃姿毓 , 紀伶蓁 , 黃素華 * Jou-Fei Wu, Tzu-Yu Huang, Ling-Zhen Chi, Su-Hua Huang *
BC039	The effect of Ganoderma tsugae ethanol extract on metastasis of endometrial cancer cells 郭品宏 , 蔡伊婷 , 劉嘉燿 , 高銘欽 Pin-Hung Kuo, Yi-Ting Tsai, Jah-Yao Liu, Ming-Ching Kao
BC040	Curcumin derivative regulates palmitate-induced insulin resistance in C2C12 cells 羅鈺翔 , 蔡士彰 Yu-Shiang Lo1, Shih-Chang Tsai

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BC041	A computational pipeline to improve the gene annotation and symbol assignment of virulence factors and drug resistane genes of pathogenic bacterial strains 王琳翔 , 黃彥華 Ling-Xiang Wang, Yen-Hua Huang
BC042	Lon-ROS Axis Induces IDO Expression by Activating cGAS-STING-IFN Signaling in Oral Cancer 鄭安寧 , 鄭梨君 , 李岳倫 An Ning Cheng, Li-Chin Cheng, Alan Yueh-Luen Lee
BC043	The Chemopreventive Effects of Omega-3 Fatty Acids Derivative in Prostate Cancer 高久里 , 林維楨 , 劉棋銘 Chiu-Li Kao, Wei-Chen Lin, Chi-Ming Liu
BC044	The role of exosomes in facilitating osteotropic lung cancer cell metastasis 黃德偉， 陳立宗，, 劉柯俊 Teck-Ooi Wong, Li-Tzong Chen, Ko-Jiunn Liu
BC045	Antioxidant Activities of Methanol Extract from the Leaf of Clinacanthus Siamensis 高久理 , 劉棋銘 Chiu-Li Kao, Chi-Ming Liu
BC046	Quantitative analysis of Potato virus X following genomic amplification 關政平 *, 蔡沄容 , 楊佐琦 Cheng-Ping Kuan*, Yun-JungTsai, Tso-Chi Yang
BC047	Detection of viral genomes for Three Cucurbit Viruses using hybridization probes 關政平 *, 黃勝豐 , 蔡沄容 , 楊佐琦 Cheng-Ping Kuan*, Yun-JungTsai, Tso-Chi Yang

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IM001	Mechanistic study of TAPE adaptor in regulating RIG-I signaling 陳家寶 , 陳冠儒 , 羅尹秋 , 王立君 , 凌斌 Jia-Bao Chen, Kuan-Ru Chen, Yin-Chiu Lo, Li-Chun Wang, Pin Ling
IM002	Role of TAPE innate immune adaptor in NLRP3 inflammasome and non-canonical inflammasome regulation 李嘉芙 , 高禎鞠 , 凌斌 Ka Fu Lei , Chen-Chu Kao and Pin Ling
IM003	Lfc is critical for the formation of neutrophil extracellular trap in spread form 林婕 , 翁甄敏 , 江皓森 * Chieh Lin, Chen-Min Weng, Hao-Sen Chiang*
IM004	Helicobacter pylori sensitizes TNF-related apoptosis-inducing ligand (TRAIL)-mediated apoptosis in human gastric epithelial cells via modulation of Akt-AIP4-FLIPs pathway 林怡孜 , 陳思穎 , 林琬瑜 , 許秉寧 Yi-Tzu Lin, Szu-Ying Chen, Woan-Yu Lin, Ping-Ning Hsu
IM005	The mycobacterial adjuvant analogue TDB regulates microglial M1/M2 polarization via Mincle-independent PLC-γ1/CaMKKβ/AMPK pathway 馬漢 , 彭阿魯 , 張淑芬 , 林琬琬 Mahendravarman Mohanraj, Ponarulselvam Sekar, Shwu-Fen Chang, and Wan-Wan Lin
IM006	Lack of Polyfunctional Cytomegalovirus-specific T cells in Hemodialysis Patients 賴方筠 , 徐愷翔 , 楊豐榮 , 賈景山 , 彭渝森 , 邱彥霖 * Fang-Yun Lay, Kai-Hsiang Shu, Feng-Jung Yang, Jean-San Chia, Yu-Sen Peng, Yen-Ling Chiu*
IM007	The human C-type lectin 18 is a potential biomarker in patients with chronic hepatitis B virus infection 蔡宗佑 , 黃雅蘭 , 彭成元 , 陶秘華 , 謝世良 * Tsung-Yu Tsai, Ya-Lang Huang, Cheng-Yuan Peng, Mi-Hua Tao, Shie-Liang Hsieh*
IM008	Instead of Nature Killer Cells, Intrahepatic ASGM1+ Immune Cells Are the Key Effector Cells in HBV Clearance 宋奇璋 , 蕭世鴻 , 許秉寧 Chi-Chang Sung, Shih-Hong Siao, Ping-Ning Hsu
IM009	Reprogramming of DC development from common lymphoid progenitor by inflammation and viral infection 蕭又綾 , 李建國 Yu-Ling Hsiao, Chien-Kuo Lee

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MI001	Molecular Imaging of the Hypoxic Microenvironment for Colorectal Cancer Diagnosis 官孝勳 , 廖澤蓉 , 羅彩月 Siao-Syun Guan, Tse-Zung Liao, Tsai-Yueh Luo,
MI002	Characterization and in vivo imaging of mesenchymal stem cells derived exosomes 呂承烋 , 柯建志 , 陳怡安 , 陳昭政 , 劉仁賢 Cheng-Hsiu Lu, Chien-Chih Ke, Yi-An Chen, Chao-Cheng Chen, and Ren-Shyan Liu
MI003	Utilizing TWIST promoter-driven reporter gene as epithelial mesenchymal transition sensor and anti-cancer drug screening platform 歐依甄 , 胡倫 , 辜敏慈 , 劉仁賢 * Yi-Jhen Ou, Luen Hwu, Min-Tzu Ku, Ren-Shyan Liu*
MI004	Combined imaging with 11C-acetate and 18F-FDG PET in the prediction of de novo lipogenesis and treatment response to orlistate in mouse model of hepatocellular carcinoma 曹勤和 , 周榮鴻 , 柯建志 , 劉仁賢 Chin-Ho Tsao , Rong-Hong Jhou, Chien-Chih Ke, Ren-Shyan Liu
MI005	The mycobacterial adjuvant analogue TDB regulates microglial M1/M2 polarization via Mincle-independent PLC-γ1/CaMKKβ/AMPK pathway 馬漢 , 彭阿魯 , 張淑芬 , 林琬琬 Mahendravarman Mohanraj, Ponarulselvam Sekar, Shwu-Fen Chang, and Wan-Wan Lin
MI006	Cardiomyocyte-Targeting Nanocomposites with Multiparametric MR Theranostic Imaging for Myocardial Injury 廖敏喬 , 余俊杰 , 陳威宇 , 蘇家豪 Min-Chiao Liao, Chun-Chieh Yu, Wei-Yu Chan, Chia-Hao Su
MI007	Development of novel hexapods gold nanoparticles for photo-thermal evaluation in human glioblastoma 翁茂琦 , 夏建忠 Mao-Chi Weng, Chien-Chung Hsia
MI008	The diagnostic performance of acoustic radiation force impulse (ARFI) elastography and Wisteria floribunda agglutinin-positive Mac-2-Binding protein (WFA+-M2BP) in patients with chronic liver disease 陳建成 , 周成德 , 吳文沛 , 陳潤秋 Chien-Cheng Chen, Chen-Te Chou, Wen-Pei Wu, Ran-Chou Chen

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CM055	Electrical Stimulation Affected the Pigment Aggregation and Dispersion in Zebrafish Embryo Chromatophores 李芸廷 , 李采諭 , 王薏婷 , 魏詠欣 , 李泰林 , 黃尉東 * Yun-Ting Lee, Cai-Yul Lee, Yi-Ting Wang, Yong-Sin Wei, Tai-Lin Lee and Wei-Tung Huang*
CM056	Metastasis of Human Lung Carcinoma Cells was Affected by DSC2 Gene Overexpression in Zebrafish (Danio rerio) Xenograft Model 葉羽真 , 曾詠萱 , 賴德豪 , 莊子圻 , 汪潔 , 蔡孟峰 , 黃尉東 * Yu-Chen Yeh, Yong-Hsuan Zong, De-Hao Lai, Tzu-Chi Chuang, Jie Wang, Meng-Feng Tsal, Wei-Tung Huang*
CM057	The Effect of ATP on The Folding of Human Uridine Phosphorylase 1 in vitro and in vivo 葉佩琲 , 黃瑜婷 , 劉沛棻 Pei-Chin Yeh, Yu-Ting Huang, Pei-Fen Liu
CM058	Spermatogenic-specific proteins SMZ-1 and SMZ-2 regulate spermatogenesis in the nematode Caenorhabditis elegans 彭筱芳 , 許雅筑 , 陳昌熙 , 吳瑞菁 Hsiao-Fang Peng, Ya-Chu Hsu, Chang-Shi Chen, Jui-ching Wu
CM059	Identification of DNA Aptamers Targeting NS5 protein of type 2 Dengue Viruses for diagnostic and/or therapeutic purpose 李雪鈴 , 羅玉枝 , 王憲威 Syue-Ling Li, Yu-Chih Lo, Shainn-Wei Wang
CM060	The Cellular gC1qR Is Spatiotemporally Involved in Modulation of EV-A71 Uncoating Process and Immune Pathogenesis 蔡佩苓 , 陳冠維 , 王憲威 Pei-Ling Tsai , Kuan-Wei Chen, Shiann-Wei Wang
CM061	The Human C1q Compliment Receptor gC1qR Has A Role in Protecting EV-A71 Infection And Pathogenesis in A Transgenic Mouse Model. 陳子豪 , 陳冠維 , 楊尚訓 , 王憲威 Zi-Hao Chen, Kuan-Wei Chen, Shang-Hsun Yang, Shainn-Wei Wang
CM062	Fucosyltransferase 4-mediated aberrant glycosylation and cell signaling networks promote lung cancer metastasis 呂萱萱 , 阮驛琇 , 陳彥瑋 , 林書永 , 侯欣翰 , 翁瑞鴻 , 洪政慈 , 黃儀真 , 楊采諭 , 吳怡潔 , 胡斯萍 , 施金元 , 蔡幸真 , 余忠仁 Hsuan-Hsuan Lu, Yi-Hsiu Juan, Yen-Wei Chen, Shu-Yung Lin, Hsin-Han Hou, Rueyhung Roc Weng, Zheng-Ci Hung, Yi-Jhen Huang, Tsai-Yu Yang, Yi-Chieh Wu, Giovanni Audrey Oswita, Jin-Yuan Shih, Hsing-Chen Tsai, Chong-Jen Yu
CM063	Trafficking of Ectopic ATP Synthase 侯恁慈 , 黃鼎育 , 陳旻君 , 張怡雯 , 蔡漢萱 , 許家郎 , 黃宣誠 , 阮雪芬 * Jen-Tzu Hou, Ting-Yu Huang , Min-Chun Chen, Yi-Wen Chang, Tsai-Han Hsuan, Chia-Lang Hsu, Hsuan-Cheng Huang , Hsueh-Fen Juan*
CM064	Aurora-A-catalyzed phosphorylation of SLAN regulates cytokinesis 萬長鑫 , 廖昱婷 , 連喬萱 , 魏同佑 , 夏君毅 , 陳焜結 , 余長澤 * Chang-Xin Alejandro Wan, Yu-Ting Amber Liao, Chiao-Hsuan Lian , Tong-You Wade We, Jiun-Yi Hsia, Kun-Chieh Chen, Chang-Tze Ricky Yu*.

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CM065	Alternative Splicing in the C-terminal Region of ATAT1 Modulates Its Function in Cell Migration 王志紘 , 簡俊伊 , 林奇宏 Chih-Hung Wang, Jun-Yi Chien, Chi-Hung Lin
CM066	A Novel Vesicular-Transport Pathway Mediates the Uptake of Cytoplasmic Proteins into Mitochondria 陳柏霖 , 陳俊宏 Po-Lin Chen, Chun-Hong Chen
CM067	Cellular reprogramming induces partial reprogramming and epithelial/mesenchymal hybrid phenotype in colorectal cancer cells 莊涵嬪 , 丘淑雲 , 黃秋容 , 張順景 , 朱廣邦 Han Ping Cheng, Michele S.Y. Hiew, Chiu-Jung Huang, Soon Keng Cheong, Kong Bung Choo
CM069	Development of biomedical medicine for skin cancer 黃星毓 , 王惠民 Hsing-Yu Haung, Hui Min Wang
CM070	Stomatin Promotes High-Fat Diet-Induced Obesity by Modulating Adipocyte Differentiation and Lipid Droplet Enlargement 吳韶芩 , 羅圓明 , 董建億 , 林奇宏 Shao-Chin Wu, Yuan-Ming Lo, Chien-Yi Tung, Chi-Hung Lin
CM071	Investigate the Possible Functions of Membrane Anchored Serine Proteases: Matriptaes, Prostasin and Their Inhibitors in Kidney 吳岱穎 , 王正康 Dai-Ying Wu, Jehng-Kang Wang
CM072	Guiding Polycomb Mediated Gene Silencing to Bypasses Senescence in Mouse Embryonic Fibroblasts 游芷芸 , Tony Hui, 高資皓 , 廖虹富 , 楊芝宜 , Martin Hirst, Antonin Morillon, 陳逸然 , 蔡孟勳 , 林劭品 Chih-Yun Yu, Tony Hui, Tzu-Hao Kao, Hung-Fu Liao, Chih-Yi Yang, Martin Hirst, Antonin Morillon, Yet-Ran Chen, Mon-Hsun Tsai, Shau-Ping Lin
CM073	DNMT3L Mediated Epigenomic Legacy From Pluripotent Cells Ensure Osteogenesis Ability In Mesenchymal Lineages In Vitro 李明剛 , 楊芝宜 , 蕭士翔 , 顏雅萍 , 陸芮嫻 , 鄭淳淳 , 廖虹富 , 劉逸軒 , 陳柏仰 , 林劭品 Ming-Kang Lee, Chih-Yi Yang, Felix Hsiao, Ya-Ping Yen, Jui-Hsien Lu, Chun-Chun Cheng, Hung-Fu Liao, I-Hsiun Liu, Pao-Yang Chen, Shau-Ping Lin
CM074	Antioxidant Composition Analysis and Cytotoxic Evaluation of the Peels and Stems Extracts of Hylocereus undatus 劉姿妤 Zi-Yu Liu
CM075	The Autophagic and Ferroptotic Effect of C27 in Human Hepatocellular Carcinoma Cells 林品綸 , 蘇純立 Pin-Lun Lin, Chun-Li Su

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CM076	The Antioxidant Component and Effects Analysis for Three Different Parts of Dictyophora indusiata by Ethanol Extraction 蔡于婷 , 施養佳 Wu-Ting Tsai, Yang-Chia Shih
CM077	A natural lignan C28-induced mitochondrial dynamics and autophagy in human bladder cancer cells. 張凱勛 , 蘇純立 Kai-Hsun Chang and Chun-Li Su
CM078	The Cytotoxic Effect of Traditional Chinese Medicine in Colorectal Cancer 余乾碩 , 蕭昇揚 , 陳昶翰 , 蘇立仁 Chien-Shuo Yu, Sheng-Yang Hsiao, Chang-Han Chen, Li-Jen Su
CM079	Ferroptosis Induction in Colorectal cancer Cell Lines by M59 isolated from Rhizoma Paridis 陳信志 , 蘇純立 Hsin-Chin Chen, Chun-Li Su
CM080	Melatonin Suppresses the Growth of Human Leukemia Cell Lines and Potentiates the Effect of G1 Arrest by Down Regulation of Cyclins and Cyclin Dependent Kinases . 陳婉瑄 , 洪朝明 , 張基昌 , 林友菁 , 徐怡強 Wan-Syuan Chen, Chao-Ming Hung, Chang Chi-Chang, Lin Yu-Chin, Yi-Chiang Hsu
CM081	Study the impact of genetic background on Alzheimer’s disease mouse model 柯雅云 , 黃慧貞 , 陳潔玲 , 謝秀梅 Ya-Yun Ke, Hei-Jen Huang, Jie-Ling Chen, Hsiu-Mei Hsieh
CM082	Thrombomodulin suppresses epithelial-mesenchymal transition by regulating the distribution of ACTN4 and β-catenin in the cytoplasm 李彩寧 , 郭承翔 , 施桂月 , 吳華林 Tsai-Ning Li, Cheng-Hsiang Kuo, Guey-Yueh Shi, and Hua-Lin Wu
CM083	Using Chemical Genetic Method to Investigate Spindle Assembly Checkpoint Regulation in C. elegans Spermatogenesis 陳尚暘 , 吳瑞菁 Shang-Yang Chen and Jui-Ching Wu
CM084	Using Zebrafish to Study the Effect of NogoA/Rtn4 Overexpression in Muscle on the Neurite Outgrowth of Motor Neurons 張柏翔 , 吳嘉倫 , 林正勇 , 蔡懷楨 Po-Hsiang Zhang , Chia-Lun Wu, Cheng-Yung Lin, Huai-Jen Tsai
CM085	Age-related Transposon Activation in the Niche Impedes Germline Stem Cell Maintenance 林坤陽 , 柯懿庭 , 蘇鈺涵 , 許惠真 Kun-Yang Lin, Yi-Ting Ke, Yu-Han Su, Hwei-Jan Hsu
CM086	ShRNA-Induced Silencing of Metastasis-associated protein 2 Inhibits the Metastasis of Cervical Cancer Cells through Regulation of p38MAPK/YBX1/MMP12 and MiR-7/Sp1/KLK10 Signaling Pathway 林佳良 , 謝逸憲 Chia-Liang, Lin、Yi-Hsien, Hsieh
CM087	Melatonin attenuates EGF-induced migration through downregulating cathepsin S expression in human retinal pigment epithelial ARPE-19 cells 陳永璿 , 謝逸憲 Yong-Syuan Chen, Yi-Hsien Hsieh

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CM088	The B56γ3 Regulatory Subunit-containing Protein Phosphatase 2A Holoenzyme Upregulates AKT Activity to Promote Epithelial-Mesenchymal Transition of Colorectal Cancer Cells 蕭凱擎 , 蔣輯武 Kai-Ching Hsiao, Chi-Wu Chiang
CM089	Molecular epidemiology of triazole-resistant Candida tropicalis from candidemia in southern Taiwan 徐美婷 , 葉芳好 , 劉雅惠 , 李明吉 , 柯文謙 , 蔡佩珍 * Mei Teng Choi, Fang-Hao Yeh, Ya-Hui Liu, Ming-Chi Li, Wen-Chien Ko, Pei-Jane Tsai*
CM090	Klotho plays a role during zebrafish embryogenesis 賴泓甫 , 劉彥良 , 陳耀鴻 * Hung-Fu Lai, Yan-Liang Liou, Yau-Hung Chen*
CM091	Antiproliferative Bioactivity of Taiwan Native Plants AC-92 and AC-154 against Diseased Lung Cells 楊宗珉 , 褚兆軒 , 張倍綺 , 劉銘 * Zong-Min Yang , Zhao-xuan Chu, Bei-qi Zhang, Min Liu*
CM092	Biochemical characterization and biosynthesis study of Protein p38 in Murine Sperm 楊巧雯 , 滕霏 , 鄭力慈 , 劉銘 * Qiao-Wen Yang , Fei Teng, Li-Ci Cheng, Min Liu*
CM093	G2/M cell cycle arrest in human Nasopharyngeal cancer cell lines by Cucurbitacin I (JSI-124) 李冠廷 , 洪朝明 , 徐怡強 Guan-Ting Li , Chao-Ming Hung and Yi-Chiang Hsu
CM094	Genistein attenuate the inflammatory and nitrosative stress on chondrocytes induced by interleukin-1 beta 陳少祈 , 黃椳蓉 , 王誌謙 , 劉峰誠 , 彭奕仁 Shao-Chi Chen
CM095	The Attribution and Meridian of Traditional Chinese Medicine (TCM) Classification Method Explained by Analyzing L1000 ™ Expression Profiling Data. 呂天蒙 , 黃奇英 , 蘇立仁 Tian-Meng Lyu, Chi-Ying F. Huang, Li-Jen Su
CM096	Solasodine, one of BP010W component, inhibits migration and invasion ability in lung cancer 屠少華 , 陳建霖 , 徐歷彥 , 吳玉琮 , 周德盈 , 葉奕成 , 蘇立仁 Shao-Hua Tu, Chien-Lin Chen, LY Shiu, Yu-Chung Wu, Teh-Ying Chou, Yi-Chen Yeh, Li-Jen Su
CM097	Cetuximab Combined With Dasatinib Reduces Drug Resistance In Kras/Braf Mutated Colorectal Carcinoma Cells 邱相齡 , 趙偉廷 Hsiang-Ling Chiu, Wei-Ting Chao
CM098	Elucidating The Correlation between Mitochondria and Actin Dynamics 李哲緯 , 張壯榮 Che-Wei, Lee, Chuang-Rung,Chang

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CM099	Elucidation of the therapeutic role of between nuclear respiratory factor 1, Neuregulin-1 and renal interstitial fibrosis. 謝佩坊 , 劉淑芬 , 張文騰 , 洪崇仁 , 洪慈橞 , 林嘉祥 , 吳俊賢 , 黃景榆 , 陳忠賢 , 吳振宇 , 楊堉麟 Pei-fang Hsieh, Shu-Fen Liu, Wen-Teng Chang, Tsung-Jen Hung, Tzu-sui Hung, Victor C. Lin, Chun-Hsien Wu, Ching-Yu Hung, Chung-Hsien Chen, Richard Chen-Yu Wu, Yu-Lin Yang
CM100	Elucidation of the therapeutic role of nuclear respiratory factor-1 in the regulation of Prostate cancer 謝佩坊 , 陳忠賢 , 劉淑芬 , 洪崇仁 , 洪慈橞 , 張文騰 , 吳俊賢 , 黃景榆 , 吳振宇 , 林嘉祥 , 楊堉麟 Pei-fang Hsieh, Chung-Hsien Chen, Shu-Fen Liu, Tsung-Jen Hung, Tzu-sui Hung, Chun-Hsien Wu, Ching-Yu Hung, Richard Chen-Yu Wu, Victor C. Lin, Yu-Lin Yang
CM101	CPAP promotes tumor angiogenesis, migration, and metastasis via interacting with and enhancing the activity of STAT3 in HCC 陳若瑜 , 顏家瑞 , 林毅志 , 劉耀文 , 郭春國 , 翁婕瑜 , 洪良宜 Ruo-Yu Chen, Chia-Jui Yen, Yih-Jyh Lin, Yao-Wen Liu, Chun-Guo Guo, Chieh-Yu Weng, Liang-Yi Hung
CM102	The effects of Isokotomolide A and Secokotomolide A on inhibiting melanoma migration and inducing autophagy and apoptosis 黃俊穎 , 李小春 , 王惠民 * Jyun-Yin Huang, Xiao-Chung Li, Hui Min Wang*
CM103	A Novel Vesicular-Transport Pathway Mediates the Uptake of Cytoplasmic Proteins into Mitochondria 陳柏霖 , 陳俊宏 Po-Lin Chen, Chun-Hong Chen
CM104	Evaluation of the Aristolochic Acid-Absorbing Activity of Chitosan Microparticles in Zebrafish Embryos 蔡杰澐 , 董崇民 , 陳曜鴻 * Jie-Yun Cai, Trong-Ming Don, Yau-Hung Chen*
CM105	Colorectal cancer-derived induced pluripotent cancer cells via Yamanaka factor-reprogramming show diminished molecular and cancer phenotypes 丘淑雲 , 黃秋容 , 張國友 , 朱廣邦 Michele Sook Yuin Hiew, Chiu-Jung Huang, Kowit-Yu Chong, Kong Bung Choo
CM106	CPAP is involved in hepatocellular carcinoma cell migration via regulating the expression of MMPs through the IL6/STAT3 pathway 陳晉豪 , 陳若瑜 , 洪良宜 * Chin-Hao Chen, Ruo-Yu Chen, Liang-Yi*
CM107	An Organic Classification of Melanin Biosynthesis by Tyrosinase Inhibitors 傅翎 , 王惠民 *, Fu Ling, Hui Min Wang*
CM108	Sirtuins in Alzheimer’s Disease And Calorie Restricted Healthy Aging Model 謝欣庭 , 王培育 , 沈湯龍 , 陳靜宜 , 林劭品 Hsin-Ting Hsieh, Pei-Yu Wang, Tang-Long Sheng, Ching-Yi Chen, Shau-Ping Lin

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CB022	Clinical Analysis and Serotype Distribution of Non-Typhoid Salmonella Infection in Northern Taiwan 莊詠吉 , 余敏嘉 , 陳奇良 , 邱政洵 , 劉淑瑛 Yung-Chi Chuang, Min-Jia Yu, Chyi-Liang Chen , Cheng-Hsun Chiu, Shu-Ying Liu
CB023	Genotype and Carbapenem Resistance of Invasive Acinetobacter baumannii Isolates in Taiwan, 2015-2016 陳禹秀 , 劉淑瑛 , 王怡欣 , 邱政洵 Yu-Siou Chen, Shu-Ying Liu, Yi-Sin Wang, Cheng-Hsun Chiu
CB024	Prevalence of Gastrointestinal Viruses in Children in Taiwan 周雨青 , 吳文智 , 余嘉鵬 Yu-Ching Chou, Wen-Chih Wu, Chia-Peng Yu
CB025	Optimizing Laboratory Diagnosis of Cytomegalovirus (CMV) infection 陳之葉 , 賴明龍 Chih-Yeh Chen, Ming-Long Lai
CB026	Analysis of Elder Physical Examination and Lifestyle data to Predict of Renal Disease by Application of Data-mining 林冠祁 , 婁國仁 , 李承光 Kuan-Reng Lin , Kuo-Ren Lou, Cheng-Kuang Lee
CB027	the application and detection limit of BD-MAX automatic pathogen detector 陳奕彰 , 劉俊仁 Yi-Chan Chen, Jun-Jen Liu
CB028	Comparison the Difference of Semi-quantitative Assessment of Icterus and Hemolysis in Serum or Plasma between Two Chemistry Systems 王馨茹 , 王碧娥 *, 古伯文 , 甯孝真 Hsin-Ju Wang, Bih-Er Wang*, Po-Wen Gu, Hsiao-Chen Ning
CB029	Therapeutic Teicoplanin Monitoring Improve the Clinical Outcomes of Methicillin-resistant Staphylococcus aureus-infected Patients 古伯文 , 王信堯 , 吳丁樹 , 甯孝真 Po-Wen Gu, Hsin-Yao Wang, Ting-Shu Wu, Hsiao-Chen Ning
CB030	DNA Polymerase I Proofreading Exonuclease Activity is Required for Endonuclease V Repair Both In Vitro and In Vivo 林貴卿 , 蘇剛毅 , 林亮音 , 吳卓遠 , 張煒晨 , 顏榕宣 , 方偉宏 Kuei-Ching Lin, Kang-Yi Su, Liang-In Lin, Cho-Yuan Wu, Wei-Chen Chang, Rong-Syuan Yen, Woei-horng Fang
CB031	Reducing of broken microhematocrit tubes by quality improvement project 林威丞 , 王碧娥 *, 葛茂成 , 黃國龍 , 甯孝真 Wei-Cheng Lin, Bih-Er Wang*, Mao-Cheng Ge, Kuo-Lung Huang, Hsiao-Chen Ning
CB032	To Investigate Whether Mouse ACTH could be Detected by Siemens IMMULITE 2000 蔡孟暄 , 曾文賓 , 賴明龍 Men-Hsuan Tsai, Wen-Bing Tseng, Ming-Long Lai
CB033	Association of the DNA Repair Gene hOGG1 Polymorphisms with Nasopharyngeal Carcinoma 陳香蘭 *, 張美音 *, 池宇佳 , 鄭妍 , 涂雅鑫 , 唐光生 # Chen Hsiang-Lan*, Chang Mei-Yin *, Chih Yu-Chia, Zheng Yan, Tu Ya-Hsin , Tang Kung-Sheng#
CB034	Using CRIPSR/CAS9 Technology to Delete MicroRNAs in Human Neuroblastoma Cells to Study the Mechanism of Tumor Suppressive Effects 王克巍 , 李文博 , 胡忠怡 Ke-Wei Wang, Man-Pok Lei, Chung-Yi Hu

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PY052	Development of a Nucleic Acid Based Lateral Flow Immunoassay to Detect BK Virus in Renal Transplant Recipients 余冠毅 , 鄭傪憶 , 唐守宏 , 程君弘 , 陳英傳 , 黃怡慧 , 劉正哲 Kuan-Yi Yu, Yao-Yi Cheng, Shou-Hung Tang, Juin-Hong Cherng, Ying-Chuan Chen, Yi-Hui Huang, Cheng-Che Liu
PY053	Mechanism of Neurite Outgrowth and Visceral Hypersensitivity in Intestine 林俐妤 , 李映璇 , 佘孟萍 , 余佳慧 * Li-Yu Lin, Ying-Hsuan Li, Meng-Ping She, and Linda Chia-Hui Yu*
PY054	Attenuation of bronchopulmonary C-fiber activation-induced laryngeal closure following cervical spinal contusion in the rat 許可鈞 , 李昆澤 Ke-Jun Xu, Kun-Ze Lee
PY055	Effects of Soluble Epoxide Hydrolase Inhibitor on Excitotoxin- Induced Memory Impairment in Mice 胡雅瑜 , 郭怡敏 , 許珮蒨 , 謝奉勳 , 李怡萱 Ya-Yu Hu , Yi-Min Kuo, Pei-Chien Hsu, Feng-Shiun Shie, Yi-Hsuan Lee.
PY056	The Neuroprotective Effects of miR-196a on Neuronal Morphology through Targeting IMP3 in Huntington’s Disease 楊涵茵 , 楊尚訓 Han-In Yang, Shang-Hsun Yang
PY057	Blocking autonomic outflow weakens vasopressin V1 blocker on hemodynamic disturbance in different conditions before and after cold stimulation 謝孟廷 , 楊永年 , 林鈺傑 , 劉亞平 , 童吉士 Mong-Ting Hsieh, Yia-Ping Liu, Yu-Chieh Lin, Po-Lei Lee, Che-Se Tung
PY058	The study of 3D printing assisted electrospinning technology in producing tissue regeneration scaffold of urological diseases. 胡漢彥 , 白孟宜 , 于大雄 Han-Yen Hu, Meng-Yi Bai, Dah-Shyong Yu
PY059	Regulation of CARM1 by dual specificity phosphatase-2 in colorectal cancer 葛宇庭 , 林世杰 , 蔡少正 Yu-Ting Ge, Shih-Chieh Lin, Shaw-Jenq Tsai
PY060	Study on the Role of C-C motif chemokine ligand 17 (CCL17) in Human Renal Fibrosis 王文謙 , 李居哲 , 蔡任弼 , 謝逸憲 Wen-Chien Wang, Chu-Chi Lee, Jen-Pi Tsai, Yi-Hsien Hsieh
PY061	Transforming growth factor β-activated kinase 1 inhibition reduces microglia-induced neuroinflammation through suppressing MAPK/NF-κB signaling following experimental intracerebral hemorrhage 徐子晏 , 吳軍滬 , 李俊彥 , 柯嘉華 , 陳思甫 Tsu-Yen Hsu, Chun-Hu Wu, Chun-Yen Lee, Chia-Hua Ke, Szu-Fu Chen
PY062	Investigating the molecular mechanism underlying SPAK deficiency-induced depression-like behaviors and inflammatory cytokines were ameliorated by escitalopram 黃文誼 , 張盛堂 , 楊松昇 , 劉亞平 , 黃乃瑰 , 黃春霖 Wen-Yi Huang, Shang-Tang Chang, Sung-Sen Yang, Yia-Ping Liu, Nai-Kuei Huang, Chuen-Lin Huang
PY063	Chemogenetic interrogation of anxiety- and depression-like behaviours in a mouse model of fibromyalgia 黃慧怡 , 連正章 * Wai-Yi Wong, Cheng-Chang Lien*
PY064	The DNA methyltransferase 3L regulates the megakaryocytic differentiation through modulation of mitochondria functions 陳筱雯 , 俞懿珊 , 張原翊 Hsiao-Wen Chen, Yi-Shan Yu, Yuan-I Chang
PY065	mTORC1 activates MEL-18 to deSUMOylate HSF2 for IGF-IIR-mediated cardiac hypertrophy 黃祥晏 , 黃智洋 , 郭薇雯 , 黃志揚 Hsiang-Yen Huang, Chih-Yang Huang, Wei-Wan Kuo, Chih-Yang Huang
PY066	Sirt1 Activation by Post-ischemic Treatment with Lumbrokinase Protects Against Myocardial Ischemia-Reperfusion Injury 王羿忻 , 廖娟妙 , 黃相碩 Yi-Hsin Wang, Jiuan-Miaw Liao, Shiang-Suo Huang
PY067	Reactivity of Electroencephalographic Spectral Power to Light Stimulation and Body Movement in Mice 陳曉玫 , 郭紀偉 , 阮啟弘 , 謝宗勳 Hsiao-Mei Chen, Chi-Wei Kuo, Chi-Hung Juan, Tsung-Hsun Hsieh
PY068	Anti-tumor effects of a novel inhibitor of histone deacetylase 6, MPT0B291, on glioblastoma: in vivo and in vitro studies 吳凱 , 洪國盛 , 劉景平 , 王家儀 Buyandelger Batsaikhan, Kuo-Sheng Hung, Jing-Ping Liou and Jia-Yi Wang
PY069	Molecular mechanisms underlying the interaction between metabolic disorders and depression 蔡昇峰 , 郭余民 * Sheng-Feng Tsai, Yu-Min Kuo*
PY070	The Role of DUSP2 and Its Regulation in Pancreatic Cancer Metastasis 戴昱菁 , 王竹安 , 蔡少正 Yu-Jing Tai, Chu-An Wang, Shaw-Jenq Tsai
PY071	Microglial Apoptosis Mediates Neuronal Death After Stroke 王泓文 , 張雅雯 Hong-Wen Wang, Alice Y.W. Chang
PY072	3-week Social Isolation Induces Anxiety-like Behavior But Limits Breast Tumor Growth 劉思婧、蔡美玲 * Szu-Ching Liu, Mei-Ling Tsai*
PY073	Neonatal Disruptions of the Glutamate-Glutamine Cycle Reduce the Expression of Sexual Behaviors and Fertility of Female Rats 林毓雄 , 梁淑鈴 * Yu-Syong Lin1, Shu-Ling Liang*
PY074	Effects of Cyp11a1 knockout on the development of testis and germ cells 楊順喻 , 陳怡靜 , 胡孟君 Shun-Yu Yang, Yi-Jing Chen, Meng-Chun Hu

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PY075	Effects of Valproic Acid on Androgen Receptor and Prostate Cancer Cell Survival 高筱涵 , 高暐翔 , 余青翰 , 鄭旭辰 , 陳美智 , 林赫 Hsiao-Han Kao, Wei-Hsiang Kao, Ching-Han Yu, Hsu-Chen Cheng, Mei-Chih Chen, Ho Lin
PY076	Dual efficacy in neuro- and tissue-protection of platelet-rich plasma on erectile dysfunction in bilateral cavernous nerve injury rat model 曾筱雯 , 江漢聲 , 吳宜娜 Xiao-Wen Tseng, Han-Sun Chiang, Yi-No Wu
PY077	Effect of maternal high fructose and offspring high fat intake on programmed hypertension in young adult: The role of nutrient sensing signaling in the brain 翁家儂 , 楊家齊 , 趙詠梅 , 華瑜 * Chia-Nung Weng, Chia-Chi Yang, Yung-Mei Chao, Julie Yu-Hwa Chan*
PY078	Brain oxidative stress in the programming of hypertension in young offspring to maternal high fructose diet 楊家齊 , 翁家儂 , 趙詠梅 , 華瑜 Chia-Chi. Yang, Chia-Nung Weng, Yung-Mei Chao, Julie Y.H. Chan
PY079	Resveratrol Regulates Blood Pressure by Enhancing AMPK Signaling to Downregulate a Rac1-Derived NADPH Oxidase in the Central Nervous System 施景森 , 林育德 , 曾清俊 , 鄭珮妏 * Ching-Sen Shin, Yu-Te Lin, Ching-Jiunn Tseng, Pei-Wen Cheng*
PY080	Increased oxidative stress causes more severe damage to hippocampal neurons after TBI 何文孝 , Reni Ajoy, 顏嘉宏 , 周思怡 * ManHau-Ho, Reni Ajoy, Chia-Hung Yen, Szu-Yi, Chou*
PY081	The MicroRNAs Signature As Ancillary Diagnosis Biomarker For Urothelial Carcinoma In Dialysis Patients 林楨桓 , 陳建隆 , 李安倫 , 江昀儒 , 黃秋錦 , 馬念涵 Chen-Huan Lin, Chen- Lung Chen, Allen Li, Yun-Ru Chiang, Chiu-Ching Huang, Nianhan Ma
PY082	The effects of Angelica dahurica and Rheum officinale extracts on treating S.aureus-infected wound 楊皖婷 , 葛俊言 , 黃士耕 , 李茹萍 ,* Wan-Ting Yang, Chun-Yen Ke, Shyh-Geng Huang, Ru-Ping Lee,*
PY083	Repurpose of an Antidepressant on Rat Model of Dementia with Lewy Bodies 鄭亭琳 , 張彥婷 , 陳奕如 , 饒芯彤 , 何應瑞 *, 林志立 * Ting-Lin Zheng, Yen-Ting Chang, Yi-Ru Chen, Hsin-Tung Jao, Ying-Jui Ho*, Chih-Li Lin*
PY084	Knock-Out of CCR5 Aggravated Hyperglycemia, Insulin Resistance and Diabetic Nephropathy in High-Fat Diet-Fed Rodent Model. 張智鈞 *, 鄭芳怡 , 洪麗滿 * Chih-Chun Chang*, Fang-Yi Cheng, Li-Man Hung*
PY085	Interrogation of neural circuits in chronic nitroglycerin-induced mechanical hyperalgesia 陳世彬 , 連正章 Shih-Pin Chen, Cheng-Chang Lien
PY086	The effect of charges at the internal entrance on the conductance of KcsA channel 葉松翰 , 賴彥明 , 陳仁祥 Song-Han Yeh, Yen-Ming Lai, Ren-Shiang Chen

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PY087	The CCL5/CCR5 axis promotes vascular smooth muscle cell proliferation and atherogenic phenotype switching 林錦生 , 謝博軒 , 黃玲玲 , 涂雲瑾 , 蔡旻倩 * Chin-Sheng Lin, Po-Shiuan Hsieh, Ling-Ling Hwang, Yun-Chin Tu, Min-Chien Tsai*
PY088	Signal Regulation of Protein Kinase D on Leptin production in 3T3-L1 adipocytes 李彥成 , 盧主欽 Yen-Cheng Li, Juu-Chin Lu
PY089	Transcriptonal regulation of leptin by protein kinase D in 3T3-L1 adipocytes 吳濼宇 , 盧主欽 Ying-Yu Wu, Juu-Chin Lu
PY090	Cloning and characterization of human HMGA1 gene promoter 蔡素雲 , 陳建廷 , 王啟仲 Su-Yun Tsai, Jian-Ting Chen, Chi-Chung Wang
PY091	Hilar mossy cells mediate lamella-specific innervation along the hippocampal long axis Wahab Imam Abdulmajeed, 連正章 Wahab Imam Abdulmajeed, Cheng-Chang Lien
PY092	To investigate the effect of H. pylori infection on macrophage migration inhibitory factor (MIF) expression and gastric cancer development 顏薇軒 , 陳清元 , 陳逸琪 , 胡晃鳴 , 郭昭宏 , 橫山一成 , 郭富珍 , 吳登強 , 劉忠榮 * Wei-Hsuan Yen, , Ching-Yuan Chen, Yi-Chi Chen, Huang-Ming Hu, Chao-Hung Kuo, Kazunari K. Yokoyama, Fu-Chen Kuo, Deng-Chyang Wu, Chung-Jung Liu*
PY093	Visfatin promotes monocyte adhesion by upregulating ICAM-1 and VCAM-1 expression in endothelial cells via activation of p38-PI3K-Akt signaling and subsequent ROS production and IKK/NF-κB activation 陳倫魁 *, 林于婷 *, 簡登淵 , 吳亮宜 , 許庭嘉 , 官澤庭 , 吳少筠 , 郭清輝 , 何橈通 , 阮琪昌 ** Luen-Kui Chen*,Yu-Ting Lin*, Deng-Yuan Jian, Liang-Yi Wu, Ting-Chia Hsu, Tse-Ting Kuan, Shao-Yun Wu, Ching-Fai Kwok, Low-Tone Ho, and Chi-Chang Juan**
PY094	2-Aminoethoxydiphenyl borate protects against reactive oxygen species -induced cell injury in H9c2 cell 涂瑋嘉 , 楊昆達 Wei-Chia Tu, Kun-Ta Yang
PY095	Vagus Nerve Stimulation Suppresses Cortical Spreading Depression via Glutamate Receptor-dependent TrkB Signaling in the Nucleus Tractus Solitarii of Rats 劉姿婷 , 陳世彬 , 王署君 , 嚴錦城 * Tzu-Ting Liu, Shih-Pin Chen, Shuu-Jiun Wang, Jiin-Cherng Yen*
PY096	Differential Glutamate and GABA Release onto Hippocampal Dentate Cells by Supramammillary Nucleus Neurons Ajibola Musa Iyiola, 連正章 Ajibola Musa Iyiola, Cheng-Chang Lien
PY097	Lesions of nucleus accumbens core or shell affect methamphetamine-induced behavioral sensitization in rats 鄭凱恩 , 黃智偉 Cai-N Cheng, Andrew Chih Wei Huang*

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PY098	Interaction between hepatoma-derived growth factor (HDGF) and surface nucleolin (NCL) membrane complex in hepatoma cells 林姿妏 , 戴明泓 Tzu-Wen Lin, Ming-Hong Tai
PY099	MGCRABGAP Regulate Mammalian Spermiogenesis by Rap1 Modulation 柯智群 , 林盈宏 Chih-Chun Ke, Ying-Hung Lin
PY100	Development of a stress index based on heart rate and physical activity 蘇雅琪 , 吳承翰 , 陳玠文 , 林彥汝 , 楊靜修 , 郭博昭 * Ya-Chi Su, Cheng-Han Wu, Chieh-Wen Chen, Yen-Ju Lin, Cheryl. C. H. Yang, Terry B. J. Kuo
PY101	Whether acute environmental enrichment affects conditioned taste aversion induced by morphine or methamphetamine in rats 黃仲磊 , 黃智偉 Chung-Lei Huang and Andrew Chih Wei Huang
PY102	Abnormal Pain Sensitivity after Thalamic Hemorrhagic Stroke was Assuaged in P2X7 Knockout Mice 施希建 , 管永惠 , 徐百川 His-Chien Shih, Yung-Hui Kuan, Bai-Chaung Shyu

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PH035	The Novel Chimeric Fc-VEGF Dimer Attenuates Angiogenesis, Tumor Growth, and Intratumoral Hypoxia via Targeting VEGFR2-HIF-1α-VEGF/Lon Signaling 周含諭 , 蔡瑞玲 , 羅宇岡 , 李岳倫 Han-Yu Chou, Jui-Ling Tsai, Yu-Kang Lo, Alan Yueh-Luen Lee
PH036	Role of SEC14 and spectrin domains 1 (SESTD1) in the proliferation and differentiation of fetal neural stem cells 吳佳憲 , 陳建仲 , 許桂森 Jia-Sian Wu, Chien-Chung Chen, Kuei-Sen Hsu
PH037	Identifying long noncoding RNAs linked to cardiac regeneration capacity 許芸嘉 , 曾意軒 , 楊鎧鍵 Yun-Chia Hsu, Yi-Shuan Tseng, Kai-Chien Yang
PH038	A Novel C61-1 Attenuates Lipopolysaccharide-Mediated Matrix Metalloproteinases 9 Expression and Cytokines Production through Downregulation of STAT3/NF-κB Pathways and Activation inTHP-1 Cells 詹景勛 , 李宗徽 , 蕭哲志 Jing-Shiun Jan, Tzong-Huei Lee, George Hsiao
PH039	TSPO regulates HCV-induced insulin resistance 曹瓊文 *, 林裕民 , 錢昱潔 , 張儷馨 , 林君慈 Chiung-Wen Tsao* , Yu-Min Lin, Yu-Chieh Chien, Li-Hsin Chang, Chun-Tzu Lin
PH040	Study on the molecular mechanisms of Irisin-induced turning response at developing motoneuron 顏宏池 , 劉昭成 Hung-Chic Yen, Jau-Cheng Liou

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PH041	Anti-cancer Activities by compounds from Severinia buxifolia 黃聖凱 , 鄭源斌 , 李佩銜 , 王惠君 Sheng-Kai Huang, Yuan-Bin Cheng, Pei-Shian Li, Hui-Chun Wang
PH042	Investigation of the inhibitory effects of 2-iodo-4’-methoxychalcone on methylglyoxal-induced oxidative stress in human SH-SY5Y dopaminergic neurons 曾于庭 , 林志晟 , 張芳榮 , 羅怡卿 * Yu-Ting Tseng, Chih-Cheng Lin, Fang-Rong Chang, Yi-Ching Lo*
PH043	Fructose Causes Neuroinflammation in the Central Neuronal System may through CX3CL1-CX3CR1 axis to Mediate NO production in Fructose-fed Hypertensive Rat 何秋億，鄭珮妏，陳信宏，曾清俊 Chiu-Yi Ho, Pei-Wen Cheng, Hsin-Hung Chen, Ching-Jiunn Tseng
PH044	Investigation of the effects and mechanisms of novel compounds on retinal damage protection 謝馨慧 , 詹景勛 , 鄭幼文 , 李宗徽 , 蕭哲志 Irene Hsieh, Jing-Shiun Jan, Yu-Wen Cheng, Tzong-Huei Lee, George Hsiao
PH045	The mechanism for aberrant lysosomal biogenesis mediated zoledronic acid-induced cell death in human breast cancer cells 徐莉琳 , 曾令民 , 李新城 Li-Lin Hsu, Ling-Ming Tseng, Hsin-Chen Lee
PH046	A Novel Antinociceptive Target: Spinal α6 Subunit-Containing GABAA Receptors 黃彥棠 , 黃偉展 , Margot Ernst, Werner Sieghart, James Cook, 邱麗珠 Yen-Tang Huang, Wei-Jan Huang, Margot Ernst, Werner Sieghart, James Cook, Lih-Chu Chiou
PH047	Compare the adipogenesis inhibition by water and ethanol extracts of Coptis chinensis 楊婷伊 , 王惠君 Ting-Yi Yang, Hui-Chun Wang
PH048	Retrospective Analysis of Lung Cancer Care and Clinical Outcomes in Taiwan 鍾鏡湖 CHING-HU CHUNG
PH049	XBP1 and PERK have distinct roles in Abeta-induced pathology 程冠中 , 姜學誠 Kuan-Chung Cheng, Hsueh-Cheng Chiang
PH050	Exploring the Impact on Plasma Glucose of Steroid Induced Insulin Resistant Rats by the Mycelium of Ophiocordyceps sinensis 曹聖群 , 陳瑛宜 , 徐泰浩 , 張世良 Sheng-Chun Tsao，Ying-I Chen，Tai-Hao Hsu，Shih-Liang Chang*
PH051	Study the role of IRSP53 isoforms in regulating cell proliferation and motility in colorectal cancer cells 陳偉州 , 彭韻如 , 李易遐 , 呂增宏 Wei-Chou Chen, Yung-Ru Peng, I-Hsia Li, Tzeng-Horng Leu
PH052	Using single-cell tracing technique to elucidate SLK-ROCK interaction in endothelial and cancer cell migration 范誠祐 , 蔡佳蓉 , 林軒兆 , 尤鈴雅 , 蕭永振 , 張景程 , 蔡丰喬 Cheng-Yu Fan, Chia-Jung Tsai, Hsuan-Chao Lin, Ling-Yea Yu, Yung-Jen Hsiao, Ching-Cheng Chang, Feng-Chiao Tsai

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PH053	Bio-efficacy assessment of herbal eyelid cream in vivo for ameliorating UVB-driven inflammatory injury. 王炳勳 , 施佳呈 , 黃韻玶 , 林佳蓉 , 吳佳蓮 , 陳伯易 * Ping-Hsun Wang, Chia-cheng Shih, Yun-Ping Huang, Jia-Rung Lin, Jia-Lian Wu, Bo-Yie Chen*
PH054	The effects of Amphotericin B stimulation on microglial cells 陳晉文 , 林曉筠 , 劉雨書 , 賴聲威 , 盧大宇 * Jin-Wun Chen, Hsiao-Yun Lin, Yu-Shu Liu, Shang-Wei Lai, Dah-Yuu Lu*
PH055	Targeting Oncoproteins in Temozolomide-resistant Glioblastoma 陳霈帆 , 薛元碩 , 簡伯武 Pei-Fan Chen, Yuan-Shuo Hsueh, Po-Wu Gean
PH056	Isoorientin Decreases Invasiveness by Downregulating Monocarboxylate Transporter Activity in Human Lung Cancer Tissues and Cells 李欣怡 , 趙士齊 , 黃淑芬 , 黃淑富 , 李世俊 , 羅時鴻 Shin-Yi Lee, Shih-Chi Chao, Shu-Fen Huang, Shu-Fu Huang, Shih-Chun Lee, Shih-Hurng Loh
PH057	Investigation of the mechanism involved in EGF-induced fibronectin expression in head and neck squamous cell carcinoma 高蓓如 , 陳炳焜 Pei-Lu Kao, Ben-Kuen Chen
PH058	Caffeic Acid Phenethyl Ester Improves Hypoxia-Induced Reactive Oxygen Species and Inflammation in Corneal Endothelial BCE C/D-1b Cells 楊立健 , 林培正 , 張菡馨 , 董光中 * Li-Chien Yang, David Pei-Cheng Lin, Han-Hsin Chang, Kwong-Chung Tung*
PH059	The associations between serum IgE level, blood eosinophil, and clinical features in patients with COPD 鄭宇喬 , 許超群 , 郭柏麟 , 陳俊霖 , 鍾飲文 Yu-Chiao Cheng, Chau-Chyun Sheu, Po-Ling Kuo, Chun-Lin Chen, Inn-Wen Chong
PH060	Evaluating The Beneficial Effects of Probiotic Treatment on Infant Stress Exposure-induced Persistent Enhancement of Fear Learning 彭玄慧 , 許桂森 Hsuan-Hui Peng, Kuei- Sen Hsu
PH061	Changes in Platelet Reactivity Contribute to Heatstroke-Induced Coagulopathy in Rats 陳頡翰 , 廖美惠 , 吳錦楨 , 施志勤 Jye-Hann Chen, Mei-Hui Liao, Chin-Chen Wu, Chih-Chin Shih
PH062	The impact of Antrodia cinnamomea on fructose combined with streptozotocin induced diabetic animal model 傅渝庭 , 陳瑛宜 , 何偉真 , 張世良 Yu-Ting Fu, Ying-I Chen, Wai-Jane Ho, Shih-Liang Chang
PH063	Photo-inactivation of GABA Interneuron in the Ventral Tegmental Area Disrupts the Extinction of Methamphetamine Conditioned Place Preference 吳庭妤 , 陳景宗 * Ting-Yu Wu, Jin-Chung Chen*
PH064	Anti-inflammatory Effects of Pristimerin and Celastrol on TNF-α-Induced CCL20 Expression in Human Cardiac Fibroblasts 許紋欣 , 曾惠卿 , 楊春茂 Wun-Hsin Hsu, Hui-Ching Tseng, Chuen-Mao Yang
PH065	Interleukin-1β modulates adhesion molecule expression and monocyte adhesion in glioblastoma 沈靖凱 , 劉雨書 , 賴聲威 , 林曉筠 , 盧大宇 Ching-Kai Shen, Yu-Shu Liu, Sheng-Wei Lai, Hsiao-Yun Lin, Dah-Yuu Lu
PH066	Down-regulation of acid-extruding mechanism was necessary for early differentiation in hiPSCs 趙士齊 , 武國璋 , 戴念梓 , 羅時鴻 * Shih-Chi Chao, Gwo-Jang Wu, Niann-Tzyy Dai, Shih-Hurng Loh*
PH067	Mechanisms of vascular hyporeactivity caused by perivascular adipose tissue in CLP-induced septic rats 宋冠辰 , 廖美惠 , 吳錦楨 , 施志勤 Kuan-Chen Sung, Mei-Hui Liao, Chin-Chen Wu, Chih-Chin Shih

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海報編號	論文題目
AN017	Comparison between the effect of differentiated and undifferentiated umbilical cord mesenchymal stem cell in Streptozotocin (STZ) induced diabetic rats. 陳柏翰 , 蕭鎮源 , 徐佳福 ,, 陳天華 , 蔡佩君 Po-Han Chen, Chen-Yuan Hsiao, Jia-Fwu Shyu,, Tien-Hua Chen , Pei-Jiun Tsai
AN018	Study of the difference between normoxia-cultured and hypoxia-cultured human Wharton’s jelly mesenchymal stem cells 鄭詠元 , 蕭鎮源 , 陳天華 , 徐佳福 , 蔡佩君 Yung-Yuan Cheng, Chen-Yuan Hsiao, Tien-Hua Chen, Jia-Fwu Shyu, Pei-Jiun Tsai
AN019	Kainic Acid Intraperitoneal Injection Induced Tauopathy Rat Model 林立凡 , 趙韻婷 , 翁紹儒 , 鄭澄意 , 邱創新 , 林家望 , 馬國興 Li-Fan Lin, Yun-Ting Chao, Shao-Ju Weng, Cheng-Yi Cheng, Chuang-Hsin Chiu, Jia-Wan Lin, Kuo-Hsing Ma
AN020	Investigating the effects of peripheral blood-derived mesenchymal stem cell in Neural Xenograft in Parkinsonian Animal model using Animal-PET 翁紹儒 , 趙韻婷 , 顏若芳 , 黃雅瑤 , 薛晴彥 , 馬國興 * Shao-Ju Weng, Yun-Ting Jhao, Ruoh-Fang Yen, Ya-Yao Huang, Chyng-Yann Shiue, Kuo-Hsing Ma*
AN021	The Implementation of 3D Printing in Anatomy Teaching 陳加恩 , 黃雍協 , 吳俊賢 , 馬國興 Jia-En Chen, Yuahn-Sieh Huang ,Chun-Hsien Wu, Kuo-Hsing Ma
AN022	Aldehyde dehydrogenase 1 regulates Temozolomide-induced resistant glioblastoma in microenvironment 張謦譙 , 司君一 Cing-Yan Jhang, Chun-I Sze
AN023	Indoxyl Sulphate control bone homeostasis by regulating Osteoclast differentiation and function through Aryl Hydrocarbon Receptor 劉文治 , 嚴靜芬，徐佳福 * Wen-Chih Liu, Jen-Fen Yen, Jia-Fwu Shyu *

海報編號	論文題目
AN024	Investigating neuroprotective effects of 3-MA and NBQX in noise-induced hearing loss animal model 趙韻婷 , 王智弘 , 翁紹儒 , 周大凱 , 馬國興 Yun-Ting Jhao, Chih-Hung Wang, Ju-Shao Weng, Ta-Kai Chou, Kuo-HSing Ma
AN025	Wharton’ s Jelly Mesenchymal Stem Cells Promote Osteoblast Differentiation and Crosstalking between Osteoblast & Osteoclast through Klotho Regulation. 林怡君 , 朱慈暉 , 蕭鎮源 , 吳榮庭 , 陳駱瑋 , 陳柏翰 , 李以琳 , 何林佳 , 陳天華 , 徐佳福 Yi-Jun Lin, Tzu-Hui Chu, Cheng-Yuan Hsiao, Jung-Ting Wu, Lo-Wei Chen, Bo-Han Chen, Yi-Lin Lee, Lin-Chia Lo, Tien-Hua Chen, Jia-Fwu Shyu
AN026	The Protective Effects of Resveratrol on Corpus Callosum in the Kaolin-induced Hydrocephalus Rats 林余珊 , 鄭堤尹 , 江至文 , 賴筱雯 , 曾國藩 , 陳儷今 Yu-Shan Lin, Ti-Yin Cheng, Chih-Wen Chiang, Hsiao-Wen Lai, Guo-Fang Tseng, Li-Jin Chen
AN027	The role of globular adiponectin in osteoclast 李以琳 , 何林佳 , 徐佳福 Yi-Lin Lee, Lin-Chia Ho, Jia-Fwu Shyu
AN028	Automated synthesis and evaluation of F-18 FEONM as a potential PET tracer targeting tau protein in stz-induced Alzheimer’ s disease-like rat model 周大凱 1, 鄭澄意 2, 林立凡 2, 陳振宗 3, 翁紹儒 4, 馬國興 4* Ta-Kai Chou, Cheng-Yi Cheng, Li-Fan Lin, Jenn-Tzong Chen, Shao-Ju Weng, Kuo-Hsing Ma*
AN029	Exploring the dopamine system with optimal tissue clearing system: A pilot study 林家望 , 翁紹儒 , 趙韻婷 , 馬國興 Jia-Wang Lin, Shao-Ju Weng, Yun-Ting Jhao, Kuo-Hsing Ma
AN030	Folic Acid Tagged Nanoceria with Multifaceted Impacts on Cancer and Metastasis 沈軒宇 , 許美鈴 Hsuan-Yu Shen, Meei-Ling Sheu
AN031	Serotonin suppresses gastric tumor growth and epithelial-to-mesenchymal transition by targeting PPARg/IDO pathway and NK cells antitumor activity 林聖涵 , 許美鈴 Sheng-Han Lin, Meei-Ling Sheu
AN032	Investigate the therapeutic effect of Dental pulp stem cell and growth factor in the rat model of Parkinson’ s disease 陳德福 , 王仁霈 , 馬國興 , De-Fu Chen, Jen-Pei Wang, Kuo-Hsing Ma

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BC048	Investigation of Solute Carrier Family 27 (SLC27) in human breast cancer 周仕凱 , 許雅玲 , 甘蓉瑜 , 顏孟畿 Shih-Kai Chou, Ya-Ling Hsu, Jung-Yu Kan, Meng-Chi Yen
BC049	Combined Curcumin and Spermine Induces Human Melanoma Cell Death 洪明杰 , 謝寶萱 , 胡祐甄 , 黃姿菁 , 黃于綺 , 邱溥容 , 張基隆 Ming-Jie Hong, Bau-Shan Hiseh, Yu-Chen Hu, Tzu-Ching Huang, Yu-Ci Huang, Pu-Rong Chiu, Kee-Lung Chang1

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BC050	The roles and regulation of Angiopoietin-like 4 protein in drug-resistant melanoma stem-like cells 石珈瑜 , 劉人瑜 , 曾婷婷 , 李紹禎 ChiaYu Shih, JenYu Liu, TingTing Tseng, ShaoChen Lee
BC051	Nuclear IL-33 Regulates Glial Cell Proliferation and Differentiation 宋欣諭 , 黃暉庭 , 何佳芯 , 王之彥 , 陳威宇 , 曾淑芬 * Hsin-Yu Sung, Hui Ting Huang, Chia Hsin Ho, Chih Yen Wang , Wei-Yu Chen, Shun-Fen Tzeng*
BC052	The role of serpinB2 and its binding proteins in senescence 廖竹旋 , 謝錫賢 , 林敬哲 Ju-Shiuan Liao, Hsi-Hsien Hsieh, Jing-Jer Lin
BC053	MicroRNA 34a Combines with Interleukin 33 in Suppression Tumorigenic Activity of Rat Glioma Cells 陳氏青竹 , 王之彥 , 曾淑芬 * Thi Thanh Truc-Tran, Chih-Yen Wang, Shun-Fen Tzeng*
BC054	α-actinin 4 Knockdown Reduced Vasopressin-Induced Aquaporin-2 Expression in the Kidney Collecting Duct Cells 何承軒 , 余明俊 Cheng-Hsuan Ho, Ming-Jiun Yu
BC055	Serine 232 Phosphorylation Initiates HCV NS5A Hyper-Phosphorylation Cascade 潘亭均 , 許世勤 , 羅傑文 , 余明俊 Ting-Chun Pan, Shih-Chin Hsu, Chieh-Wen Lo, Ming-Jiun Yu
BC056	Auto-Cleavage at the NS3-NS4A Junction Is Required for NS5A Hyper-Phosphorylation 蔡佳倪 , 賴彥伶 , 余明俊 Chia-Ni Tsai, Yen-Ling Lai, and Ming-Jiun Yu
BC057	The alterations of extracellular matrix components in melanoma cells under hypoxia and anchorage independency. 吳靖柏 , 李紹禎 Ching Po Wu, Shao Chen Lee
BC058	Phosphorylation of adducin-1 by cyclin-dependent kinase 5 is important for cell migration and invasion 顏睿良 , 蘇珈誼 , 陳鴻震 Ruei-Liang Yan, Chia-Yi Su, Hong-Chen Chen
BC059	Screening and validation of XAF1 as potential target regulated by exosomal miRNA-1976 李采燕 , 曾婷婷 , 吳靖柏 , 鍾若筠 , 李紹禎 CaiYan Li, TingTing Tseng, Ching-Po Wu, Jo-Yun Chung, ShaoChen Lee
BC060	The TRBP-targeting drug screening identified Chinese herbs that sensitize breast cancer cells to tamoxifen treatment 陳曦 , 呂瑜珍 , 郭耀隆 , 傅子芳 , 陳百昇 Hei Chen,Yu-Jhen Lyu, Yao-Lung Kuo,Tzu-Fun Fu, Pai-Sheng Chen
BC061	Depletion of GATA binding protein 6 enhances rat glioma tumorigenesis 羅琮凱 , 何佳芯 , 彭怡禎 , 曾淑芬 Cong-Kai Luo, Chia-Hsin Ho, I-Chen Peng, Shun-Fen Tzeng
BC062	Correlation among the kinetics of hepatitis B virus RNAs, HBsAg and HBV DNAs in serum derived from chronically HBV-infected patients after end of treatment with or without viral rebound 吳姿璿 , 張定宗 , 劉紋君 Tz-shiuan Wu, Ting-Tsung Chang, Wen-Chun Liu

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BC063	Helicobacter pylori DNA Polymerase I is a Structure-Specific Endonuclease and Exonuclease Protein 鄭伊雯 , 陳呈堯 Yi-Wen Cheng, Cheng-Yao Chen
BC064	Small G protein Rab5 is required for aquaporin-2 Ser269 dephosphorylation during endocytosis 黃潔儀 , 余明俊 Kit Yee Wong, Ming-Jiun Yu
BC065	An investigation of neuroprotective effects and molecular mechanisms of Piracetam in patients with intracranial hemorrhage 郭千尹 , 李欣樺 , 謝佳羚 , 何筱莉 , 白宜巧 , 曾開遠 , 黃新心 , 黃建寧 , 林志立 Chein-Yin Guo, Hsin-Hua Li, Jia-Ling Hsieh, Hsiao-Li Ho, Yi-Chiao Bai, Kai-Yuan Tseng, Hsin-Hsin Huang, Chein-Ning Huang, Chih-Li Lin
BC066	The Effects of Liver Fibrosis Inhibition by Trapa Taiwanensis Nakai Fruit Extract in vitro and in vivo 洪暐智 , 邱義源 , 林志生 , 吳希天 Wei-Zhi Hong, Yih-Yuan Chiou, Chih-Sheng Lin, Hsi-Tien Wu
BC067	The functional studies of residues at the domain interface of human 4-Hydroxyphenylpyruvate dioxygenase 童文修 , 李慧珍 Wen-Xiu Tong、Hwei-Jen Lee
BC068	Roles of NLRP3 in high glucose-induced effects in mesangial cells, renal fibroblasts and macrophages 杜綺瑩 , 莊詔棠 , 侯惠娟 , 方筱旗 , 顧進裕 , 莊麗月 * Chi-Ying Du, Chao-Tang Chuang, Hui-Juan Hou , Hsiao-Chi Fang , Jinn-Yuh Guh , Lea-Yea Chuang*
BC069	Identification of Interaction Between Recombinant Horseshoe Crab Plasma Lectin and the Lipid Components of Lipopolysaccharide(lipid A) via MALDI-TOF MS 鄭川宏 , 張大慈 , 吳東昆 Chuan-Hung Cheng, Margaret Dah-Tsyr Chang, Tung-Kung Wu
BC070	The Synthesis of UDP-Glucuronic Acid for Glycosyltransferase-Catalyzed Steroidal Glucuronosides Production 葛朋哲 , 吳東昆 * Peng-Jhe Ge, Tung-Kung Wu*
BC071	Synthesis of Steryl-α-glycosides Using HP0421 from Helicobacter pylori and Their Anticancer Activity Assays 許文甄 , 吳東昆 Wen-Chen Hsu, Tung-Kung Wu
BC072	Analysis of the Relevance of Hypertension Medication and Depression and Breast Cancer in Taiwan by Health Protection Database 陳詠歆 , 張敏芳 , 張培均 Yong-Xin Chen, Min-Fang, Pei-Chun Chang
BC073	Russian Propolis Inhibits NLRP3 Inflammasome in Macrophages 張仁哲 , 勞克提斯瓦納 , 花國鋒 Jen-Che Cheng, Yerra Koteswara Rao, Kuo-Feng Hua
BC074	Characterization of signal pathway and protein complex responsible for oxidative stress-induced nuclear import of importin α1 黃絜莘 , 游佳融 Jie-Xin Huang, Chia-Jung Yu

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BC075	Cytosolic Malic Enzyme Protects Bronchial Epithelial Cells from the Damage of Cigarette Smoking 姜凱仁 , 張永龍 Kai-Ren Jiang, Yung-Lung Chang
BC076	Development of TaqMan probe-based real-time PCR for the identification of Banana Bunchy Top Virus 關政平 *, 黃翊瑋 , 陳涵葳 , 楊佐琦 Cheng-Ping Kuan*, Yun-JungTsai, Han-Wei Chen, Tso-Chi Yang
BC077	Exploring Axl Kinase Inhibitors for Human Malignancy 王慧貞 *, 廖助彬 , 陳柏廷 , 潘語之 , 林羽祥 , 郭秉銓 Hui-Chen Wang*, Chu-Bin Liao, Po-Ting Chen, Yu-Chih Pan, Yu-Hsiang Lin, Bing-Chiuan Kuo
BC078	Expression of a thermo-alkaliphilic lipase gene from Bacillus subtilis in recombinant Escherichia coli 郭睿群 , 劉妤婕 , 楊翊鈴 , 黃素華 * Ruei-Chun Kuo, Yu -Jie Liu, Yi-Ling Yang, Su-Hua Huang *
BC079	Exploring the role of Syndecan-2 overexpression in chemosensitivity of melanoma cells toward proteasome inhibition 謝巧萱 , 李紹禎 ChiaoHsuan Hsieh, ShaoChen Lee
BC080	Anti-inflammatory effect with de novo designed peptide on endothelial cell 黃忻婷 , 曹皓翔 , 許豪仁 , 江信仲 Hsin-Ting Huang, Hao-Hsiang Tsao, Hao-Jen Hsu, Shinn-Jong Jiang
BC081	Analysis of the Relevance of Hypertension Medication and Influenza in Taiwan by Health Protection Database 陳曉亭 , 張培均 Siao-Ting Chen, Pei-Chun Chang
BC082	Simvastatin treatment in VHL knockout mice decreases kidney inflammation and fibrosis 蕭如晴 , 徐沺 Hsiao Ju-Ching, Tien Hsu
BC083	The study of transcriptome differentiation for early clear-cell renal cell carcinoma tumorigenesis in the von Hippel-Lindau knockout model 許鈞亮 , 徐沺 Chun-Liang Hsu, Tien Hsu
BC084	Fibronectin induces fibrosis and inflammation and downregulates miR-133a and miR-29a via Akt in mouse mesangial cells 方筱旗 , 顧進裕 , 莊麗月 * Hsiao-Chi Fang, Jinn-Yuh Guh, Lea-Yea Chuang*
BC085	Study the Anticancer Effect and the Underlying Mechanisms of Tanshinone IIA 柯采伶 , 李柏融 , 姚朝元 , 簡如慧 , 何杏棻 Cai-Ling Ko, Bo-Rung Li, Yao-Chao Yuan, Ju-Huei Chien, Tsing-Fen Ho
BC086	Reduce the expression of proteolipid protein 2 with a small interfering RNA to observe the impact in glioma cells. 陳邑瑄 , 洪東源 , 蔡文銓 Yi-Hsuan Chen, Dueng-Yuan Hueng, Wen-Chiuan Tsai
BC087	Converting the Tumor Suppressor Function of WWOX to Tumor Promoting by Serine 14 Phosphorylation 何佩娟 , 郭湘鈴 , 張南山 * Pei-Chuan Ho, Hsiang-Lin Kuo, Nan-Shan Chang*

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BC088	N-acetylcysteine decrease the production of reactive oxygen species in cerebrospinal fluid of mouse infected with Angiostronglus cantonensis by induction apoptosis of cerebrospinal fluid eosinophil 陳怡廷 , 林雅玲 , 鍾麗玉 , 顏全敏 Yi-Ting Chen, Ya-Ling Lin, Li-Yu Chung, Chuan-Min Yen
BC089	Apicoplast genome replication DNA polymerase from Plasmodium falciparum is a Unique A-Family DNA Polymerase 羅綉瑩 , 陳沛蓁 , 陳呈堯 Siou-Ying Luo, Pei-Chen Chen, Cheng-Yao Chen
BC090	Antimicrobial resistance profiles among the clinical isolates of carbapenem-resistant Acinetobacter baumannii in hospital 蘇百薇 , 杜偉慈 , 莊麗月 * Pai-Wei Su, Wei-Ci Du, Li-Yeh Chuang *
BC091	Exploration of the herbal compounds as Inhibitors of atherosclerosis 賴屏如 , 張培均 Ping-Ju Lai, Pei-Chun Chang
BC092	A study of TCM chemical compounds for Alzheimer’s disease treatment 方思敏 , 張培均 Szu-Min Fang, Pei-Chun Chang
BC093	Anti-cancer drug design based on Chinese herb compounds 鄒昀芯 , 張培均 Yun-Hsin Tsou, Pei-Chun Chang
BC094	The Comparison of Wdr19- and Pkd1-targeting induce Polycystic Kidney Disease in Mice 游上萱 , 邱元佑 *, 蔣思澈 * Shang-Shiuan Yu, Yuan-Yow*, Si-Tse Jiang*

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海報編號	論文題目
IM010	The modulatory effects of IL-10 or TGF-β -expressing adenoviruses on mesenchymal stem cells and airway inflammation in ovalbumin-induced asthmatic mice 邱婉婷 , 林鉅倫 , 李岳倫 Wan-Ting Chiu, Chu-Lun Lin, Yueh-Lun Lee
IM011	Study on the modulatory effects of norisoboldine on immune effector cells and airway inflammation in a murine model of asthma 何冠增 , 林鉅倫 , 李岳倫 Kuan-Tseng Ho, Chu-Lun Lin, Yueh-Lun Lee
IM012	A prominent air pollutant, Indeno[1,2,3-cd]pyrene, enhances allergic lung inflammation via aryl hydrocarbon receptor 翁子軒 , 李宗霖 , 蘇湘涵 , 黃嘯谷 , 孫昭玲 Tzu-Hsuan Wong, Chon-Lin Lee, Hsiang-Han Su, Shau-Ku Huang, Jau-Ling Suen*
IM013	The expression of circulating adipokines and autoantibodies in the patients with rheumatoid arthritis and Sjögren’s syndrome 楊登和 Deng-Ho Yang
IM014	Interleukin-30 Suppresses T cell activation in Mouse Primary Biliary Cholangitis 陳虹汶 , 莊雅惠 Hung-Wen Chen, Ya-Hui Chuang
IM015	IL-37 Increases inflammation in Murine Immune-Mediated Liver Diseases Chia-I Lin, Ya-Hui Chuang
IM016	PRKCH in T cell migration: molecular mechanism and functional significance 林軒兆 , 蔡丰喬 , 賈景山 Hsuan-Chao Lin, Feng-Chiao Tsai, Jean-San Chia
IM017	MAPKK at the crossroads of inflammatory cytokines-induced myokine expression in C2C12 muscle cells Divya Malathy Ravinath, Ren-In You
IM018	Metabolic regulation of dendritic cell development 林彥佑 , 陳姿伶 , 李建國 * Yen-Yu Lin, Tzu-Ling Chen, Chien-Kuo Lee*
IM019	Phosphodiesterase 4B Regulates Dendritic Cell Differentiation and Innate Immune Gene Expression 楊景行 , 董孟融 , 熊得志 , 吳清平 , 莊宗顯 , 金秀蓮 Jing-Xing Yang, Meng-Rong Dong, Te-Chih Hsiung, Chin-Pyng Wu, Tsung-Hsien Chuang, S.-L. Catherine Jin

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MI009	GSK3beta Modulate Radiation Cytotoxicity by Inhibition of DNA Repair in Oral Squamous Cell Carcinoma 蔡明勳 , 呂姿瑩 , 劉仁賢 , 柯建志 , 林柔逾 , 謝雅茹 Ming-Hsun Tsai, Tzu-Ying Lu, Ren-Shyan Liu, Chien-Chih Ke, Lin-Rou Yu, Ya-Ju Hsieh
MI010	The Role of Radiation-Induced Autophagy In Radioresistance of Oral Squamous Cell Carcinoma. 傅勝騰 , 彭南靖 , 劉仁賢 , 柯建志 , 林柔逾 , 謝雅茹 Sheng-Teng Fu, Nan-Jing Peng, Ren-Shyan Liu, Chien-Chih Ke, Rou-Yu Lin, Ya-Ju Hsieh
MI011	Simulation of stereotactic body radiation therapy for canine nasal tumors 鄧福根 , 林冠亨 , 陳冠名 , 徐晨雄 , 蔡維達 , 闕心羚 , 邱顯傑 , 張正 , 吳東信 Fu-Ken Teng, Kuan-Heng Lin, Kuan-Ming Chen, Chen-Xiong Hsu, Wei-Ta Tsai, Hsin-Ling Kuan, Hsien-Chieh Chiu, Tung-Hsin Wu
MI012	Characterize ZIKA VLP 傅晟哲 , Jedhan Ucat Galula, 趙黛瑜 , 吳尚蓉 Sheng-Zhe Fu, Jedhan Ucat Galula, Day-Yu Chao, Shang-Rung Wu
MI013	A potent correlation between blood cofilin-1 level and human ages 呂志得 , 王鈞右 , 張淳湲 , 李易展 Jyh-Der Leu, Chun-Yu Wang, Chun-Yuan Chang, Yi-Jang Lee
MI014	Lanthanide-doped core-shell-shell nanocomposite for dual photodynamic therapy and luminescence imaging by a single X-ray excitation source 徐章傑 , 林學良 , 張正 Chang-Chieh Hsu, Syue-Liang Lin, C. Allen Chang
MI015	Cyanine-based imaging probe for dual modalities of NIR fluorescence and nuclear imaging in Arthritis 彭正良 , 施映霞 , 江秉芳 , 郭裕民 , 羅彩月 Cheng-Liang Peng, Ying-Hsia Shih, Ping-Fang Chiang, Yu-Min Kuo, Tsai-Yueh Luo

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CM109	REST is a crucial regulator for acquiring EMT-like and stemness phenotypes in hormone-refractory prostate cancer 張怡婷 , 林子平 , Mel Campbell, 潘競成 , 李淑慧 , 李新城 , 楊慕華 , 龔行健 , 張佩靖 Yi-Ting Chang, Tzu-Ping Lin, Mel Campbell, Chin-Chen Pan, Shu-Hui Lee, Hsin-Chen Lee, Muh-Hwa Yang, Hsing-Jien Kung, Pei-Ching Chang
CM110	HP1α SUMOylation by SUMO2 and SUMO3, distinguishing from SUMO1 in heterochromatin loading 鄭珮汝 , 葉昱妏 , 楊文明 , 姚雅莉 Pei-Ru Cheng, Yu-Wen Yeh, Wen-Ming Yang, and Ya-Li Yao
CM111	Characterization of IgT Regulated by Immunostimulants and Nodavirus Infection in Orange-spotted Grouper 周毓嫻 , 林昭芬 , 王廷瑜 , 陳宗嶽 Yu-Hsien Chou, Chao-Fen Lin, Ting-Yu Wang, Tzong-Yueh Chen
CM112	SUMO1, SUMO2, and SUMO3 SUMOylation Mediate HP1β Loading on Pericentric Heterochromatin 劉思龍 , 楊文明 , 姚雅莉 Sih-Long Liu, Wen-Ming Yang, Ya-Li Yao
CM113	Improving Mesenchymal Stem Cells by Small Molecules Cocktails 林柏亨 , 陳尚甫 , 賴培倫 , 呂仁 Bo-Heng Lin, Shang-Fu Chen, Pei-Lun Lai, Jean Lu
CM114	Development of fluorous platinum-based complexes as a new generation of anticancer drugs 李孟樺 #, 陳俊宇 #, 林倡葦 #, 王國鼎 , 陳泓維 , 朱駿維 , 何啟良 , 呂良賜 *, 沈家瑞 * Meng-Hua Lee#, Jun-Yu Chen#, Chang-Wei Lin#, Kuo-Ting Wang, Hung-Wei Chen, Chun-Wei Chu, Chi-Liang He, Norman Lu*, Chia-Rui Shen*
CM115	Osthole suppresses invasion and proliferation of esophageal cancer cells through inducing klotho expression and inhibiting PI3K/Akt activation 林平正 , 甘偉志 , 林昕誼 , 黃昭祥 * Ping-Cheng Lin, Wei-Chih Kan, Hsin-Yi Lin, Jau-Shyang Huang*
CM116	Synthetic Flavonoid WYC0209 Reduces Drug Resistant and Stemness Characters in Urothelial Cancer Cells 葉碧雯 , 尤亮恩 , 李威明 , 楊顓丞 , 黃俊農 , 李威明 , 吳永昌 , 吳文正 Bi-Wen Yeh, Liang-En Yu, Ching-Chia Li, Juan-Cheng Yang, Chun-Nung Huang, Wei-Ming Li, Yang-Chang Wu and Wen-Jeng Wu
CM117	Astaxanthin enforces cytotoxicity via p38 MAPK mediated Xeroderma pigmentosum complementation group C (XPC) down-regulation in human lung cancer cells 馬鵬芳 , 陳志誠 , 林園宸 , 吳佳鴻 , 彭宜萱 , 鄭皓妤 , 林芸薇 Peng-Fang Ma, Jyh-Cheng Chen, Yuan-Cheng Lin, Chia-Hung Wu, Yi-Shuan Peng, Hao-Yu Zheng, Yun-Wei Lin
CM118	Curcumin Enhances Gemcitabine-induced Cytotoxicity Via Down-Regulation Of MutS Homolog 2 (MSH2) Expression In Human Lung Adenocarcinoma A549 Cells 林園宸 , 陳志誠 , 馬鵬芳 , 吳佳鴻 , 彭宜萱 , 鄭皓妤 , 林芸薇 * Yuan-Cheng Linb, Jyh-Cheng Chena, Peng-Fang Mab, Chia-Hung Wub, Yi-Shuan Pengb, Hao-Yu Zhengb, Yun-Wei Linb*

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CM119	MiR-30a-5p Inhibits Epithelial-to-Mesenchymal Transition and Upregulates Expression of Tight Junction Protein Claudin-5 in Human Upper Tract Urothelial Carcinoma Cells 鍾悅華 , 李松洲 , 高英賢 , 羅浩倫 , 鄭元佐 , 林佩儒 , 戴明泓 *, 江博暉 * Chung YH, Li SC, Kao YH, Luo HL, Cheng YT, Lin PR, Tai MH*, Chiang PH*.
CM120	Molecular differences in OXPHOS, AD pathway, and proteasome in normal aging and Alzheimer’s affected brains 彭奕憲 , 湯佳薇 , 彭伊筠 , 張翊 , 陳建隆 , 郭書麟 , 吳立青 , 黃敏章 , 李弘謙 Yi-Shian Peng#, Chia-Wei Tang, Yi-Yun Peng, Hung Chang, Chien-Lung Chen, Shu-Lin Guo, Li-Ching Wu, Min-Chang Huang, Hoong-Chien Lee*
CM121	The inhibitory effects of zerumbone for colony formation and interleukine-8 production in lung cancer 徐婉茹 , 曾冠欽 , 黃蘭如 Wan-Ju Hsu, Guan-Chin Tseng, Lan-Ru Huang
CM122	Identify the epitope of chikungunya virus E2 protein 張瓊文 , 吳宗遠 Qiong-Wen Chang, Tzung-Yuan Wu
CM123	Production of Sweet Protein Mabinlin by Baculovirus Expression System 劉雅欣 Liu, Ya-Hsin
CM124	Experimental verification of genetic variants of BRCA1/2 with potential effects on RNA splicing 蘇凰凱 , 陳怡伶 , 何中良 Huang-Kai Su, Yi-Ling Chen, Chung-Liang Ho
CM125	The effect of heparinase III in bone healing in mouse model 劉晏文 , 劉逸軒 , 張雅珮 Yen-Wen Liu, I-Hsuan Liu, Ya-Pei Chang
CM126	Strategies for selecting high mAb expressing CHO cell lines 呂學霖 , 陳瀅如 , 滕昭怡 , 紀威光 Hsueh-Lin Lu, Ying-Ju Chen , Chao-Yi Teng, Wei-Kuang Chi
CM127	Transglutaminase 2 Promotes Migration and Invasion of Lung Cancer Cells 吳文俊 , 黃晟協 , 陳宛君 , 蔡奇珊 , 趙育麟 , 李宜儒 Wen-Jun Wu, Cheng-Hsieh Huang, Wuan-Chun Chen, Chi-Shan Tsai, Yu-Lin Chao, and Yi-Ju Lee
CM128	DNA methylation analysis of the epigenetic deregulation biomarker targeting PIP-CTB by using high-throughput sequencing in oral squamous cell carcinoma 王姵文 , 黃則達 Pei-Wun Wang, Tze-Ta Huang*
CM129	Effect of Ceramides at Early Lives Exposure on Behavior/Memory of Adult Mice 孫筠雅 , 林炎壽 * Yun-Ya Sun, Yenshou Lin*
CM130	Proteomic investigation of the influences of ethanol extract of Cordyceps militaris fruit body cultivated on silkworm pupa on the global gene expression in activated RBL-2H3 basophilic leukemia cells 郭筱茹 , 吳定峰 Hsiao-Ju Kuo, Ting-Feng Wu

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CM131	Exploration of the effects of silkworm pupa-cultured Cordyceps militaris (L.) Link fruit bodies on allergic rhinitis in vitro and in vivo 邱怡真 , 施宛吟 , 吳定峰 * Chiu-Yi Chen, Wan-Yin Shih, Ting-Feng Wu*
CM132	The effects of Cordyceps militaris (L.) Link fruit bodies grown on silkworm pupa on IgE-induced allergic reaction in RBL-2H3 cells and BALB/c mice. 鍾孟庭 , 施宛吟 , 吳定峰 * Meng-Ting Jhong, Wan-Yin Shih, Ting-Feng Wu*
CM133	Application of layer-by-layer self-assembled polypeptide nanofilms to regulate human mesenchymal stem cell morphology and proliferation 黃鈺雯 , 洪瑜涵 , 何心怡 , 羅俊民 Yu-Wen Huang, Yu-Han Hung, Sofia Gomez, Chun-Min Lo
CM134	The Potential Role of Epithelial Membrane Protein 1 in Chemoresistance of Urothelial Carcinoma 盧昱融 , 王怡文 , 周楠華 Lu YJ, Wang YW, Chow NH
CM135	The Antioxidant Effects of Lilium pumilum and Lilium formosanum Bulb Water Extracts 巴特 , 施養佳 Bat-Erdem B., Yang-Chia Shih
CM136	Application of Multifunctional Nanoparticle of specific co-delivery of epigallocatechin gallate and docetaxel for drug-resistant prostate cancer therapy 林偲男 , 李守倫 , 林宥欣 Yi-Nan Lin, Shou-Lun Lee, Yu-Hsin Lin
CM137	The antioxidant activity of Jaboticaba extract. 賴雲鈴 , 陳健祺 Yun-Ling Lai , Jian-Chyi Chen
CM138	Comparison of Serum Albumin-based Nanoparticles : Physicochemical Properties & Cellular Uptake 林欣哲 , 方逸萍 Hsin-Che Lin, Yi-Ping Fang
CM139	To identify host factors that regulate IAV replication through CRISPR screen 柯昱羽 , 蘇文琪 Yu-Yu Ke, Wen-Chi Su
CM140	Effects of Copper Nanoparticle on Escherichia coli 巴斯卡辛 , 曹禮醫 , 蘇伯琦 , 賴孟君 , 劉瑞雰 Bhaskar Singh, Li-I Tsao, Po-Chi Soo, Meng-Jiun Lai, Betty Revon Liu
CM141	Effect of Mangifera indica, Rosmarinus officinalis and Vitis vinifera ethanol extracts on GPR43 gene induction 吳冠霖 , 李怡萱 , 黃尉東 , 張雲祥 , 李泰林 Guan-Lin Wu, Yi-Xuan Li, Wei-Tung Huang, Yun-Shiang Chang, Tai-Lin Lee
CM142	Acupuncture Induced Dopamine Lowered Inflammation In The Eye To Inhibit Myopia Progression 周詠嵐 , 萬磊 Yung-Lan Chou, Lei Wan
CM143	Emodin included by glycyrrhetinic acid conjugated-β-cyclodextrin for liver targeting 侯依廷 , 蔡育勳 Yi-Ting Hou , Yu-Hsin Tsai

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CM144	The immunomodulatory effect of Qi-Wei-Du-Qi-Wan on repetitive Dermatogoides pteronyssinus challenged in asthmatic mice model 葉哲豪 , 葉婉君 , 陳梅芬 *, 林麗娟 *, 高尚德 * Jhe-Hao Ye, Wan-Chun Yeh, Mei-Fen Chen*, Li-Jen Lin*, Shung-Te Kao*
CM145	Effect of Caveolin-1 on Podosome Formation 徐繼煊 , 張恆愛 , 邱文泰 Ji-Xuan Xu, Heng-Ai Chang, Wen-Tai Chiu
CM146	The Effect of Ca2+ Oscillations on the Regulation of Mitochondrial Function by Optogenetics 陳永裕 , 黃柏翰 , 張永太 , 邱文泰 Yong-Yi Chen, Po-Han Huang, Young-Tae Chang, Wen-Tai Chiu
CM147	Activation of Ca2+-dependent Transcription Factors by Optogenetic Engineered Ca2+ Oscillations. 賴怡旬 , 張雅涵 , 邱文泰 Yi-Shyun Lai, Ya-Han Chang, Wen-Tai Chiu
CM148	To explore the Role of Galectin-8 in Triple-Negative Breast Cancer Cells Progression and Drug Resistance. 龐繼群 , 余永倫 Chi-Chun Pang, Yung-Luen Yu
CM149	MAPK signaling pathway regulates liver cirrhosis and hepatocellular carcinoma 張瓊方 , 盧賜蓉 , 吳思樺 , 洪子涵 , 鄭國祥 Chiung-Fang Chang, Ssu-Jung Lu, Szu-Hua Wu, Zih-Hang Hung, Kuo-Shyang Jeng
CM150	Molecular Characterization of Secondary Metabolites from Neosartorya fischeri on Human Colorectal Adenocarcinoma Cells 田乃月 , 葉昱彤 , 李冠漢 , 劉坤湘 Nai-Yueh Tien, Yu-Tong Yeh, Kuan-Han Lee, Kun-Hsiang Liu
CM151	A Potent and Selective CSF-1R Kinase Inhibitor, DCR-0064, Inhibits Colony Stimulating Factor 1 Signaling In Vitro and In Vivo 廖助彬 , 彭劭政 , 何承璇 , 黃鴻鈞 , 邱顯益 , 潘語之 , 陳又楷 Chu-Bin Liao, Shao-Zheng Peng, Chen-Hsuan Ho, Hung-Jyun Huang, Sian-Yi Ciou, Yu-Chih Pan, Yu-Kai Chen
CM152	High glucose induced pro-fibrotic and pro-inflammatory proteins in diabetic nephropathy is dependent on BRD4 陳美晨 , 顧進裕 , 莊詔棠 , 方筱琦 , 侯惠娟 , 莊麗月 * Mei-Chen Chen, Jinn-Yuh Guh, Chao-Tang Chuang, Hsiao-Chi Fang, Hui-Juan Hou, Lea-Yea Chuang*
CM153	The effects of storage temperature and duration of blood samples on DNA and RNA qualities 林配妯 , 李松洲 , 吳長益 Pei-Hsien Lin, Sung-Chou Li, Chang-Yi Wu
CM154	Study on the role of AKT in Type II diabetes mellitus and diabetic nephropathy 林倍渝 , 陳清助 , 廖文伶 , 陳瀅太 , 呂郁蕙 , 蔡輔仁 Bei-Yu Lin, Ching-Chu Chen, Wen-Ling Liao,Yng-Tay Chen, Yu-Huei Liu, Fuu-Jen Tsai
CM155	Purification, characterization analysis and gene cloning of a trypsin inhibitor from the Canavalia ensiformis seeds 李佳芩 , 吳佳蓉 , 洪志宏 * Chia-Chin Li, Chia-Jung Wu, Chih-Hung Hung*

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CM156	Hsp90 involves in EZH2/c-myc mediated BMI1 expression in breast cancer stem cells 陳怡穎 , 張文瑋 Yi-Ying Chen, Wen-Wei Chang
CM157	The involvement of NAD(P)H-Quinone Oxidoreductase 1 in radiation response of human breast cancer cells 張慕亞 *, 張文瑋 Mu-Ya Chang*, Wen-Wei Chang
CM158	Sinomenine inhibits migration and invasion of human lung cancer cells through downregulation of MMP-9 expression 蔡淑婷 , 廖苡晴 , 趙珮妤 , 陳詣淇 , 曾郁雯 , 陳品晟 Shu-Ting Tsai, Yi-Ching Liao, Pei-Yu Zhao, Yi-Qi Chen, Yu-Wen Zeng, Pin-Shern Chen
CM159	Control of the HC/LC ratio for improving yield of mAb in CHO cell lines 陳瀅如 , 滕昭怡 , 紀威光 Ying-Ju Chen, Chao-Yi Teng, Wei-Kuang Chi
CM160	Studies on the Metastatic Ability of Human Lung Cancer Cells CL1-0 Transfected with shDSC2-497-4 by Xenograft into Zebrafish Larvae 賴德豪 , 曾詠萱 , 葉羽真 , 莊穎華 , 蔡孟峰 , 黃尉東 * De-Hao Lai, Yong-Hsuan Zong, Yu-Chen Yeh, Ying-Hua Chuang, Meng-Feng Tsai, Wei-Tung Huang*
CM161	The Ethanolic Extracts of Swietenia Macrophylla Fruits Induced Cell Death in Human Breast, Melanoma and Lung Cancer Cells 黃薰毅 , 黃琇珍 Xun-Yi Huang, Xiu-Zhen Huang
CM162	The Clinical Correlation between Rac GTPases and GBM 王國安 , 賴韻如 , 沈林琥 Kuo-An Wang, Yun-Ju Lai, Sher Singh

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TX028	Role of miRNAs to regulate target genes lead to LoVo colon cancer cells resistance to CPT-11 陳明正 , 朱芫緣 , 郭薇文 , 廖柏翔 , 黃志揚 Ming-Cheng Chen, Yuan-Yuan Chu, Wei-Wen Kuo, Po-Hsiang Liao, Chih-Yang Huang
TX029	The Inhibitory Effects of Artemisia Absinthium Extracts on Leptin-Induced Proliferation and Migration of Human Breast Cancer MCF-7 Cells 吳映璇 , 陳璟賢 , 楊薇楨 , 陳亮妤 , 林慧萱 Ying-Hsuan Wu, Jing-Hsien Chen, Wei-Chen Yang, Liang-Yu Chen, Hui-Hsuan Lin
TX030	Hibiscus Sabdariffa Leaf Polyphenols and Epicatechin Gallate (ECG) Protect Human Endothelial Cells from Oxidized LDL-Induced Injury 陳璟賢 , 吳映璇 , 吳珮慈 , 呂欣怡 , 林慧萱 Jing-Hsien Chen, Ying-Hsuan Wu, Pei-Tzu Wu, Hsin-Yi Lu, Hui-Hsuan Lin
TX031	Advanced glycation end-products induces myoblast senescence to negatively regulate myogenesis 張方瑜 , 邱振源 , 劉興華 Fang-Yu Chang, Chen-Yuan Chiu, Shing-Hwa Liu
TX032	Low intensity pulsed ultrasound as a potential alternative therapy for kidney injury 駱瑞芝 , 姜至剛 , 劉興華 Jui Zhi Loh, Chih-Kang Chiang, Shing-Hwa Liu
TX033	NMDA Receptor Modulator Rescues Psychiatric Phenotypes in Mouse Model of Maternal Immune Activation 洪筠婷 , 陳紹寬 , 張家銘 , 邱筱涵 , 詹銘煥 Yun-Ting Hung, Shau-Kwaun Chen, Jia-Ming Chang, Hsiao-Han Chiu, Ming-Huan Chan
TX034	NMDA Receptor Modulator Rescues Psychiatric Phenotypes in Mouse Model of Maternal Immune Activation 陳紹寬 , 張家銘 , 邱筱涵 , 詹銘煥 Shau-Kwaun Chen, Jia-Ming Chang, Hsiao-Han Chiu, Ming-Huan Chan
TX035	A Seamless Phase II/III Adaptive Design for Clinical Trials with a Continuous Endpoint in the Chinese Area 張連成 , 劉佳佩 , 蕭金福 , 王兆儀 , 康照洲 Lien-Cheng Chang, Chia-Pei Liu, Chin-Fu Hsiao, Chao-Yi Wang, Jaw-Jou Kang
TX036	Topical application of glycolic acid suppresses the inflammasome and proinflammation cytokine by modulating NF- B signaling pathway in UVB-irradiated keratinocytes and mice skin 廖沛昀 , 林雨禎 , 湯曉君 *, 楊仁宏 * Pei-Yun Liao, Yu-Chen, Lin, Sheau-Chung Tang, Jen-Hung Yang*

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TX037	MicroRNA-6126 involves in TNBC tumorigenesis via Warburg effect by regulating GRP78 Nguyen Hoang Anh Kha, 黃志揚 , 郭薇雯 Nguyen Hoang Anh Kha, Chih-Yang Huang, Wei-Wen Kuo
TX038	DATS Enhances Doxorubicin Sensitivity on Breast Cancer and TNBC by Attenuating Warburg effect 何文昆 , 黃志揚 , 郭薇雯 Wen-Kun Ho, Chih-Yang Huang, Wei-Wen Kuo
TX039	Dysregulation of T-cell Functionality and Development by Fipronil 趙子揚 , 鄭尹華 , 王家琪 Tsu-Yang Chao, Yin-Hua Cheng, Chia-Chi Wang
TX040	The roles of Mitogen-activated Protein Kinases p38 alpha and beta in the human malignant melanoma cell A375 黃襄川 , 黃志揚 , 郭薇雯 Ng Shang Chuan, Chih-Yang Huang, Wei-Wen Kuo
TX041	Exposure to iron oxide nanoparticles aggravates neuroinflammation associated with experimental autoimmune encephalomyelitis 蕭雅萍 , 吳欣穎 , 詹東榮 Yai-Ping Hsiao, Hsin-Yin Wu, Tong-Rong Jan
TX042	Synthesis and photocytotoxicity of 13-O-lipophilic substituted berberine derivatives against human colon cancer cells 楊芳俞 , 許煇健 , 連重傑 , 陳奕翰 , 林鴻志 , 吳進益 * Fang-Yu Yang, Hui-Chien Hsu, Zhong-Jie Lian, Yi-Han Chen, Hong-Jhih Lin, Jin-Yi Wu*
TX043	Protease-Activated Receptor-1 Inhibition by Melatonin Leads to Suppression of Gastric Cancer Peritoneal Dissemination via Induction of ER Stress and CEBPb Cleavage 呂庭宇 , 許美鈴 Ting-Yu Lu, Meei-Ling Sheu
TX044	Serotonin Suppresses Gastric Tumor Growth and Epithelial-to-Mesenchymal Transition by Inhibiting via The Calpain-10/PPARg/ Pathway 林聖涵 , 許美鈴 Sheng-Han Lin, Meei-Ling Sheu
TX045	The Role of Aryl Hydrocarbon Receptor in Diabetic Retinopathy 賴德偉 , 許美鈴 * De-Wei Lai, Meei-Ling Sheu*
TX046	Performance of silver-containing activated carbon fiber in peritoneal dissemination of gastric cancer 張育瑄 , 許美鈴 , 柯澤豪 Yu-Hsuan Chang, Meei-Ling Sheu, Tse-HaoKo
TX047	Shenmai-Yin Inhibited Nifedipine Oxidation In Rats In Vitro And In Vivo 翁芸芳 , 王鴻展 , 盧重光 , 郭文瑄 Ueng, Yune-Fang, Wang, Hong-Jaan, Lu, Chung-Kuang, Kuo, Wun-Syuan
TX048	Establishment of PM2.5-induced renal dysfunction mice model and its metabolic analysis 李貫綸 , 林彥昌 Kun-Lun Li, Yen-Chang Lin

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TX049	Antimutagenic Activities of Extracts from Cordyceps Militaris in the Salmonella Mutagenicity Assay 李兆桐 , 張芯慈 , 郭孟欣 , 孫芳君 * Zhao-Tong Li, Sin-Cih Jhang, Meng-Sin Kuo, Fang-Chun Sun
TX050	Effect of N(G)-Nitro-L-arginine methyl ester on triclosan-decreased uterine smooth muscle contractile response in Sprague Dawley rats 顏嘉宏 , 何文孝 , 張雅淳 , 顏宏愷 , 廖遠東 , 謝季吟 , 周思怡 , 鄭丞傑 Chia-Hung Yen, Man Hau Ho, Ya-Chun Chang, Hung-Kai Yen, Ean-Tun Liaw, Chi-Ying Hsieh, Szu-Yi Chou, Cherng-Jye Jeng
TX051	Glycolic acid Attenuates the UVB-induced Aquaporin-3, Matrix Metallo Proteinase-9 Expression and Collagen Degradation in Keratinocytes and Mice skin 湯曉君 , 廖沛昀 , 林雨禎 , 楊仁宏 Sheau-Chung Tang, Pei-Yun Liao, Yu-Chen, Lin, Jen-Hung Yang
TX052	Unfolded Protein Responses Potentiated Uremic Sarcopenia through Pertubation of Myoblast Differentiation 鄭佳容 , 姜至剛 Jia-Rong Jheng, Chih-Kang Chiang
TX053	Benzo[a]pyrene- induced cell migration associated with AhR expression level in lung cancer cell. 蔡季濠 , 李青澔 , 李珍珍 , 鄭幼文 , 康照洲 Chi-Hao Tsai, Ching-Hao Li, Chen-Chen Lee, Yu-Wen Cheng, Jaw-Jou Kang
TX054	Investigation of the association of phthalate exposure with metabolic activation of estrogen in Taiwanese pregnant women 林昱廷 , 許聖言 , 林喆 , 陳達人 , 謝為忠 , 林伯雄 Yu-Ting Lin, Sheng-Yen Hsu, Che Lin, Dar-Ren Chen, Wei-Chung Hsieh, Po-Hsiung Lin

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海報編號	論文題目
PY103	Androgen receptor-IGF-1 axis-mediated chondrocyte proliferation is required for sex differences in postnatal skeletal bone growth 陳智傑 , 陳韻茹 , 莊凱盛 , 黃國恩 , 藍國忠 , 康宏佑 Chih-Chieh Chen, Yun-Ju Chen, Kai-Sheng Jhuang, Ko-En Huang, Ko-Chung Lan and Hong-Yo Kang
PY104	The Effect of Striatal Glutamate on L-dopa-Induced Dyskinesia in 6-OHDA-Lesioned Parkinson’s Disease Mice Model 黃予庭 , 陳景宗 Yu-Ting Huang, Jin-Chung Chen
PY105	SLC9A3 Protein Is Critical for Acrosomal Formation in Postmeiotic Male Germ Cells 汪雅雲 , 江漢聲 , 鄭喬尹 , 吳宜娜 , 林勇智 , 劉軒哲 , 蔡維恭 , 陳燕麟 , 林盈宏 Ya-Yun Wang, Han-Sun Chiang, Chiao-Yin Cheng, Yi-No Wu, Yung-Chih Lin, Hsuan-Che Liu, Wei-Kung Tsai, Yen-Lin Chen, Ying-Hung Lin
PY106	Green tea EGCG increases adipose-derived stem cell function in the treatment of liver aging in aged rats 許淵聖 , 陳冬生 , 郭薇雯 , 黃志揚 Yuan-Sheng Hsu, Tung-Sheng Chen, Wei-Wen Kuo, Chih-Yang Huang

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PY107	Effects of diosgenin on the testosterone production and sperm quality of rat 唐筱茜 , 郭東益 , 廖娟妙 , 余青翰 Hsiao-Chien Tang , Dong-Yih Kuo, Jiuan-Miaw Liao, and Ching-Han Yu
PY108	The role of YAP1 in enzalutamide-resistant prostate cancer 林世杰 Shih-Chieh Lin
PY109	Morphine conditioned place preference and conditioned taste aversion, and its withdrawal-induced depression, anxiety, and cognitive dysfunction for pharmacological treatments Chi-Wen Wu, Chen Yin Ou, Andrew Chih Wei Huang
PY110	Stress facilitated the reward effect on morphine-induced conditioned place preference paradigm in rats 林有上 , 黃智偉 * Yeou San Lim, Andrew Chih Wei Huang*
PY111	The Anti-tumor Effects and Mechanisms of HePOPa Extract on GBM tumor in vitro and in vivo. 張凱復 , 周恬而 , 陳奕君 , 陳祐淇 , 蔡女滿 * Kai-Fu Chang, Tien-Erh Chou, I-Chun Chen, Yu-Chi Chen, Nu-Man Tsai*.
PY112	BRAF Mutation Analysis in Hyperplastic Polyps and Tumors of Colorectal cancer in Taiwan. 林敬斌 , 王賀立 , 廖虹琇 , 許振東 , 蔡女滿 , *. Lin Ching-Pin, Ho-Li Wang, Hung-Hsiu Liao, Jeng-Dong Hsu，Nu-Man Tsai* .
PY113	To study the anti-cancer effect and mechanism of JuCHE extract combined with clinical drug cisplatin on melanoma. 黃曉凡 , 唐莉婷 , 洪芃昀 , 蔡女滿 Xiao-Fan Huang, Li-Ting Tang, Peng-Yun Hung, Nu-Man Tsai
PY114	Study the protection effect in diabetic retinopathy by PuLiCH active components 黃雅芝 , 黃曉凡 , 張凱復 , 蔡女滿 Ya-Chih Huang, Xiao-Fan Huang, Kai-Fu Chang, Nu-Man Tsai
PY115	To investigate PECeAt extract inhibiting hepatocellular carcinoma cells proliferation and inducing apoptosis 黃曉凡 , 黃雅芝 , 林丁寅 , 陳奕君 , 陳祐淇 , 蔡女滿 * Xiao-Fan Huang, Ya-Chih Huang, Ting-Yin Lin , I-Chun Chen, Yu-Chi Chen, Nu-Man Tsai .
PY116	The role of sphingomyelin in regulating adipocyte function 黃柔惠 , 盧主欽 Rou-Huei Huang, Juu-chin Lu
PY117	Protective Effect of Bauhinia championii on Ischemia/Reperfusion-Induced Cardiac Dysfunction 陳韻芳 , 陳威宇 , 林佳欣 , 郭昭麟 *, 李安生 * Yun-Fang Chen , Wei-Yu Chen, Chia-hsin Lin, Chao-Lin Kuo*, An-Sheng Lee *
PY118	Application of innovative nano-silver gauze dressing on antibacterial effect and healing facilitation of infectious wound 葛俊言 , 楊皖婷 , 黃士耕 , 林子揚 , 李茹萍 Chun-Yen Ke, Wan-Ting Yang, Shyh-Geng Huang, Zi-Yang Lin, Ru-Ping Lee*
PY119	Footshock-induced stress sensitized the reward effect on morphine-induced conditioned place preference paradigm in rats 盧裕壬 , 黃智偉 Yu Ren Lu and Andrew Chih Wei Huang*
PY120	Footshock stress alters conditioned place preference induced by methamphetamine in rats 單聖喆 , 黃智偉 Sheng Che Shan, Andrew Chih Wei Huang

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PY121	The effect of exercise on maternal behavior in the lactational DEHP-exposed female rats 李羿儒 *, 王錠釧 Yi-Ju Lee*, Dean-Chuan Wang
PY122	The Expression of Circular RNA CCDC66 Is Essential to The Development of Drug Resistance to Chemotherapeutic Reagents in Colorectal Cancer 蕭貴陽 , 蔡少正 Kuei-Yang Hsiao, Shaw-Jenq Tsai
PY123	Baseline-Dependent Effects of Memantine on Spatial Working Memory in The Rat 陳碩甫 , 廖瑞銘 Shuo-Fu Chen and Ruey-Ming Liao
PY124	Lesion of Lateral Orbitofrontal Cortex Did Not Affect Anxiety-related Behavior or Reward Discrimination in Rats 楊依樺 , 張玉辰 , 莊淳聿 , 廖瑞銘 Yi-Hua Yang, Yu-Chen Chang, Chun-Yu Chuang, Ruey-Ming Liao
PY125	The growth effect of Ganoderma lucidum on renal cells 于家城 , 鍾亞婷 , 吳明修 Yu Chia-Cherng, Chung Ya-Ting, Wu Ming-Shiou
PY126	Hypoxia imaging biomarker in assessing the therapeurtic effect of injectable in situ forming thermosensitive implant in a murine tumor model 李碧芳 , 邱南津 Bi-Fang Lee1, Nan-Tsing Chiu1
PY127	“Wanting” and “linking” of morphine in drug addiction 管皓翎 , 陳平文 , 黃智偉 Hao Ling Kuan, Ping Wen Chen, Andrew Chih Wei Huang
PY128	Smad4 SUMOylation is essential for memory formation through upregulation of the skeletal myopathy gene TPM2 徐偉倫 , 馬允立 , 劉彥呈 , 李小媛 * Wei-Lun Hsu, Yun-Li Ma, Yen-Chen Liu, Eminy HY Lee *
PY129	Mechanisms Underlying the Neuroprotective Effects of Pifithrin-alpha Oxygen Analogue Against Traumatic Brain Injury in the Striatum: Suppression of Neuroinflammation, Oxidative Stress, Autophagy, and Apoptosis 黃雅妮 , 王家儀 Ya-Ni Huang, Jia-Yi Wang
PY130	Role of hypothalamic leptin-LepRb signaling in NPY-CART-mediated appetite suppression in amphetamine-treated rats 郭東益 , 余青翰 , 謝易修 , 陳霈霓 , 廖娟妙 Dong-Yih Kuo, Ching-Han Yu, Yih-Shou Hsieh, Pei-Ni Chen, Jiuan-Miaw Liao
PY131	Effects of the Andrographis Paniculata extract on antifibrogenesis and protection of cells from oxidative stress-induced death 盧惠萍 Hui-Pin Lu
PY132	Targeting virulence for dairy cow mastitis: systematic protein interactome analysis of glycosaminoglycans using Escherichia coli proteome microarray 陳宜琳 , 周子媛 , 陳健生 , 蕭士翔 * Yi-Lin Chen, Tzu-Yuan Chou, Chien-Sheng Chen, Felix Shih-Hsiang Hsiao*
PY133	Restoration of erectile function with intracavernous injections of smooth muscle progenitor cells after bilateral cavernous nerve injury in rats 曾筱雯 , 江漢聲 , 吳宜娜 Xiao-Wen Tseng, Han-Sun Chiang, Yi-No Wu

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PY134	Grail is involved in adipocyte differentiation and diet-induced obesity 呂姵瑤 , 林慧足 , 劉得榮 , 吳雪齡 , 謝博軒 , 陳英傳 Pei-Yao Liu, Hui-Tsu Lin, Te-Jung Liu, Hsueh-Ling Wu, Po-Shiuan Hsieh, Ying-Chuan Chen
PY135	D-Cycloserine Ameliorates Autism-Like Deficits by Removing GluA2-Containing AMPA Receptors in a Valproic Acid-Induced Rat Model 吳函芳 , 林惠菁 Han-Fang Wu, Hui-Ching Lin
PY136	A New Strategy for Drug Development–From Bedside to Clinic 楊淳如 , 黃挺碩 , 李棟樑 , 楊剛仲 , 袁新盛 , 盧瑞華 , 謝忠和 , 徐于喬 Chun-Ju Yang, Ting-Shuo Huang, Tung-Liang Lee, Kang-Chung Yang, Shin-Sheng Yuan, Ruey-Hwa Lu, Chung-Ho Hsieh, Yu-Chiau Shyu
PY137	Molecular mechanisms of cell cycle arrest in ATG4B-targetted cancer cells 徐志文 , 蔡維倫 , 鄭錦翔 , 黃一菲 Chih-Wen Shu, Wei-Lun Tsai, Jin-Shiung Cheng, I-Fei Huang
PY138	Snail acts as a prognostic biomarker for breast invasive ductal carcinoma patients with HER2/EGFR-positive subtypes 曾彥敦 , 張惠宥 , 張宏泰 , 陳玉佳 , 徐志文 , 劉慧涵 , 葛魯蘋 *, 劉佩芬 * Yen-Dun Tony Tzeng, Hui-Yu Chang, Hong-Tai Chang, Yu-Chia Chen, Chih-Wen Shu, Huei-Han Liou, Luo-Ping Ger*, Pei-Feng Liu*
PY139	Epithelial Response to Bacterial Internalization in Colitis-associated Colon Cancers 林柏諭 , 李憶萱 , 白宇辰 , 翁儷庭 , 胡玫昀 , 薛茆文 , 董雅玲 , 魏淑鈐 , 倪衍玄 , 余佳慧 * Po-Yu Lin, Yi-Hsuan Li, Yu-Chen Pai, Li-Ting Weng, Mei-Yun Hu, Yin-Wen Shune, Ya-Ling Tung, Shu-Chen Wei, Yen-Hsuan Ni, Linda Chia-Hui Yu*
PY140	Effects of DNA repairing enzyme, NEIL1 on adult hippocampal neurogenesis 郭宜盈 , 陳珮君 Yi-Ying Kuo, Pei-Chun Chen
PY141	Characterization of Putative Potassium Selectivity Channels in T. Vaginalis. 林偉強 , 楊世斌 , 戴榮湘 Wai-Keong Lim, Shi-Bing Yang, Jung-hsiang Tai
PY142	Long Noncoding RNA NDRG1-OT1_v4 Regulates Cell Migration Not through Acting as miRNA Sponge in Breast Cancer Cells 羅俊良 , 蔡孟勳 , 莊曜宇 , 賴亮全 Jun-Liang Luo, Mong-Hsun Tsai, Eric Y. Chuang, Liang-Chuan Lai
PY143	Analysis of mitochondrial dynamics and function in HL-1 cardiomyocytes under oxidative stress 沈君輝 , 林偉強 , 陳復中 , 王翊豪 , 林玉雯 * Jun-Hui Shen, Wai-Keong Lim, Fu-Chung Chen, Yi-Hau Wang, Yu-Wen Lin*
PY144	The role of KATP channel in mesolimbic system of high fat diet induced depression mice model 林玠寬 , 陳珮君 * Jie-Kuan Lin and Pei-Chun Chen*
PY145	Investigate the Effects of MiR196a on Mitochondrial Functions in Huntington’s disease 林佳葳 , 楊尚訓 Chia-Wei Lin, Shang-Hsun Yang
PY146	Targeting ATP sensitive potassium channel (KATP) to tackle the pathogenesis and levodopa-induced dyskinesia associated with Parkinson’s disease 鄭嘉惠 , 陳珮君 Chia-Hui Cheng, Pei-Chun Chen
PY147	Artocarpin induces mitochondria-associated cell death through reactive oxygen species signaling in human glioblastoma cells 郭庭亦 , 李宜達 TING-YI KUO, I-TA LEE
PY148	Carbon monoxide releasing molecule-2 inhibits Pseudomonas aeruginosa-induced lung inflammatory responses 曾翠琳 , 李宜達 , 朱培銘 Cui-Lin Zeng, I-Ta Lee, Pei-Ming Chu
PY149	Atrial Natriuretic Peptide Modulates Electrophysiological Characteristics and Calcium Homeostasis in Pulmonary Veins and Left Atrium 吳蕙君 , 林豐智 , 鄭寶雲 , 陳耀昌 * Hui-Chun Wu, Fong-Jhin Lin, Pao-Yun Cheng, Yao-Chang Chen*
PY150	Impact of Group Housing Quantity and Quality on the Stress-induced Decreases in Dentate Newly Proliferated Cell and Neuroblast 孫莉涵 , 游一龍 ,* Li-Han Sun, Lung Yu,*
PY151	Targeting galectin-1 in hepatic stellate cells inhibits liver cancer invasion via suppressing TNF-alpha/JNK/c-Jun signaling 楊凱卉 , 崔菀琳 , 吳明恒 Kai-Huei Yang, Wan-Lin Tsui, and Ming-Heng Wu
PY152	Targeting inhibition of polyglutamine expanded androgen receptor aggregation via the induction of ubiquitin-proteasome degradation pathways 魏國鼎 , G Sobue, H Adachi, 康宏佑 * Kuo-Ting Wei, G Sobue, H Adachi, Hong-Yo Kang*
PY153	The functional role of MICU1 in renal mitochondrial calcium homeostasis 張延婌 , 劉冠宏 , 蔣思澈 , 宋俊明 , 蔡曜聲 * Yan-Shu Jhang, Kuan-Hung Liu, Si-Tse Jiang, Junne-Ming Sung, Yau-Sheng Tsai *

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海報編號	論文題目
PH068	Long Non-coding RNA Lnc-Fibrogen and Its Host Gene TXNDC5 Are Required for Ischemia/Reperfusion Injury-Induced Renal Fibrosis 趙珮宇 , 楊鎧鍵 Pei-Yu Jhao, Kai-Chien Yang
PH069	Imperatorin Attenuates Zymosan-Induced Pulmonary Inflammation in Alveolar Macrophages 李亞蓁 , 葉威蘭 * Ya-Zhen Li, Wei-Lan Yeh*
PH070	Cardamonin Reduces Phorbol 12-Myristate 13-Acetate-Induced Pulmonary Inflammation in Alveolar Macrophages 王琮凱 , 葉威蘭 * Tsung-Kai Wang, Wei-Lan Yeh*

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PH071	Role of Cannabinoid Receptor 1 in Aggression 劉于甄 , 簡伯武 Yu-Chen Liu, Po-Wu Gean
PH072	Astrocyte Heme Oxygenase-1 is neuroprotective after Intracerebral Hemorrhage 馬聖凱 Jing Chen-Roetling, Kamalapathy Pramod, Wei Song, Hyman M. Schipper, Raymond F. Regan
PH073	Electroacupuncture treatment attenuated neuropathic pain and reversed morphine-induced analgesic tolerance in chronic constriction injury (CCI)-induced mice 李鳴達 , 李欣蓉 , 邱麗珠 Lee Ming-Tatt, Hsin-Jung Lee, Lih-Chu Chiou
PH074	Effects of continual administration of rapamycin on blood glucose and chromium disttributions in high protein diet-induced weight loss C57BL6/J mice 張耿瑞 Geng-Ruei Chang
PH075	Chrysin induces the comparable degree of effectiveness as to 5-fluorouracil combined with oxaliplatin through an autophagy-associated manner in human colorectal cancer cells 簡佩萱 , 林岳民 , 鄭功全 , 潘曉琳 , 陳韻如 * Pei-Hsuan Chien#, Yueh-Ming Lin#, Kung-Chuan Cheng, Hsiao-Lin Pan, Yun-Ju Chen*
PH076	Adenoviral Transfer of Alpha-Melanocyte-Stimulating Hormone Gene to Mediate Neuropathic Pain Induced by Chronic Constriction Injury 陳昭廷 , 郭孝美 , 戴明泓 , 林彥佑 , 陳俊宏 , 溫志宏 Chao-Ting Chen, Hsiao-Mei Kuo, Ming-Hong Tai, Yen-You Lin, Chun-Hong Chen, Zhi-Hong Wen
PH077	The Marine Derived Histone Deacetylase Inhibitor (PYC001) in a Rat Model of Neuropathic Pain 陳姵宇 , 郭孝美 , 陳俊宏 , 林彥佑 , 溫志宏 Pei-Yu Chen, Hsiao-Mei Kuo, Chun-Hong Chen,Yen-You Lin, Zhi-Hong Wen
PH078	Neuronal Mechanisms of Fasting-dependent Learning in Drosophila melanogaster 姚姿卉 , 姜學誠 Tzu Hui Yao, Hsueh Cheng Chiang
PH079	Age Associated Changes in Cognitive Functions in miR-195 Knockout Mice 甘逸凡 , 趙詠梅 , 華瑜 * Yi-Fan Kan, Yung-Mei Chao, Julie Y.H. Chan*
PH080	Mechanisms of LPS-induced matrix metalloproteinase-9 expression suppressed by pristimerin in rat brain astrocytes 郭景銘 , 楊建中 , 楊春茂 Jing-Ming Guo, Chien-Chung Yang, Chuen-Mao Yang
PH081	Mechanisms of silicon dioxide-induced cyclooxygenase-2 expression and inflammation in human tracheal smooth muscle cells 王思穎 , 陳毓文 , 王震宇 , 楊春茂 Ssu-Ying Wang, Yu-Wen Chen, Chen-yu Wang, Chuen-Mao Yang
PH082	Theissenolactone C Exhibited Ocular Protection in Endotoxin-Induced Uveitis by Attenuating Ocular Inflammatory Responses and Glial Activation 林凡立 , 何昭德 , 鄭幼文 , 邱春億 , 顏敬倫 , 張宏名 , 李宗徽 , 蕭哲志 * Fan-Li Lin, Jau-Der Ho, Yu-Wen Cheng, George C.Y. Chiou, Jing-Lun Yen, Hung-Ming Chang, Tzong-Huei Lee*, George Hsiao*
PH083	Association between heavy metal levels and acute ischemic stroke 林清煌 , 許依婷 , 顏正昌 , 陳信宏 , 盧玉強 , 華瑜 , 曾清俊 * Ching-Huang Lin, Yi-Ting Hsu, Cheng-Chung Yen, Hsin-Hung Chen, Yuk-Keung Lo, Julie Yu-Hwa Chan, Ching-Jiunn Tseng*
PH084	Studies on the antiplatelet effect and mechanism of action of juglone 高靖傑 , 鄭源斌 , 張芳榮 , 吳志中 Ching-Chieh Kao, Yuan-Bin Cheng, Fang-Rong Chang, Chin-Chung Wu
PH085	Heme Oxygenase-1 Induction by Carbon Monoxide Releasing Molecule-3 Suppresses Interleukin-1b-Mediated Neuroinflammation 楊建中 , 林志中 , 楊春茂 * Chien-Chung Yang, Chih-Chung Lin, Chuen-Mao Yang*
PH086	Pentachloropseudilin inhibits TGF-β activity through promoting TGF-β type II receptor degradation 鍾智聆 , 陳俊霖 Chih-Ling Chung, Chun-Lin Chen
PH087	Sorafenib inhibits TGF-β signaling by accelerating TGF-β type II receptor degradation. 王士瑋 , 陳俊霖 Shi-Weigh Wang[1], Chun-Lin Chen[1]
PH088	The roles of PARP-1 in UV-induced inflammasome activation and skin damage 邱鈴雅，吳南霖，洪啟峯，林琬琬 Ling-Ya Chiu, Nan-Lin Wu, Chi-Feng Hung, Wan-Wan Lin
PH089	Fucoidan Induced Cell Apoptosis may through Generation of ROS and Disruption of Mitochondrial Membrane Potential in Human Renal Cancer Cells 林暐棟 , 翁永弘 , Valens Munyembaraga, 林于傑 , 楊軍建 , 陳永佳 , 楊玉嬌 , 洪秀貞 , 邱慧芬 Wei-Tung Lin, Yun-Hong Wong, Valens Munyembaraga, Yu-Chieh Lin, Chun-Chien Yang, Yung-Chia Chen, Yu-Chaio Yang, Show-Jan Hong, Hui-Fen Chiu
PH090	Fucoidan Induced Cell Cycle Arrest and Apoptosis May through Epigenetic and Immune Check Point Regulation in Human Lung Cancer Cells 翁永弘 , 林暐棟 , Valens Munyembaraga, 林于傑 , 陳永佳 , 楊玉 , 洪秀貞 , 邱慧芬 * Yun-Hong Wong, Wei-Tung Lin, Valens Munyembaraga, Yu-Chieh Lin, Yung-Chia Chen, Yu-Chaio Yang, Show-Jan Hong, Hui-Fen Chiu*
PH091	Effect of new microbial origin compound on virus to orchid infectivity and T4 bacterial phage to E Coli infectivity. 李孟真 , 郭惠如 , 劉炳嵐 , 張清安 Meng-Jen Lee, Huei-Ru Kuo, Bing-Lan Liu, Ching-An Chang
PH092	P7C3 protects against cerebral ischemic injury through GSK-3 inhibition by activation of GLP-1R in Mice 沈郁強 *, 王雅惠 , 劉國同 , 陳昌明 Yuh-Chiang Shen*, Yea-Hwey Wang, Kou-Tong Liou, Chang-Ming Chern
PH093	The Effect of Alanyl-glutamine on Platelet Aggregation 董慧萍 Huei-Ping Dong
PH094	Glyoxalase 1 inhibitor combined with methylglyoxal enhances antitumor activity in lung cancer cells 林思維 , 林琬琬 Szu-Wei Lin, Wan-wan Lin

PH095	Involvement of NLRP3 Inflammasome in the Generation of Cortical Spreading Depression Induced by KCl in Mice 謝勛庭 , 陳世彬 , 王署君 , 嚴錦城 Hsun-Ting Hsieh, Shih-Pin Chen, Shuu-Jiun Wang, Jiin-Cherng Yen
PH096	Expression of TRPM8 in cerebral cortex and its role in the generation of cortical spreading depression in rats 曾群雅 , 陳世彬 , 王署君 , 嚴錦城 Chyun-Yea Tseng, Shih-Pin Chen, Hung-Tsang Yen, Jiin-Cherng Yen
PH097	Roles of Galectin-1 in Erythropoiesis and Megakaryocyte Differentiation 鄭景元 , 林琬琬 Ching-Yuan Cheng, Wan-Wan Lin
PH098	Sesamol protects against oxidative stress injury of atherogenic L5 via Stat3-HIF-1α-p53 陳莉蓁 , 洪暄綸 , 陳芳玉 , 沈明毅 Li-Zhen Chen, Hsuan-Lun Hung, Fang-Yu Chen, Ming-Yi Shen
PH099	Hispidulin Induces Apoptosis and Suppresses Migration in Human Melanoma Cells 陳亭蓁 , 李欣儒 , 洪啟峯 Ting-Chen Chen, Hsin-Ju Li, Chi-Feng Hung
PH100	Intracellular pH Regulating Mechanism in Human Melanoma Cells- Genetic to Translational Medicine 楊騏毓 , 羅時鴻 Oscar Yang1,2, Shih-Hurng Loh
PH101	Role of hydrogen sulfide in methamphetamine-induced enhancement of baroreflex response of the rat 陳芷涵 , 嚴錦城 , 顏鴻章 * Chih-Han Chen, Jiin-Cherng Yen, David Hung-Tsang Yen*

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AN033	Microglial responses in the dentate gyrus after 72-hour sleep deprivation in mice 曹志瑜 , 段立珩 , 李立仁 Chih-Yu Tsao, Li-Heng Tuan, Li-Jen Lee
AN034	The biological effects of Brazilian mushrooms on fibroblasts 官振聖 , 柯雅淳 , 陳譽齡 , 劉威忠 , 耿念慈 Guan Jen-Sheng, Ke Ya-Chuen, Chen Yu-Ling,Liu Wei-Chung, Keng Nien-Tzu
AN035	Analysis of cordycepin content of Cordyceps militaris 柯雅淳 , 官振聖 , 陳譽齡 , 劉威忠 , 耿念慈 Ke Ya-Chuen , Guan Jen-Sheng, Chen Yu-Ling, Liu Wei-Chung, Keng Nien-Tzu
AN036	Cordycepin enhances radiosensitivity to induce apoptosis in mouse Leydig tumor cells 黃韋茹 , 吳玟萱 , 張明敏 , 黃歆 , 王應然 *, 黃步敏 * Wei-Ru Huang, Wun-Syuan Wu, Ming-Min Chang, Hsin Huang, Ying-Jan Wang*, Bu-Miin Huang*
AN037	Beneficial Effects Of N-acetylcysteine On Striatal Neuron Morphology In Genetically Modified Disc 1 Heterozygous Mutant Mice 梅瑪莎 , 賴 敬 , 張荷清 , 李立仁 Mahalakshmi Palani, Chuan-Ching Lai, Ho-Ching Chang, Li-Jen Lee

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AN038	Anti-cancer effect of Cordycepin on FGF9-induced testicular tumorigenesis 洪秀瑩 , 張明敏 , 黃韋茹 , 黃歆 , 黃步敏 Siou-Ying Hong, Ming-Min Chang, Wei-Ru Huang, Hsin Huang, Bu-Miin Huang
AN039	Study the mechanisms of melatonin enhance keratinocytes uptake melanosomes through PAR-2 activation. 劉炳良 , 詹敏幼 , 邱詩媛 , 趙壯飛 , 陳正繹 * Ping-Liang Liu, Min-Yu Chan, Shih-Yuan Chiu, Chung-Faye Chao, Jang-Yi Chen*
AN040	Centrosome amplification or ciliogenesis: the effect of Etoposide on the centrosome of A549 cell line 楊立筠 , 王家義 Li-Yun Yang, Chia-Yih Wang
AN041	國立陽明大學舊大體解剖實驗室之檢討 彭淑婷 , 劉欣宜 , 劉皓云 , 蕭文銓 , 蕭校生 , 蔡國樞 , 蔡佩君 , 陳天華 Shu-Ting Peng, Hsin-I Liu, Hao-Yun Liu, Wen-Chuan Hsiao, Hsiao-Sheng Hsiao, Kuo-Shu Tsai, Pei-Jiun Tsai, Tien-Hua Chen
AN042	國立陽明大學大體解剖實驗室及遺體處理室教學環境空間改善成果 蕭校生 , 蕭文銓 , 彭淑婷 , 劉欣宜 , 劉皓云 , 蔡國樞 , 蔡佩君 , 陳天華 Hsiao-Sheng Hsiao, Wen-Chuan Hsiao, Shu-Ting Peng, Hsin-I Liu, Hao-Yun Liu, Kuo-Shu Tsai, Pei-Jiun Tsai, Tien-Hua Chen
AN043	Alternation of vertebral bone marrow perfusion, fat/water composition and trabeculation on MRI and micro-CT in a 5/6 nephrectomy rat model of chronic kidney disease. 張恆翰 , 彭奕仁 , 劉盈君 , 黃國書 , 許育瑞 , 王昭穎 Heng-Han Chang, Yi-Jen Peng, Ying-Jun Liu, Guo-Shu Huang, Yu-Juei Hsu, Chao-Ying Wang
AN044	The Cytotoxic Effect of Deoxycholic in Human Gastric Cancer Cells 郭純琦 Chun-Chi Kuo
AN045	Effect of Honokiol on Ca2+ Movement and Apoptosis in Human Glioblastoma Cells 郭純琦 Chun-Chi Kuo
AN046	Effects of quercetin treatment on nerve demyelination and microglial mitogen-activated protein kinases activation in a rat model of critical illness neuropathy 陳威廷 , 蔡怡汝 Wei-Ting Chen, Yi-Ju Tsai
AN047	Inhibition of UVB-induced keratitis and corneal edema by fucoxanthin 李景如 , 陳佳增 , 陳旭照 , 曾廣文 Ching-Ju Lee, Shiu-Jau Chen, Jia-Zeng Chen, and Kuang-Wen Tseng
AN048	To Observe Inflammatory Responses in Elastase-Induced Tendinopathy the Animal Model 吳宜庭 , 吳佳慶 Yi-Ting Wu, Chia-Ching Wu

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BC095	Effect of Celastrol on Cytosolic Ca2+ Levels and Proliferation in Human Oral Cancer Cells (SAS) 李沛軒 , 張喬棠 , 陳靜宜 , 郭順宇 Pei-Hsuan Lee, Chiao-Tang Chang, Jing-Yi Chen, Soong-Yu Kuo
BC096	Secreted amphiregulin promotes vincristine resistance in oral squamous cell carcinoma 鄭庭茜 , 吳芷吟 , 宋政穎 , 陳瑞傑 Jheng Tingcian, Wu Jhihyin, Song Jhengying, Chen JC
BC097	Secreted amphiregulin promotes vincristine resistance in oral squamous cell carcinoma 鄭庭茜 , 吳芷吟 , 宋政穎 , 陳瑞傑 Jheng Tingcian, Wu Jhihyin, Song Jhengying, Chen JC
BC098	The cross-talk between the HDAC inhibitor and SRSF3 on the anti-tumor functions of HeLa cells. 藍靜雅 , 黃世明 Ching-Ya Lan, Shih-Ming Huang
BC099	Study the localization-dependent function of KPNA2 in lung cancer progression 馮香菩 , 游佳融 Hsiang-Pu Feng, Chia-Jung Yu
BC100	A NO donor S-nitroso-N-acetylpenicillamine induces p53-dependent cell death in GBM cell lines 甘翊穎 , 黃世明 I-Ying Kan, Shih-Ming Huang
BC101	Secreted amphiregulin promotes vincristine resistance in oral squamous cell carcinoma 鄭庭茜 , 吳芷吟 , 宋政穎 , 陳瑞傑 Ting-Qian Zheng, Zhi Yin Wu, Zheng YIng Song, Jui-Chieh Chen
BC102	The functional roles of palmitic acid in the tumorigenesis of glioblastoma multiforme cells. 謝靖愉 , 黃世明 Jing-Yu Xie, Shih-Ming Huang
BC103	Study of membrane translocation, glucose transport, and gene expression of the sodium-glucose cotransporter protein in human intestinal cells 楊瀚文 , 張自忠 Han-Wen Yang, Tsu-Chung Chang
BC104	Cross-tissue exploration of co-expression networks in developing human brain 王嘉會 , 阮雪芬 , 黃宣誠 JiaHui-Wang, Hsueh-Fen Juan, Hsuan-Cheng Huang
BC105	The physiological function of the SNPs rs352493 within SIRT6 gene 翁乃筑 , 張永龍 Nai-chu Weng, Yung-lung Chang
BC106	Phage Display Screening and Characterization of the Single-Chain Variable Fragment of Globo H 翁彰璟 Chang-Ching Weng
BC107	Long Non-coding RNA SNHG1 in the Regulation of Neuroblastoma Tumorigenesis 林詩涵 , 楊紫文 , Divya Sahu, 黃宣誠 , 阮雪芬 * Shih-Han Lin, Tz-Wen Yang, Divya Sahu, Hsuan-Cheng Huang, Hsueh-Fen Juan*
BC108	Targeting the E2F1/GAS5/p53 Axis as a Potential Therapeutic Strategy for Drug-Resistant Lung Cancer 唐承緯 , 張怡雯 , 許家郎 , 葉舒平 , 黃宣誠 , 阮雪芬 * Cheng-Wei Tang, Yi-Wen Chang, Chia-Lang Hsu, Shu-Ping Ye, Hsuan-Cheng Huang, Hsueh-Fen Juan*
BC109	FOXM1 transcription factor promotes airway epithelial cell proliferation after lung injury. 陳瑋鑫 , 邱怡宣 , 王翊青 Wei-Hsin Chen, Yi-Shiuan, I-Ching Wang
BC110	To Investigate the Role of XBP1 in Dendritic Cells During the Development of Diabetes in NOD Mice 陳盈宇 , 葉禮慈 , 司徒惠康 Ying-Yu Chen, Li-TzuYeh, Huey-Kang Sytwu
BC111	To investigate the role of competence in the pathogenesis of Streptococcus pneumoniae causing invasive infection 金遠凡 , 曾玄甫 , 陳品穎 , 莊依萍 Yuan-Fan Chin, Shun-Fu Tseng, Ping-Ying Chen, Yi-Ping Chung
BC112	A Gene Expression-based Strategy Identifies the Anthelminthic Drug Niclosamide for High-risk Neuroblastoma Therapy 李文琦 , 謝巧慧 , 黃振綜 , 劉彥麟 , 楊彩姍 , 許文明 , 黃宣誠 *, 阮雪芬 ,* Wen-Chi Lee, Chiao-Hui Hsieh, Chen-Tsung Huang, Yen-Lin Liu, Tsai-Shan Yang, Wen-Ming Hsu, Hsuan-Cheng Huang*, Hsueh-Fen Juan*
BC113	Identifying novel drug targets of an irreversible BTK inhibitor 黃宜雯 , 張震東 , 李明學 I-Wen Huang, Geen-Dong Chang, Ming-Shyue Lee
BC114	Optimization of cationic antimicrobial peptides to enhance their antibacterial activity against multidrug-resistant Salmonella enterica serovar Choleraesuis 黃于軒 , 陳威戎 Yu-Hsuan Huang, Wei-Jung Chen
BC115	Effects of tyrosine kinase inhibitors on macrophage. 尤冠景 , 李明學 Kuang-Ching Yu, Ming-Shyue Lee
BC116	Development of a Novel Small-Molecule YAP1 Inhibitor. 方俊升 , 賴子詳 , 陳慶士 Chun-Sheng Fang , Tzu-Hsiang Lai, Ching-Shih Chen
BC117	Role of prostasin in prostate cancer progression. 黃梓傑 , 李明學 Tzu-Chieh Huang, Ming-Shyue Lee
BC118	Ectopic ATP Synthase on Extracellular Vesicles 高翊竣 , 張怡雯 , 張乃文 , 賴品光 , 黃宣誠 , 阮雪芬 Yi-Chun Kao, Yi-Wen Chang, Nai-Wen Chang, Charles P. Lai, Hsuan-Cheng Huang, Hsueh-Fen Juan
BC119	Molecular and cellular characterisation of IGF2R-α , a novel stress inducible protein in cardiomyocytes 蘇德赫 潘迪 , 芷 - 楊黃 , 芷 - 楊黃 Sudhir Pandey, Chih-Yang Huang, Chih-Yang Huang

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BC120	Novel Biocompatible Porous Scaffold for Wound Repair and Tissue Engineering 鄭恬欣 , 張中彥 , 顏宏勳 , 王惠民 , 鄭宇伸 Tien-Hsin Cheng, Chung-Yen Chang, Hung-Hsun Yen, Hui-Min David Wang, Yu-Shen Cheng
BC121	Production of Recombinant Antimicrobial Peptides GW-Q4 and GW-Q6 by Food-Grade Gene Expression System of Lactococcus lactis and Evaluation of Their Antibacterial Activity 莊智傑 , 郭村勇 , 楊瀅臻 , 陳威戎 Zhi-Jie Zhuang, Tsun-Yung Kuo, Ying-Chen Yang, Wei-Jung Chen
BC122	FOXM1 regulates pancreatic cancer cell proliferation and stemness via affects mitochondrial activity 謝巧筠 , 王翊青 , 張壯榮 , 沈家寧 Chiao-Yun Hsieh, I-Ching Wang, Chuang-Rung Chang, Chia-Ning Shen
BC123	Integrated analysis of gene expression and methylation for Type-2 Diabetes Mellitus genes in obesity mouse. Tran Quoc Thai, Yan-Man Hsu, Fuu-Jen Tsai, Shih-Yin Chen
BC124	Using Shotgun Proteomics to Elucidate the Antibacterial Mechanism of Oxidative Damage. 鄭雅匀 , 張凱誌 , 胡安仁 Ya-Yun Cheng ,Kai-Chih Chang ,Anren Hu
BC125	HPLC Analysis and Anti-inflammatory Evaluation of Morus Root Extract 郭建庭 , 張哲愷 , 林偉隆 , 曾翠華 * Chien-Ting Kuo, Chen-Kai Chang, Wea-Lung Lin , Tsui-Hwa Tseng*
BC126	Investigation of Biomarkers of Liver (GPT, rGT and Albumin) in Patients with Type 2 Diabetes Mellitus 徐文通 , 王雪君 , 陳建仁 , 黃詩晴 , 張勝皇 , 楊登和 , 陳立民 Wen-Tung Hsu, Hsueh-Chun Wang, Jian-Ren Chen, Shi-Qing Huang, Sheng-Huang Chang, Deng-Ho Yang, Li-Mien Chen
BC127	Relationship between Hyperglycemia and Lipoprotein Levels in Random Patients with Diabetes Mellitus 徐文通 , 楊登和 , 賴美足 , 林昭儀 , 許金風 , 陳立民 , 張勝皇 Wen-Tung Hsu, Deng-Ho Yang, Men-Tsu Lai, Chao-Yi Lin, Chin-Feng Hsu, Li-Mien Chen, Sheng-Huang Chang
BC128	Investigation of the Inflammatory Factors (Advanced Glycation End Products, Monocytes and C-Reactive Protein) in Patients with Type 2 Diabetes Mellitus 徐文通 , 楊登和 , 王雪君 , 許宏彰 , 曹其森 , 張勝皇 , 陳立民 Wen-Tung Hsu, Deng-Ho Yang, Hsueh-Chun Wang, Hung-Chang Hsu, Chi-Sen Tsao, Sheng-Huang Chang, Li-Mien Chen
BC129	Transcriptome profiling reveals the underlying mechanisms of stress responses of a high-virulence and drug-resistance Klebsiella pneumoniae strain. 倪崇恩 , 林邑璁 , 梁薰文 , 黃彥華 CHUNG-EN NI, Yi-Tsung Lin, Syun-Wun Liang, Yen-Hua Huang
BC130	Development of rapid diagnostic kits for acute hepatopancreatic necrosis disease and diarrhea. 陳力豪 , 朱惠真 , 許晉榮 , 張錦宜 Li-Hao Chen*, Hei-Chen Chu, Jinn-Rong Hseu, Chin-I Chang

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BC131	Lncternet: a web-based application for integrative analysis of lncRNA modulation networks 蔡宗軒 , 游文萱 , 阮雪芬 , 黃宣誠 Tsung-Hsuan Tsai, Wen-Hsuan Yu, Hsueh-Fen Juan, Hsuan-Cheng Huang
BC132	Web-based visualization system for individual gene variants and associated disease risks 鄭博營 , 許家郎 , 陳凱普 , 阮雪芬 , 黃宣誠 Po-Ying Cheng, Chia-Lang Hsu, Kai-Pu Chen, Hsueh-Fen Juan, Hsuan-Cheng Huang
BC133	Ecdysteroids prevent insulin resistance via circadian clock genes in murine C2C12 skeletal myotubes Attila Hunyadi, 謝翠娟 Attila Hunyadi, Tusty-Jiuan Hsieh
BC134	Establish a Web-based Database to Identify Survival-associated Interactions in Cancers 張詠銓 , 林盈辰 , 張郁琳 , 林振慶 Yung-Chuan Chang, Ying-Chen Lin, Yu-Lin Chang, Chen-Ching Lin
BC135	Application of Single B Cell for Fully Human Monoclonal Antibodies Screening and Analysis of Human Antibody Responses to Klebsiella pneumoniae 何宜恬 , 李書宇 , 蔡宜珏 , 艾麗霜 Yi-Tian He, Shu-Yu Lee, Yi-Jiue Tsai, Li-Shuang Ai
BC136	Detection of Aryl hydrocarbon Receptor Nuclear Translocator and Aryl hydrocarbon Receptor pathway in liver 陳俊伊 , 尤仁音 Chun-Yi Chen , Ren-In You
BC137	Luteolin Protects HEK293 Cells Against Oxidative Damage and Apoptosis Induced by Hydrogen Peroxide 陳鶴仁 , 蒙美津 , 喬長誠 , 田志宏 , 邱駿紘 * He-Ren Chen, Mei-Chin Mong, Charng-Cherng Chyau, Chee-Hong Chan, Chun-Hung Chiu*
BC138	Identification of Survival Influential Genes in Cancer Genomes 張郁琳 , 林盈辰 , 林振慶 Yu-Lin Chang, Ying-Chen Lin, Chen-Ching Lin
BC139	Investigate the regulation of subcellular localization and assembly of the PP2A- B55β 2 holoenzyme 許振偉 , 蔣輯武 Chen Wei Hsu, Chi-Wu Chiang
BC140	The role of Hepatoma-derived growth factor (HDGF) in recruitment of mesenchymal stem cells and gastric cancer development 陳清元 , 顏薇軒 , 陳逸琪 , 胡晃鳴 , 郭昭宏 , 橫山一成 , 郭富珍 , 吳登強 , 劉忠榮 * Ching-Yuan Chen, Wei-Hsuan Yen, Yi-Chi Chen, , Huang-Ming Hu , Chao-Hung Kuo, Kazunari K. Yokoyama,Fu-Chen Kuo, Deng-Chyang Wu, Chung-Jung Liu*
BC141	Double homeobox gene, Duxbl, promote cell proliferation and suppress neurite outgrowth in neuroblastoma Neuro2a cells 石政弘 , 駱佳慧 , 蔡明勳 , 王淑紅 * Jheng-Hong Shih, Chia-Hui Luo, Ming-Shiun Tsai and Sue-Hong Wang*

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IM020	AMPK activation by P2X7 through ROS-CaMKK pathway regulates mitophagy and lysosomal biogenesis in macrophages 彭阿魯 , 黃婷茵 , 張淑芬 , 林琬琬 Ponarulselvam Sekar, Duen-Yi Huang, Shwu-Fen Chang and Wan-Wan Lin
IM021	The involvement of CASK in the morphological change of microglial activation 林鈺益 , 鄭菡若 Yu-Yi Lin, Irene Han-Juo Cheng
IM022	The role and the mechanism of a novel terminal uridyltransferase in TLR4-mediated immune response 郭湘怡 , 張綺芝 , 楊昀芸 , 林佳靜 , 徐立中 Xiang-Yi Guo, Chi-Chih Chang, Yun-Yun Yang, Chia-Ching Lin, Li-Chung Hsu
IM023	Dextromethorphan attenuates NADPH oxidase-regulated GSK-3β and NF-κB activation and reduces nitric oxide production in group A streptococcal infection 陳嘉玲 , 鄭妙慧 , 郭志峰 , 林以行 * Chia-Ling Chen, Miao-Huei Cheng, Chih-Feng Kuo, Yee-Shin Lin*
IM024	Characterization of the neutrophils role in pneumonia by transcriptome analysis 羅聖煜 , 吳國安 , 楊佳郁 * Sheng-Yu Lo, Kuo-An Wu, Chia-Yu Yang*
IM025	Molecular Mechanism of Antiparasitic Niclosamide Against Dengue Virus Infection 高若綺 , 林秋烽 Jo-Chi Kao, Chiou-Feng Lin
IM026	ARHGEF1 negatively regulates RLR-mediated type I interferon expression in Huh-7 cells 黃頎匀 , 顏伶珈 , 江皓森 Ci Yun Huang, Ling Chia Yen, Hao-Sen Chiang
IM027	Suppression of particulates-induced inflammation by DcR3 潘毅耕 , 謝世良 Yi-Geng Pan, Shie-Liang Hsieh
IM028	The Role of Blimp-1 in the Differentiation and Function of Regulatory B Cells 王盈琇 , 蔡東彥 , 林依瑩 , 林國儀 Ying-Hsiu Wang, Dong-Yen Tsai, I-Ying Lin and Kuo-I Lin
IM029	To investigate the modulatory roles of Blimp-1 on the stemness of colorectal cancer 陳怡臻 , 林明宏 * Yi-Chen Chen, Ming-Hong Lin*

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MI016	Comparison of biological effects of gold nanoparticles and nanorods with modulated electro-hyperthermia and conventional heat treatment in human HepG2 cells 陳傳霖 , 陳昭政 , 陳雅筠 , 王愈善 , 夏建忠 , 季匡華 , 王信二 , Chuan-Lin Chen, Chao-Cheng Chen, Ya-Yun Chen , Yu-Shan Wang, Chien-Chung Hsia, Kwan-Hwa Chi, Hsin-Ell Wang
MI017	Lyophilized Kit for the Preparation of the PET Perfusion Agent [68Ga]-DOTATATE for Neuroendocrine Tumor 羅盛男 , 李世瑛 , 羅瑋霖 , 梁鎮顯 , 陳明偉 , 李銘忻 , 張志賢 * Sheng-Nan Lo, Shih-Ying Lee, Wei-Lin Lo, Chen-Hsien Liang, Ming-Wei Chen, Ming-Hsin Lee, Chih-Hsien Chang*
MI018	AJUGA TAIWANENSIS EXTRACTS SUPPRESSED SENESCENT PHENOTYPES WAS ACCOMPANIED BY DOWN-REGULATION OF COFILIN-1 呂志得 , 杜元亨 , 林秉澤 , 林雲蓮 , 李易展 Jyh-Der Leu, Yuan-Heng Tu, Bing-Ze Lin, Yun-lian Lin, Yi-Jang Lee
MI019	Performance evaluation of the DelPET μCT 100 using the QRM micro-CT HA phantom 柯建志 , 楊邦宏 , 李致賢 , 邱顯智 , 劉仁賢 Chien-Chih Ke, Bang-Hung Yang, Jhih-Shian Lee, Sian-Jhih Chiu, Ren-Shyan Liu
MI020	Accuracy of dose calculations using convolution/superposition algorithms for the nasopharynx interface in nasopharyngeal carcinoma Yuan-Chun Lai, Chien-Chung Jeng, Li-Chung Hung, Yi-Jen Liao, Kai-Cheng Chuang, Shih-Ming Hsu*
MI021	Evaluation of [18]FEONM as a PHF-Tau protein imaging agent using a P301S/PS19 AD mouse model. 陳振宗 , 林書弘 , 黃立元 , 杜衍宏 , 張剛緯 , 樊修秀 , 林武智 , 薛晴彥 Chen Jenn-Tzong, Lin Book-Red, Huang Li-Yuan, Tu Yean-Hung, Chang Kang-Wei, Farn Shiou-Shiow, Lin Wuu-Jyh, Shiue Chyng-Yann
MI022	Synthesis and Biological Evaluation of Diethylamino-ethyl-phenyl-propanamide Derivatives as Novel SPECT Probes for Malignant Melanoma 張文議 , 羅逸軒 , 劉仁賢 , 黃文盛 Wen-Yi Chang, Yi-Hsuan Lo, Ren-Shyan Liu, Wen-Sheng Huang
MI023	EFFECTS OF GLYCATED CHITOSAN ON THE ENHANCEMENT OF RADIOSENSITIVITY IN MURINE BREAST CANCER CELLS 張淳湲 , 王鈞右 , 李易展 Chun-Yuan Chang , Chun-Yu Wang, Wei R. Chen, Yi-Jang Lee

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CM163	The effect of resveratrol oligomers on transforming growth factor-β - induced epithelial-mesenchymal transition in A549 cancer cells 洪連生 , 范雅智 , 賴威翰 , 黃琤 , 黃琇珍 Lian-Sheng Hong, Ya-Chih Fan, Wei-Han Lai , Cheng Huang, Hsiu-Chen Huang
CM164	Attenuation of Salt-Inducible Kinase 3 Expression Highly Associated with Glucose Metabolic Abnormality and Promotion of the Disease Malignancy of Pancreatic Duct Adenocarcinoma 陳怡華 , 陳立宗 , 施能耀 Yi-Hua Chen, Li-Tzong Chen, Neng-Yao Shih
CM165	Evaluation of Domestic Lactic Acid Bacteria for Inhibitory Activity against the Infection and Invasion of Urinary Tract Pathogen Proteus mirabilis 林佩佩 , 賴慈旻 , 謝尤敏 , 蔡政志 Pei-Pei Lin, Tzu-Min Lai, You-Miin Hsieh, Cheng-Chih Tsai
CM166	Atractylodes and Atractylodes macrocephala extracts inhibit A2058 melanoma cell metastasis 吳睿哲 , 黃琇珍 Jui-Che Wu, Hsiu-Chen Huang
CM167	The Antioxidant Components and Ability Analysis of Pleurotus citrinopileatus Mycelia by Submerged Culture with Lactic Acid Bacteria-Selenium 吳翌甄 , 施養佳 Yi-Zhen Wu1, Yang-Chia Shih1
CM168	Study on the Estrogenic Activity of Fungal Metabolites 劉大維 , 謝松源 , 袁國芳 Ta-Wei D. Liu, Sung-Yuan Hsieh, Gwo-Fang Yuan
CM169	Protective Effects of Cardamonin on Interleukin-1β Induced Catabolic Effects in Human Articular Chondrocytes via Inhibition of NF-κB Signaling 黃椳蓉 , 陳少祈 , 王誌謙 , 劉峰誠 , 彭奕仁 Chun-Jung Huang, Shao-Chi Chen, Chih-Chien Wang, Feng-Cheng Liu, Yi-Jen Peng
CM170	Potential roles of genes (ID2, BTG2, and RXRA) associated with erythrocytic differentiation 曾煥淇 , 林冠伶 , 張新侯 , 高治華 , 黃信憲 , 許蕙玲 , 孫德珊 Huan-Chi Tseng, Guan-Ling Lin, Hsin-Hou Chang, Jyh-Hwa Kau, Hsin-Hsien Huang, Hui-Ling Hsu, Der-Shan Sun
CM171	Potential roles of KLF1 gene associated with erythrocytic differentiation 黃柏穎 , 林冠伶 , 張新侯 , 高治華 , 黃信憲 , 許蕙玲 , 陳仁毅 , 孫德珊 Po-Ying Huang, Guan-Ling Lin, Hsin-Hou Chang, Jyh-Hwa Kau, Hsin-Hsien Huang, Hui-Ling Hsu, Ren-Yi Chen, Der-Shan Sun
CM172	Comparison of vaccination by Klebsiella pneumonia Omp36 and Salmonella typhi OmpC in BALB/c mice 溫品芸 , 陳俊翰 * Pin-Yun Wen, Jiun-Han Chen*
CM173	Temporal design of cancer combinatorial therapy guided by single-cell dynamics 陳昇宏 Sheng-hong Chen

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CM174	RGS4 Deficit in Prefrontal Cortex Contributes to the Behaviors related to Schizophrenia via System xc−-mediated Glutamatergic Dysfunction in Mice 何恩朋 , 謝佳宏 En-Peng Ho, Chia-Hung Hsieh
CM175	Evaluation of potential antioxidant and immunomodulatory effects by Callicarpa 黃意涵 , 陳健祺 , 王怡棻 , 蘇淑真 , 陳昌裕 , 徐慧雯 * Yi-Han Huang , Jian-Chyi Chen , Yi-Fen Wang, Shu-Jem Su, Chang-Yu Chen, Huey-Wen Shyu*
CM176	Targeting the MZF1/KLK6 axis suppresses P2X7R-mediated tumorigenicity and metastasis of human hepatocellular carcinoma cells via inhibition of AKT signaling pathway 楊德芳 , 謝逸憲 Te-Fang, Yang, Yi-Hsien, Hsieh
CM177	The investigation of nucleolar noncoding RNA orchestrating oxidative stress-induced cytotoxicity 薛秋男 Shiue, Chiou-Nan
CM178	Cloning and expression of leptin gene during embryonic development of zebrafish (Danio rerio) 陳玟雅 *, 黃繹儒 , 張竣凱 Wen-Ya Chen*, Yi Ju Huang, Jiunn-Kae Chang,
CM179	C-terminus of Hsc70-interacting protein (CHIP) expression enhances survival, anti-senescence and stemness abilities in human Wharton's jelly mesenchymal stem cell. 馮致中 , 陳俊瑋 , 廖柏翔 , 郭薇雯 , 黃志揚 Chih-Chung Feng, Jyun-Wei Chen, Po-Hsiang Liao, Wei-Wen Kuo, Chih-Yang Huang
CM180	The T Box Transcription Factor TBX2 Promotes Epithelial-Mesenchymal Transition, Invasion and Migration in Glioblastoma cell 黃帷瑄 , 邱紹智 , 潘志明 Wei-Syuan Huang, Shao-Chih Chiu, Chih-Ming Pan
CM181	Immunization of Poly-epitopes Recombinant rFSBM Protein Protects Mice against Streptococcus dysgalactiae subspecies dysgalactiae Infection 曹妮娜 , 于海涵 , 魏曼庭 , 陳威宇 , 郭志峯 * Nina Tsao, Hai-Han Yu, Man-Ting Wei, Wei-Yu Chen, Chih-Feng Kuo*
CM182	Interleukin-33/ST2 Axis Plays a Protection Effect on Group A Streptococcus Infection 曹妮娜 , 于海涵 , 魏曼庭 , 陳威宇 , 郭志峯 * Nina Tsao, Hai-Han Yu, Man-Ting Wei, Wei-Yu Chen, Chih-Feng Kuo*
CM183	Potentiated Cytoxicity of Protoberberine Alkaloid PBA by Atrovastatin in Human Hepatoblastoma HepG2 Cells 周致中 , 趙家鼎 , 許育彰 , 許智翔 , 彭雅君 , 許貞雅 * Chih-Chung Chou, Jia-Ding Chao, Chi-Shing Hsu, Ya-Jyun Peng, Chen-Ya Hsu*
CM184	Rescue from Protoberberine Alkaloid PBA Potentiated RCIA-Induced Cytoxicity by 12-O-tetradecanoylphorbol-13-acetate in Human Hepatoblastoma HepG2 Cells 許貞雅 , 趙家鼎 , 許育彰 , 許智翔 , 彭雅君 , 周致中 * Chen-Ya Hsu , Jia-Ding Chao, Chi-Shing Hsu, Ya-Jyun Peng, Chih-Chung Chou *
CM185	Protective Mechanisms of CO Releasing Molecules on Retinal Pigment Epithelial Cells against Inflammation. 袁紹禾 , 籃子喬 , 翁炳孫 Shao-Ho Yuan, Tzu-Chiao Lan, Being-Sun Wung

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CM186	Licocchalcone A induced apoptosis in human breast cancer cells 蘇筱涵 , 劉倩君 , 黃文忠 Haiso-Han Su, Chian-Jiun, Liou, Wen-Chung Huang
CM187	Licochalcone A attenuated airway hyperresponsiveness and eosinophilic infiltration in OVA-induced asthmatic mice 劉千玉 , 劉倩君 , 黃文忠 * Chien-Yu Liu , Chian-Jiun, Liou, Wen-Chung Huang*
CM188	Effects of garlic extract on nonalcoholic liver injury in HepG2 cells 黃馨儒 , 陳雅琳 , 黃文忠 Sin-Ru Huang, Ya-Ling Chen , Wen-Chung Huang
CM189	Application of single B Cell for fully human monoclonal antibodies screening and analysis of human antibody responses to Acinetobacter baumannii 周玉萍 , 王書偉 , 艾麗霜 Yu-Ping Chou, Shu-wei Wang, Li-Shuang Ai
CM190	GYY4137, a hydrogen sulfide donor, inhibits NF-κB signals by cell redox state in endothelial cells 古安辰 , 楊順 , 蘇凱傑 , 翁炳孫 * An-Chen Ku, Shun Yang, Kai-Chein Su, Being-Sun Wung
CM191	Targeting DTL induces cell cycle arrest, senescence and suppresses tumorigensis via TPX2 inhibition in human hepatocellular carcinoma cells 潘弘偉 #*, 許詔文 #, 吳東霖 * Hung-Wei Pan#*, Chao-Wen Hsu#, Tony Tong-Lin Wu *
CM192	The role of ADAM9 in esophageal squamous cell carcinoma 黃鼎翔 , 郭婷婷 , 卓家楓 , 佘玉萍 Ding-Xiang Hunag, Ting-Ting Kuo, Chia-Fong Cho, Yuh-Pyng Sher
CM193	GSK3β-mediated Ser156 phosphorylation site modulates a BH3-like domain of Bcl2L12 in TMZ-induced apoptosis and autophagy in glioma cells 朱晟瑋 , 楊明昌 , 周佳樺 , 王尹軒 , 曾昭能 , 王焰增 , 邱顯肇 , 洪義人 * Cheng-Wei Chu, Ming-Chang Yang, Chia-Hua Chou, Yin-Hsuan Wang, Chao-Neng Tsen, Yeng-Tseng Wang, Shean-Jaw Chiou, Yi-Ren Hong*
CM194	Targeted TPX2 Increases Chromosome instability and Suppresses Tumor Cell Growth in Human Nasopharyngeal Cancer Cell 蘇性豪 #, 吳秀容 #, 潘弘偉 * Hsing-Hao Su#, Shiou-Rong Wu #, Hung-Wei Pan*
CM195	Nur77 interacting with HCV RdRp to promote HCV replication 林佩君 , 邱欣惠 , 葉詠蘅 , 鄭如茜 Pei-Chun Lin, Hsin-Hui Chiu, Yung-Ju Yeh, Ju-Chien Cheng
CM196	A MicroRNA-based Apoptotic Circuit for Differential Killing of Non-Hematopoietic Cancer Cells 鍾佩妤 , 連柏翰 , 王敏 , 黃筱鈞 Pei-Yu Chung, Bo-Han Lian, Ming Wang, Hsiao-Chun Huang
CM197	The Cellular Response of Dinaciclib Treatment in Colon Cancer Cells 許詔文 #, 黃冠菁 #, 潘弘偉 * Chao-Wen Hsu#, Guan-Jin Huang#, Hung-Wei Pan*
CM198	The role of HOXA9-PDGF signaling in mesenchymal stem cells-mediated gastric cancer progression 陳逸琪 , 陳清元 , 顏薇軒 , 胡晃鳴 , 郭昭宏 , 橫山一成 , 郭富珍 , 吳登強 , 劉忠榮 * Yi-Chi Chen, Ching-Yuan Chen, Wei-Hsuan Yen, Huang-Ming Hu , Chao-Hung Kuo, Kazunari K. Yokoyama, Fu-Chen Kuo, Deng-Chyang Wu, Chung-Jung Liu*

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CM199	Tournefortia sarmentosa aqueous extract inhibits human cervical cancer cell proliferation via ERK and AKT-dependent signaling 康俊儒 , 張映婷 , 周微茂 , 蔡宗杰 Chun-Ju Kang, Ying-Ting Chang, Wei-Mou Chou, Tzung-Chieh Tsai
CM200	The Tolerogenic Molecular Mechanism of Luteolin-Treated Dendritic Cells 廖婉恩 , 莊晶晶 Wan-En Liao, Jing-Jing Chuang
CM201	Induction of breast cancer cell apoptosis by 4-(3,4,5-trimethoxyphenoxy) benzoic acid was through modulation of cyclins, p53 and MAPK signaling pathway 洪瑞祥 , 張慧敏 , 李冠漢 Jui-Hsiang Hung*, Hut-Min Chang, Kuan-Han Lee
CM202	Systematic Analysis of CCDC167 Gene Expression Alterations and Clinical Outcomes by Bioinformatics in Breast cancer 劉又瑋 , 葉姵纕 , 洪瑞祥 You-Wei Liu, Pei-Hsiang Yeh, Jui-Hsiang Hung
CM203	NPU Attachment On NMU With Polysaccharide. 何依珊 , 石志榮 I-Shan Ho, Chih-Rong Shyr
CM204	Evaluating the protective effects of two commercial Cordyceps militaris products on lipopolysaccharide-induced acute lung injury and biosecurity in mice 黃子綾 , 翁嘉隆 , 趙士慶 , 曾憲彰 , 王淑紅 , 蔡明勳 Zi-Ling Huang, Chia-Lung Weng, Shih-Ching Chao, Hsien-Chang Tseng, Sue-Hong Wang, Ming-Shiun Tsai
CM205	CXCL13 promotes angiogenesis in endothelial progenitor cells: potential implications for the treatment of rheumatoid arthritis 陳昭如 , 湯智昕 Chao-Ju Chen, Chih-Hsin Tang
CM206	A Biphenyl Compound with PCSK9 Secretion Inhibition Activity Regulates LDLR Expression and Enhances LDL Uptake in HepG2 Cells 李應宣 , 劉妍希 , 林和昇 , 劉家瑋 , 盧彥宇 , 郭曼 Ying-Shuan E. Lee, Yen His Liu , Her Sheng Lin, Chia Wei Liu, Y.-Y. Lu, Mann-Yan Kuo
CM207	CHAC2 is essential for self-renewal and Glutathione maintenance in human embryonic stem cells 莊季璇 , 王承凱 , 楊上知 , 張芳珮 , 林禹岑 , 陳尚甫 , 呂仁 * Chi-Hsuan Chuang, Cheng-Kai Wang, Shang-Chih Yang, Fang-Pei Chang, Yu-Tsen Lin, Shang-Fu Chen, Jean Lu*
CM208	Roles of Protein Lysine Acetyltransferase in Cell Division and Size Control in Escherichia coli 蔡侑霖 , 莊皓宇 , 史有伶 You-Lin Tsai, Hao-Yu Chuan, Yu-Ling Shih
CM209	Upregulation of PRMT6 by LPS suppresses Klotho expression through interaction with NF-κB in glomerular mesangial cells. 蔡昆道 , 李文汐 , 陳柏宇 , 陳冠霖 , 蕭子嘉 , 王淑紅 , 梁姍媛 , 謝家慶 , 林庭慧 Kuen-Daw Tsai, Wen-Xi Lee, Wei Chen, Bo-Yu Chen, Kuan-Lin Chen, Tzu-Chia Hsiao, Sue-Hong Wang, Yi-Ju Lee, Shan-Yuan Liang, Jia-Ching Shieh, Ting-Hui Lin
CM210	Evaluating the anti-fatigue effects of Chenopodium formosanum and its manufactured product 林旻昱 , 簡全基 , 徐碩鴻 , 王淑紅 , 蔡明勳 Min-Yu Lin, Chuan-Chi Chien, Shuo-Hung Hsu, Sue-Hong Wang, Ming-Shiun Tsai

CM211	Study the effect of pupae proteins on Alzheimer’ s disease mouse model 徐代軒 , 李妍萱 , 黃慧貞 , 謝秀梅 Tai-Hsuan Hsu, Yan-Suan Lee, Hei-Jen Huang, Hsiu-Mei Hsieh
CM212	In-Vitro Validation of the Micro Drainage Device for Lymphedema Treatment 洪瑜婷 , 李育融 , 呂志誠 *, 蕭慧怡 , 楊晉瑜 , 鄭明輝 * Yu-Ting Hong, Yu-Rong Li, Chih-Cheng Liu* , Ming-Huei Cheng , Hui-Yi Hsiao, Chin-Yu Yang
CM213	Atg9 antagonizes TOR signaling to regulate intestinal cell growth and epithelial homeostasis in Drosophila 溫榮崑 , 王怡婷 , 詹智強 , 謝承 , 廖筱嫚 , 洪金俊 , 陳光超 Jung-Kun Wen , Yi-Ting Wang ,Chih-Chiang Chan , Cheng-Wen Hsieh , Hsiao-Man Liao , Chin-Chun Hung , Guang-Chao Chen

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TX055	Investigation of the association of estrogen-derived hemoglobin adducts with indicators of breast cancer diagnosis and treatment 廖文碩 , 林聰芬 , 林喆 , 陳達人 , 謝為忠 , 林伯雄 Wun-Shuo Liao, Tsung-Fen Lin, Che Lin, Dar-Ren Chen, Wei-Chung Hsieh, Po-Hsiung Lin
TX056	Resveratrol reduces lipid peroxidation effect and enhances superoxide dismutase activity in the brain cortex of rats 黃柏豪 , 黃柏諭 , 林明政 Bo-Hao Huang, Bo-Yu Huang, Ming-Cheng Lin
TX057	Resveratrol-induced neuroprotection in the brain cortex of rats is associated with enhanced trace metal level of magnesium and zinc 徐莓閔 , 黃柏豪 , 林明政 Mei-Min Shiu, Bo-Hao Huang, Ming-Cheng Lin
TX058	Protective effect of the resveratrol on the brain cortex of rats is correlated with enhanced catalase activity and declined oxidative stress 黃柏諭 , 黃柏豪 , 林明政 Bo-Yu Huang1 , Bo-Hao Huang , Ming-Cheng Lin
TX059	Neuroprotective mechanisms of resveratrol on the brain cortex of rats is responsible for reduced transition metal level of iron and copper 廖晉昇 , 黃柏豪 , 林明政 Chin-Sheng Liao , Bo-Hao Huang, Ming-Cheng Lin
TX060	Roles of Endoplasmic Reticulum stress in Ochratoxin A induces renal tubular cell injury 林友雯 , 鄭佳容 , 姜至剛 Yu-Wen Lin, Jia-Rong Jheng, Chih-Kang Chiang
TX061	Therapeutic potential of a novel azatyrosine analogue on early-stage diabetic retinopathy 廖伯霖 , 蔡季濠 , 謝玲珊 , 黃士軒 , 李青澔 , 康照洲 , 鄭幼文 Po-Lin Liao, Chi-Hao Tsai, Ling-Shan Tse, Shih-Hsuan Huang, Ching-Hao Li, Jaw-Jou Kang*, Yu-Wen Cheng*
TX062	The Role Of Fatty Acid Synthase In Cancer Cells Encounter Glucose Deprivation 柯孟廷 , 華國泰 Meng Ting Ko, Kuo Tai Hua

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TX063	KIAA0101 Gene Modulates Lung Cancer Cell Proliferation Mediated with WNT/beta-Catenin Pathway 吳文俊 , 李宜儒 Wen-Jun Wu, Yi-Ju Lee
TX064	Fucoidan Induced Apoptosis may through STAT3 and NF-κB Regulation in Human Lung Cancer Cells 林于傑 , 翁永弘 , Valens Munyembaraga, 林暐棟 , 陳永佳 , 楊玉嬌 , 邱慧芬 Yu-Chieh Lin, Yun-Hong Wong, Valens Munyembaraga, Wei-Tung Lin, Yung-Chia Chen, Yu-Chiao Yang, Hui-Fen Chiu
TX065	Arsenic, DNA Damage, and Cancer of Kidney and Bladder: Long-Term Follow-Up of Residents in Arseniasis Endemic Area of North-Eastern Taiwan 蔡宗霖 , 許鈴宜 , 許光宏 , 蔡世芬 , 邱弘毅 , 王淑麗 Tsung-Lin Tsai, Ling-I Hsu, Kuang-Hung Hsu, Shih-Fen Tsai, Hung-Yi Chiou, Shu-Li Wang
TX066	The Roles of Palmitate in the Development of Sarcopenia in Chronic Renal Disease Yung Han Cheng, Chia Jung Cheng, Chih Kang Chiang
TX067	Interleukin-18 contribute to cardiac dysfunction of post reperfusion injury during liver transplantation 許崇善 , 姜至剛 Chong-Sun Khoi, Chih-Kang Chiang
TX068	The protective effect of sea buckthorn fruit oil rich in omega-7 monounsaturated fatty acid in cardiomyocyte hypertrophy and apoptosis 葉佳霖 *, 蔣訓中 , 褚俊傑 ,# Yen-Chia Lin, Chiang-Shun Chun, Jiunn-Jye Chuu#
TX069	To develop the poultry-derived active peptides implicated in enhanced immune regulation and attenuated progression of chronic kidney disease 張禹柔 1,*, 吳泉憲 1, 蔡嫣翎 1, 褚俊傑 1,# Yu-Rou Jhang1,*, Quan-Xian Wu1, Yan-Ling Cai1, Jiunn-jye Chuu1,#
TX070	The impacts of autopahgy-regulated myogenesis in uremic sarcopenia: Mechanistic and functional exploration 陳元孝，姜至剛 Yuan-Siao Chen, Chih-Kang Chiang
TX071	The influences of learning-memory behavior in mice after chronic nitrate or nitrite exposure 葉心 , 余青翰 , 嚴正傑 Hsin Yeh, Ching-Han Yu, Cheng-Chieh Yen
TX072	The Roles of Adaptive Unfolded Protein Responses in Ochratoxin A-induced Kidney Injury: Emphasize on IRE1-XBP1 Regulation 鄭佳容 , 姜至剛 Jia-Rong Jheng, Chih-Kang Chiang
TX073	Anti-inflammatory and anti-thrombotic effects of Orthosiphon aristatus extract in HUVEC injury induced by pro-inflammatory products of activated macrophages 黃建國 *, 蕭文宏 *, 褚俊傑 *# Jian-Guo Huang, Wen-Hung Hsiao, Prof. Jiunn-Jye Chuu
TX074	Betaine reverses subchronic ketamine-induced behavioral disturbances in mice 黃婕敏 *，詹銘煥 ，陳慧誡 Chieh-Min Huang*, Ming-Huan Chan, Hwei-Hsien Chen#

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TX075	Protective effects of polysaccharides fractionated from Chlorella pyrenoidosa on inflammatory response in IL-1β-induced rheumatoid synoviocytes and chondrocytes 郭啟甲 , 王偉丞 , 涂雯媛 , 褚俊傑 Chee-Jah Kek, Wei-Cheng Wang, Wen-Yuan Tu, Jiunn-Jye Chuu
TX076	The association of prenatal exposure to mercury and IQ in school-age children，Use birth-cohort studies 胡德捷 , 林澤聖 , 王淑麗 Te-Chieh Hu, Tser-Sheng Lin, Shu-Li Wang
TX077	Comparison of the Solubility and Pharmacokinetics of Arsenic from Realgars(雄黃) in Mice 黃士軒 , 李青澔 , 康照洲 , 鄭幼文 Huang Shih-Hsuan, Li Ching-Hao, Kang Jaw-Jou, Cheng Yu-Wen
TX078	A protection mechanisms of rosmarinic acid against UV-induced oxidative damage in human retinal pigment epithelial cells 黃芷柔 , 許又文 , 陳雅郁 , 黃彥誌 , 蔡佳芳 * Chih Jou Huang, Yu-Wen Hsu, Ya-Yu Chen, Yen-Chih Huang, Chia Fang Tsai*
TX079	Mechanism of Rosmarinic acid attenuates cisplatin-induced nephrotoxicity 林敬偉 , 許又文 , 蔡佳芳 * Jing Wei Lin, Yu-Wen Hsu, Chia Fang Tsai*
TX080	Design of An Optical Sensor and Opto-Mechatronic System Integration for Copper Ions in Water 吳育葶 , 呂志誠 Yu-Ting Wu, Chih-Cheng Liu

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PY154	AMPK Modulates ACC1 Expression and Cancer Cell Growth through Epigenetic Regulation 賴健誠 , 彭怡禎 Chien-Cheng Lai, I-Chen Peng
PY155	Glucose-induced irinotecan resistance in colorectal cancer cells attributes to pyruvate and ATP through distinct mechanisms 黃中彥 , 白宇辰 , 余佳慧 * Chung-yen Huang, Yu-Chen Pai, Linda Chia-Hui Yu*
PY156	The Role of Lipid Droplets in Metabolic Remodeling of Cancer Cells 林怡萱 , 何盧勳 , 彭怡禎 Yi-Xuan Lin, Lu-Shiun Her, I-Chen Peng
PY157	Insulin Regulates Lipogenesis and Cell Proliferation through Myc/TDG Signaling in Cancer 顏嘉寶 , 彭怡禎 Jia-Bao Yan, I-Chen Peng
PY158	The derivatives of Chalcone enhances cholesterol efflux in human macrophage through LXRα-ABCA1 signaling 鄧以柔 , 石紹甫 , 陳思州 , 陳清玉 , 林錦生 * I-Jou Teng, Shao-Fu Shih, Sy-Jou Chen, Ching-Yuh Chern, Chin-Sheng Lin*

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PY159	Investigate the role of Xin alpha gene in vascular smooth muscle cells 劉珮文 , 鄧以柔 , 林錦生 , Da-Zhi Wang, 林敬清 , 蔡旻倩 * Pei-Wen Liu, I-Jou Teng, Chin-Sheng Lin, Da-Zhi Wang, Jim Jung-Ching Lin, Min-Chien Tsai*
PY160	To study the cellular functions of SEPT14-ACTN4 complexes during mammalian spermiogenesis 劉軒哲 , 汪雅雲 , 林盈宏 * Husan-Che Liu, Ya-Yun Wang, Ying-Hung Lin*
PY161	The immunoregulatory effects of TIAM2 gene in microglial activation and the impact on neuronal remodeling 盧威仁 , 朱俊憲 , 孫孝芳 Wei-Jen Lu, Chun-Hsien Chu, H. Sunny Sun
PY162	Licochalcone A Inhibits Cell Migration and Invasion via MEK1/2-ERK1/2 Pathway Mediated ADAM9 Protease Expression in Malignant Glioblastoma 許人婕 , 謝逸憲 Jen-Chieh Hsu, Yi-Hsien Hsieh
PY163	The protective effect of Retigabine, Kv7(KCNQ) potassium channel opener, on myocardial ischemia/reperfusion injury in rats 劉沛勳 , 余豐益 , 黃相碩 Pei-Hsun Liu, Feng-Yi Yu, Shiang-Suo Huang
PY164	Development of a 16S ribosomal RNA-based Diagnostic Device to Monitor Porphyromonas gingivalis in Plague of Chronic Periodontal Patients 鄭傜憶 , 余冠毅 , 莊惠文 , 黃仁勇 , 鄭琬蒨 , 劉正哲 Yao-Yi Cheng , Kuan-Yi Yu , Hui-Wen Chuang , Ren-Yeong Huang, Wan-Chien Cheng, Cheng-Che Liu
PY165	MicroRNA-31-5p confers colorectal cancer cells resistance to Oxaliplatin and promotes proliferation by targeting LATS2 許希賢 , 施惠儂 , 郭薇雯 , 廖柏翔 , 黃志揚 * Hsi-Hsien Hsu, Hui-Nung Shih, Wei-Wen Kuo, Po-Hsiang Liao, Chih-Yang Huang*
PY166	Develop The MicroRNAs Signature As Ancillary Diagnosis Biomarker For Urothelial Carcinoma In Chronic Kidney Disease Patients 李安倫 †, 陳建隆 †, 江昀儒 , 黃秋錦 *, 馬念涵 * An-Lun Li†, Chien-Lung Chen†, Yun-Ru Chiang, Chiu-Ching Huang*, Nianhan Ma*
PY167	The protective effect of probiotics against myocardial ischemia-reperfusion injury 洪岳慈 , 張耀仁 , 黃相碩 , 廖娟妙 Yueh-Tze Hung, Yan-Zin Chang, Shiang-Suo Huang, Jiuan-Miaw Liao
PY168	Milk protein hydrolysate modulated PM2.5 induced acute lung injury in murine model 黃淑慧 , 謝長奇 Shu-Hui Huang, Chang-Chi Hsieh
PY169	Stem cell therapy improves senescent condition of Hepatocyte in rheumatoid arthritis model 許淵聖 , 陳冬生 , 郭薇雯 , 黃志揚 Yuan-Sheng Hsu, Tung-Sheng Chen, Wei-Wen Kuo, Chih-Yang Huang
PY170	The role of crosstalk between autophagy and apoptosis in the cardioprotective effect of Paeonol 姚懿庭 , 廖娟妙 , 黃相碩 Yi-Ting Yao, Jiuan-Miaw Liao, Shiang-Suo Huang

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PY172	Angiotensin-(1-7) Inhibits Thrombin-Induced Endothelial Phenotypic Changes and Reactive Oxygen Species Production via NADPH Oxidase 5 Downregulation 王守傑 , 楊岱穎 , 戴侑容 , 顏廷宇 , 籃雯馨 , 羅婉瑜 Show-Jie Wang, Tai-Ying Yang, Yu-Jung Tai, Ting-Yu Yen, Wen-Hsin Lan, Wan-Yu Lo
PY173	CORM-2 Attenuated Lung Fibrosis via Reduction of MMP9 and MMP2 Expression 莊佳芸 , 林維寧 * Jia-Yun Jhaung, Wei-Ning Lin*
PY174	Elucidations of anxiety and spatial learning in bipolar disorder-like animal model 余英豪 , 王英洲 , 黃智偉 , 賴慶霖 Ying Hao Yu, Ying-Chou Wang, Andrew Chih Wei Huang, Ching Lin Lai
PY175	Overexpression of ZAKβ in human osteosarcoma cells enhances ZAKα expression, resulting in a synergistic apoptotic effect. 傅建堯 , 曾嚴審 , 郭薇雯 , 黃志揚 Chien-Yao Fu, Yan-Shen Tseng, Wei-Wan Kuo, Chih-Yang Huang
PY176	1α,25-dihydroxyvitamin D3 induces DNA hypomethylation via downregulating DNA methyltransferase in prostate cancer 賴冠榮 , 丁慧如 *, 顏賢章 * Guan-Rong Lai, Huei-Ju Ting*, Shian-Jang Yan*
PY177	To Investigate the Diagnostic Strategy and Influence of Bone Formation from the Candidate Factors Identified from the Synovial Fluid of Patients with Periprosthetic Joint Infection 吳盈羽 , 張毓翰 , 翁文能 , 施信農 , 陳美鳳 Ying-Yu Wu, Yuhan Chang, Steve W. N. Ueng, Hsin-Nung Shih, and Mei-Feng Chen
PY178	The role of heterochromatin in high-dietary-sugar induced renal failure in Drosophila 劉嘉瑋 , 顏賢章 Chia-Wei Liou, Shian-Jang Yan
PY179	miR-4454 enhanced chemo-sensitivity and suppressed metastasis in colorectal cancer cells (LOVO) by inhibiting the expression of GNL3L and nuclear translocation of NFkB 卡納達薩恩 , 芷 - 楊黃 Kannathasan Thetchinamoorthy, Chih-Yang Huang
PY180	The Role of p53 in HMGB1-RAGE Pathway in Acute Lung Injury and Fibrotic Changes Following Traumatic Brain Injury 王昱喬 , 鄧穎佳 , 王家儀 * Yu-Chio Wang, Veng-kai Tang, Jia-Yi Wang*
PY181	The Effect of Methylcobalamin Combined with Exercise Training in the Improvement of Motor Impairments in Parkinsonian Rats 劉鑫 , 郭紀瑋 , 謝宗勳 HSIN LIU, CHI-WEI KUO, TSUNG-HSUN HSIEH
PY182	Protective effect of Trimethyldodecatrienol on endotoxin-induced acute lung injury via MAPK-dependent NFkB pathway 江晨郁 , 謝億廷 , 李宣信 , 楊明鈴 , 關宇翔 Chen-Yu Chiang, Yi-Ting Hsieh, Shiuan-Shinn Lee, Ming-Ling Yang, Yu-Hsiang Kuan
PY183	Study of MLN8237, a selective Aurora A kinase inhibitor, on the increase of its gene expression and the possible impact. 張智瑩 , 王韻琪 , 張婷捷 , 張修維 , 林赫 # Chih-Ying Chang, Yun-Chi Wang, Ting-Chieh Chang, Hsiu-Wei Chang, Ho Lin#

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PY184	Examinations of the reward comparison hypothesis foe different roles of lateral habenular nucleus and nucleus accumbens 張凱傑 黃智偉 * Kai Chieh Chang, Andrew Chih Wei Huang*
PY185	Combination of simvastatin and troglitazone causes apoptosis and inhibits migration of human brain glioblastoma cells 唐莉汶 , 徐松柏 , 王家儀 Li-Wen Tang, Sung-Po Hsu, Jia-Yi Wang
PY186	Changing the game: effects of CEX on behavior and burst firing in the STN and nigrostriatal system degeneration in 6-OHDA-induced Parkinson's disease rat model 張彥婷 , 鄭亭琳 , 陳奕如 , 饒芯彤 , 王天睿 , 戴春暉 , 何應瑞 Yen-Ting Chang, Ting-Lin Zheng, Yi-Ru Chen, Hsin-Tung Jao, Tei-Rai Wang, Chun-Hwei Tai, Ying-Jui Ho
PY187	The preventive effects of edible folic acid on cardiomyocyte apoptosis and survival in early-onset triple-transgenic Alzheimer's disease model mice 邱致豪 , 林冠合 , 許瑞芬 , 黃志揚 * Chih-Hao Chiu, Kuan-Ho Lin, Rwei-Fen S Huang, Chih-Yang Huang*
PY188	The expression regulation and protective role of Pnn in neural cells exposed to ischemic stress 陳俐璇 , 邱妤均 , 呂史提 Li-Hsuan Chen, Yu-Chun Chiu, Steve Leu
PY189	The functional effects of inhibitor of DNA binding 2 in human lung cancer. 陳建廷 , 王啟仲 Jian-Ting Chen, Chi-Chung Wang
PY190	Lipopolysaccharide altered gene expression of interscapular adipose tissue in obese mice 施起進 , 林維寧 Kee-Chin Sia, Wei-Ning Lin
PY191	Simultaneous paradoxical effects, reward and aversion:re-examination of the reward comparison hypothesis in different dose of morphine 歐貞吟 , 黃智偉 Chen Yin Ou, Andrew Chih Wei Huang
PY192	Honokiol employ Calpain-10, block AhR/STAT3 interaction and inhibiting epithelial-to-mesenchymal transition 謝宜真 , 許美鈴 I-Chen Hsieh, Meei-Ling Sheu
PY193	1α,25-dihydroxyvitamin D3-regulated microRNA-106a-5p and its target signaling inhibit prostate cancer cell growth 李佳勳 , 丁慧如 Chia-Hsun Li, Huei-Ju Ting
PY194	The mRNA expression of enzymes involved in docosahexaenoic acid biosynthesis and incorporation into membrane phospholipids are reduced in ovariectomized rats 蔡惠如 , 蘇慧敏 Hui-Ru Cai, Hui-Min Su
PY195	The Role of RBM24 During Cardiac Differentiation 張家維 , 張志嘉 , 蔡素宜 Chia-Wei Chang, Chih-Chia Chang, Su-Yi Tsai

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PY196	Melatonin changes adiposity in inflammation-related obese mice 施起進 , 沈怡廷 , 林維寧 Kee-Chin Sia, Yi-Ting Shen, Wei-Ning Lin
PY197	The Involvement of NPFFR2 in a Mouse Migraine Model 林雅婷 , 遊俠 , 陳景宗 Ya-Tin Lin, Zachary Yu, Jin-Chung Chen
PY198	The relevance between Alzheimer disease and allergic rhinitis, and the influence of PM2.5 in various exposure amount during the observation period 陳怡安 , 駱啓文 , 李宣信 , 楊明鈴 , 關宇翔 Yian Chen, Ci-Wen Luo, Shiuan-Shinn Lee, Ming-Ling Yang, Yu-Hsiang Kuan
PY199	Study on the anti-inflammatory effect of resveratrol derivatives on Human keratino-cyte 朱美嬉 , 林佳蓉 , 林豌蓉 , 朱嬉嘉 , 鄭靜宜 * Mei-Yi Zhu, Chia-Jung Lin, Wan-Jung Lin, Yi-Jia Zhu, Ching-Yi Cheng*
PY200	The effects of CDK inhibitors on Aurora A protein regulation in prostate cancer LN-CaP cells 張婷捷 , 方皓 , 林赫 Ting-Chieh Chang, Hao Fang, Ho Lin
PY201	Nitric oxide contributes to intermittent hypoxia-induced protection against cardiac ischemia/reperfusion injury. 林鼎鈞 , 連志峯 , 楊昆達 Ding-Jyun Lin, Chih-Feng Lien, Kun-Ta Yang

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PH102	NFD induced DNA damage-mediated-apoptosis in human non-small cell lung cancer via modulating topoisomerase II and NF-κB activity 簡啟民 , 吳品萱 , 陳義龍 , 邱建智 * Ching-Ming Chien, Pin-Hsuan Wu, Yeh-Long Chen , Chien-Chih Chiu*
PH103	Very low density lipoprotein from metabolic syndrome subject induced neuronal inflammation and cognitive dysfunction in mice 林盈劭 , 周美鵑 , 李香君 , 陳珠璜 , 陳秀蘭 Ying-Shao Lin, Mei-Chuan Chou, Hsiang-Chun Lee, Chu-Huang Chen, Shiou-Lan Chen
PH104	Xanthohumol prevents kainic acid-induced seizures and neurotoxicity in rats 何昱萱、王哲川、王素珍 * Yo-Hsuan Ho, Che-Chuan Wang, Su-Jane Wang *
PH105	Interactions between microtubule-actin cross-linking factor 1 (MACF1) and Ca2+ during cell migration and cancer metastasis 林庭宇 , 許焙　, 陳妃琳 , 蔡丰喬 Ting-Yu Lin, Pei-Chin Hsu, Fei-Lin Chen, Feng-Chiao Tsai
PH106	Antagonistic signalling between EGFR and FGFR in HNSCC: focusing on cell migration 張立昀 , 褚韶瑜 , 施卓琪 , 郭冠宏 , 蔡丰喬 Li-Yun Chang, Chao-Yu Chu, Si Cheok Kei, Guan-Hung Kuo, Feng-Chiao Tsai

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PH107	Evaluation of wound healing activities of medical resins 鄭靜枝 , 侯毓昌 , 葉兼碩 * Jing-Jy Cheng, Yu-Chang Hou and Chien-Shuo Yeh*
PH108	Cytotoxic chemical constituents from the herbs of Eremochloa ciliaris (L.) Merr. 鄭銘仁 , 董慧萍 , 林榮峙 , 陳慶源 , 羅文利 * Wen-Li Loab*, Ming-Jen Chengc, Huei-Ping Donga , Rong-Jyh Lind, Hing-Yuen Chan c
PH109	The Effects Of Chinese Herbal Medicine On Improving The High Glucose-Induced Astrocyte-Mediated Brain Inflammation And Neurodegeneration 謝喜龍 *, 陳吟貞 , 陳資蓉 , 龔亭綺 , 邱怡綾 , 林佳萱 Hsi-Lung Hsieh*, Yin-Chen Chen, Tzu-Jung Chen, Ting-Ci Gong, Yi-Ling Chiu, Chia-Hsuan Lin
PH110	Effect of cell death induced by NPG via apoptotic pathway in macrophage 李明維 , 李宣信 , 楊明鈴 , 關宇翔 Min-Wei Lee, Shiuan-Shinn Lee, Ming-Ling Yang, Yu-Hsiang Kuan
PH111	Cytotoxicity and genotoxity induced by glyphosate and inhibited by RHA 葉坤霖 , 李宣信 , 楊明鈴 , 關宇翔 Kun Lin Yeh, Shiuan-Shinn Lee, Ming-Ling Yang, Yu-Hsiang Kuan
PH112	Monascus purpureus rice prevents electronegative LDL-induced mitochondrial dysfunction and aberrant energy production in cardiomyocytes 陳威宇 , 湯智昕 , 陳韻芳 , 賴金湖 , 陳珠璜 , 李安生 * Wei-Yu Chen, Chih-Hsin Tang, Yun-Fang Chen, Chin-Hu Lai, Chu-Huang Chen, An-Sheng Lee*
PH113	SOL protects RAW264.7 from CPF-induced apoptosis 李易珈 , 李宣信 , 楊明鈴 , 關宇翔 Yi-Jia Lee, Shiuan-Shinn Lee, Ming-Ling Yang, Yu-Hsiang Kuan
PH114	Diabetes treatment medication of α-Glucosidase inhibitors are a risk factor of chronic obstructive pulmonary disease: a cohort study. 駱　文 , 李宣信 , 楊明鈴 , 關宇翔 Ci-Wen Luo, Shiuan-Shinn Lee, Ming-Ling Yang, Yu-Hsiang Kuan
PH115	Hemodynamic mechanisms of PEGylated nanoparticle-induced transient hypotensive effects 吳心婷 , 孫明宗 , 馬蘊華 Sin-Ting Ngo, Ming-Tsung Sun, Yunn-Hwa Ma
PH116	Syk modulates EGFR signaling and functions in keratinocyte differentiation and squamous cell carcinoma progression 張晏瑜 , 黃婷茵 , 陳威宇 , 陳志榮 , 林琬琬 Yen-Yu Chang, Duen–Yi Huang, Wei-Yu Chen, Chi-Long Chen, Wan-Wan Lin
PH117	Level and Regulation of Vascular Endothelial Growth Factor in Human Follicular fluids from Patients Undergoing In-vitro Fertilization 陳萱庭 , 吳文彬 , 賴宗炫 Hsuan-Ting Chen, Wen-Bin Wu, Tsung-Hsuan Lai
PH118	To Evaluate The Synergistic Effects of Dexamethasone and TGF-beta Inhibitors for Alveolar Epithelial Cells Differentiation 陳威臺 , 趙葳 , 鄭鼎彥 , 蔡丰喬 , 曹伯年 , 林建煌 , 林泰元 Wei-Tai Chen, Wei Chao, Ding-Yen Cheng, Feng-Chiao Tsai, Po-Nien Tsao, Chien-Huang Lin, Thai-Yen Ling.

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PH119	MSCs derived from Placenta-choriodecidual Membrane Attenuate Lipopolysaccharide induced-Acute Lung Injury through Mediating the Polarization of Pro-inflammatory Macrophages 吳佳玲 , 吳孟學 , 朱清良 , 林泰元 * Chia-Ling Wu, Meng-Shiue Wu, Ching-Ling Chu, Thai-Yen Ling*
PH120	The Placenta-choriodecidual Derived MSC(pcMSCs) Improve the Function of High Glucose Impaired Endothelial Cells and Salvage the Hind Limb in Diabetic Ischemic Model 許毓珊 , 吳孟學 , 林泰元 Yu-Shan Hsu, Meng-Shiue Wu, Thai-Yen Ling*
PH121	The protective effects of acupuncture against microglial activation in the brainstem induced by dental pulp injury 夏美麗 , 陳易宏 Sharmely Sharon Ballon Romero, Yi-Hung Chen
PH122	Identify and characterize cardio-protective miR in the exosome secreted by post-natal Nkx2.5+ cardiac progenitor cells 梁偉平 , 游閔亦 , 陳文彬 Wei-Ping Liang, Min-Yi You, Wen-Pin Chen
PH123	Identification of Nonribosomal Peptide Synthetase (NRPS) Products in Neosartorya fischeri 葉旭華 , 江一民 , 王嘉駿 , 李冠漢 *, 張書林 * Hsu-Hua Yeh, Yi-Ming Chiang, Clay C. C. Wang, Kuan-Han Lee*, Shu-Lin Chang*
PH124	HBx-induced Ca2+ aberrancy in hepatocarcinogenesis 林鈺喬 , 蔡沛儒 , 蔡丰喬 Yu-Chiao Lin, Pei-Ju Tsai, Feng-Chiao Tsai
PH125	Gardening-Forest Skin Therapy in Taiwan 洪昆源 , 吳孟玲 , 陳舜英 , 蔡景株 , 吳芯慧 Kun-Yuan Hong, Meng-Ling Wu, Shun-Ying Chen, Ching-Chu Tsai, Hsin-Hui Wu
PH126	Efficacy of Alternative Eye Acupressue and Sunlight on Senior High School Students for Vision Health Promotion in Taiwan 黃梅芬 , 楊玲玲 *, 吳建良 Mei-Fen Huang, Ling-Ling Yang*, Chien-Liang Wu
PH127	The study of biochemical and functional characterization of electronegative subfractions of high-density lipoprotein from patients with Type 2 Diabetes 洪暄綸 , 陳莉蓁 , 陳芳玉 , 沈明毅 ,* Hsuan-Lun Hung, Li-Zhen Chen, Fang-Yu Chen, Ming-Yi Shen*
PH128	Effects of electroacupuncture on cocaine addiction in mice 阮氏美愛 , 陳易宏 Ai T.M. Nguyen, Yi-Hung Chen
PH129	Acupuncture relieves bile acid-induced itch in mice: the role of microglia and TNF-alpha 羅思庭 , 朱鈺婷 , 李育臣 , 林佩玲 , 陳易宏 Sih-Ting Luo, Yu-Ting Jhu, Yu-Chen Lee, Pei-Lin Lin, Yi-Hung Chen
PH130	Hemin treatment attenuates progression of right ventricular pressure overload-induced electromechanical remodeling in rats 張國志 *, 葉勇信 , 賴盈如 , 陳偉踐 Gwo-Jyh Chang *, Yung-Hsin Yeh, Ying-Ju Lai, Wei-Jan Chen
PH131	Up-regulation of Fc γ RIIB by resveratrol via NF-kB activation reduces B cell numbers and ameliorates lupus 周峻霈 , 陳思潔 , 黃合吟 , 蕭文鈺 , 曾賢忠 Jyun-Pei Jhou, Se-Jie Chen, Ho-Yin Huang, Wen-Yu Hsiao, Shiang-Jong Tzeng
PH132	Targeting redox regulatory site of protein kinase B impedes neutrophilic inflammation 陳柏任 , 李家琳 , 張芳榮 , 吳永昌 , 黃聰龍 * Po-Jen Chen, Chia-Lin Lee, Fang-Rong Chang, Yang-Chang Wu, Tsong-Long Hwang*

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AN049	Study the role of exercise-induced extracellular vesicles in the anti-inflammatory effects of exercise 周鴻霖 , 郭余民 Hong-Lin Chou, Yu-Min Kuo
AN050	Investigation of acute effects of olfactory bulbectomy on neuronal apoptosis in the olfactory cortex of rats. 林建合 , 馬國興 , 陳建甫 Chien-He Lin, Kuo-Hsing Ma, Chien-Fu F. Chen
AN051	Autophagy Inhibitor 3-Methyladenine Prevents MDMA-induced Neurotoxicity in Rat 葉亭吟 , 黃雍協 Tin-Ying Yeh, Yuahn-Sieh Huang
AN052	MDMA-induced Autophagy and Lysosomal Dysfunction 葉亭吟 , 孫綠涵 , 黃雍協 Tin-Ying Yeh,Lu-Han Sun,Yuahn-Sieh Huang
AN053	Ganoderma triterpenoids prevent disturbed flow-induced atherosclerosis in mice 蘇聖涵 , 林詠卿 , 莫凡毅 Sheng-Han Su, Yung-Ching Lin, Fan-E Mo
AN054	A Anatomy MOOC: The structures and functions of human skeletons and muscles 王霈 , 王嘉銓 Pei Wang, Chia-Chuan Wang
AN055	The effects of infantile hydrocephalus on the striatum of the basal ganglia in kaolin-induced hydrocephalus rats 陳儷今 , 鄭堤尹 , 王曰然 , 曾國藩 Li-Jin Chen, Ti-Yin Cheng, Yueh-Jan Wang, Guo-Fang Tseng
AN056	Silent Mentor Case Study: extending the benefits of will body program 曾國藩 Guo-Fang Tseng
AN057	Anti-lipogenic effects of Toona sinensis on free fatty acid-induced cellular steatosis model 陳昕汝 , 陳永佳 Hsin-Ju Chen, Yung-Chia Chen
AN058	Microglia-mediated synaptic pruning is impaired in sleep-deprived adolescent mice 段立珩、李立仁 Tuan L, Lee L
AN059	ER stress in the coarctation and calcium chloride cotreatment-induced rat abdominal aortic remodeling 張詠琦 , 王冠中 , 林冠呈 , 江美治 Yong-Ci Jhang, Kuan-Chung Wang, Guan-Cheng Lin, Meei Jyh Jiang

AN060	Histology teaching at NTU: learning from the book to cloud network 王淑慧 Shu-Huei Wang
AN061	The effect of high dose NMDA receptor antagonist on rat appetite 王怡文 , 林建文 , 江建昌 Yi-Wen Wang, Jian-Wen Lin, Chien-Chang Chang*
AN062	PET imaging of dopamine transporters with 18F-FE-PE2I: Effects of chronic intermittent hypoxia in a lipopolysaccharide-induced Parkinson’s disease rat model 劉景隆 , 陳建甫 , 馬國興 Ching-Lung Liu, Chien-Fu F. Chen, Kuo-Hsing Ma
AN063	A regular accessory tendon of the human extensor hallucis longus muscle 賴昆城 , 曾國藩 Kuen-Cherng Lai, Guo-Fang Tseng
AN064	Redesign for the course of Gross Anatomy improves students’ learning satisfaction 許鍾瑜 , 郭余民 , 魏璻珊 , 司君一 Jung-Yu Hsu, Yu-Min Kuo, Tsui-ShanWei, Chun-I Sze

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BC142	Short term hypoxia(STH) preconditioning promotes stem cells survivability by down-regulating miR-764-5p in Adipose Derived Stem cells(rADSC) Parthasarathi Barik Parthasarathi Barik, Shibu M.A., Wei-Wan Kuo, Chih-yang Huang
BC143	MiRNA-29a-3p attenuates FEM1B and promotes GLI-1 expression to trigger chemoresistance in oxaliplatin resistant colon cancer 蘇易辰 , 郭薇雯 , 黃志揚 Yi-Chen Su, Wei-Wan Kuo, Chih-Yang Huang
BC144	Indole Compound NC009-1 Augments APOE and NTRK1 in Alzheimer’s Disease Cell and Mouse Models 邱雅貞 , 陳怡君 , 林志信 , 謝秀梅 , 李桂楨 Ya-Jen Chiu, Yi-Chun Chen, Chih-Hsin Lin, Hsiu-Mei Hsieh-Li, Guey-Jen Lee-Chen
BC145	Waterborne Polyurethane-Urea Foam Containing PEG in Wound Dressing Application 劉思婷 , 陳思賢 * Sih-Ting Liou , Szu-Hsien Chen*
BC146	Mutant KRAS Promotes Liver Metastasis of Colorectal Cancer, in part, by Upregulating the MEK-Sp1-DNMT1-miR-137-YB-1-IGF-IR Signaling Pathway 朱伯振 , 林鵬展 , 吳星佑 , 林坤廷 , Christina Wu, Tanios Bekaii-Saab, 林毅志 , 李忠達 , 李政昌 , 陳慶士 Po-Chen Chu, Peng-Chan Lin, Hsing-Yu Wu, Kuen-Tyng Lin, Christina Wu, Tanios Bekaii-Saab, Yih-Jyh Lin, Chung-Ta Lee, Jeng-Chang Lee, Ching-Shih Chen
BC147	Antibody-assisted Target Identification Reveals Afatinib, an EGFR Covalent Inhibitor, Down-regulating Ribonucleotide Reductase 余承翰 , 周繼祺 , 何雅燁 , 邱繼輝 , 張震東 Cheng-Han Yu, Chi-Chi Chou, Ya-Yeh Ho, Kay-Hooi Khoo, Geen-Dong Chang
BC148	Development and application of cruciferous vegetable-derived compounds in targeting p38 MAPK in hepatocellular carcinoma 李玲誼 , 戴宏穎 , 黃昱璇 , 葉耀宗 , 徐慧雯 , 蘇淑真 * Ling-Yi Lee, Hong-Ying Dai, Yu-Hsuan Huang , Yao-Tsung Yeh, Huey-Wen Shyu, Shu-Jem Su*
BC149	Comparative genomics of the psychobiotic bacteria strain Lactobacillus plantarum PS128 吳宜庭 , 邱艦瑩 , 鄭昀芳 , 劉燕雯 , 楊永正 * Yi-Ting Wu, Chien-Ying Chiou, Yun-Fang Cheng, Yen-Wenn Liu, Ueng-Cheng Yang*
BC150	Antioxidative graphene oxide nanoribbons as novel nano-biomaterials to suppress tyrosinase for pigment inhibition 周鑫佑 , 王惠民 *, 孫嘉良 * Hsin-Yu Chou, Chia-Liang Sun, Hui-Min David Wang
BC151	Aqueous extract of Pueraria lobata targeting ubiquitin proteasome system to promote proteasome function in neurons derived from spinocerebellar ataxia 3 iPSCs 陳怡辰 , 陳怡瑾 , 李明忠 , 張國軒 , 李桂楨 , 陳瓊美 I-Cheng Chen, Yi-Jing Chen, Ming-Chung Lee, Kuo-Hsuan Chang, Guey-Jen Lee-Chen, Chiung-Mei Chen
BC152	Progranulin A promotes hepatocyte proliferation by mediating HGF/c-met signaling in zebrafish liver regeneration after partial hepatectomy 江耕宇 , 李雅雯 , 黎雁行 , 吳金洌 Keng-Yu Chiang, Ya-Wen Li, Yen-Hsing Li, Jen-Leih Wu
BC153	Structural Studies of the Allosteric-Site and SNP mutants of Human mitochondrial NAD(P)+-Dependent Malic Enzyme 戴士傑 , 陳韋霖 , 謝如怡 , 洪慧芝 Shih-Chieh Tai, Wei-Lin Chen, Ju-Yi Hsieh, Hui-Chih Hung
BC154	Natural Compound for Malic Enzyme Inhibition in Lung Cancer Cell Lines 徐萱育 , 謝如怡 , 洪慧芝 Hsuan-Yu Hsu, Ju-Yi Hsieh, Hui-Chih Hung
BC155	Ubiquitination Sites Essential for Degradation of Human Antizyme Inhibitor 楊宜鈁 , 謝如怡 , 洪慧芝 Yi-Fang Yang, Ju-Yi Hsieh, Hui-Chih Hung
BC156	Formulated Chinese Medicine Shaoyao Kantsao Tang Reduces Tau Aggregation and Exerts Neuroprotection Through Anti-oxidation and Anti-inflammation 林德嫻 , 陳怡辰 , 李明宗 , 陳瓊美 , 李桂楨 Te-Hsien Lin, I-Cheng Chen, Ming-Chung Lee, Chiung-Mei Chen, Guey-Jen Lee-Chen
BC157	In Search of Tail-Anchored Protein Machinery in Plants: Reevaluating The Role of Arsenite Transporters Manuel Maestre-Reyna#, 巫淑梅 ,#, 張予晴 , 陳計志 , Alvaro Maestre-Reyna, 王惠鈞 *, 張欣暘 * Manuel Maestre-Reyna#, Shu-Mei Wu#, Yu-Ching Chang, Chi-Chih Chen, Alvaro Maestre-Reyna, Andrew H.-J. Wang* & Hsin-Yang Chang*
BC158	Investigate the role of Diabetic mellitus(DM) in chronic and acute wound. 薛俊琪 , 王正康 Chun-Chi Hsueh and Jehng-Kang Wang
BC159	Natto Bacillus extraction anti-melanoma through autophagy pathway and promote fibroblast proliferate 劉力衡 , 王惠民 Li-Heng Liu , Hui-Min David Wang
BC160	Recombinant Rhamnose Binding Protein Targeting Microenvironment of Pseudomonas aeruginosa a Novel Anti-Bacterial Strategy 傅則凱 , 吳嬋娟 , 陳以恩 , 李遠川 , 邱政洵 , 藍忠昱 , 張大慈 Tse-Kai Fu, Sim-Kun Ng, Yi-En Chen, Yuan-Chuan Lee, Cheng-Hsun Chiu, Chung-Yu Lan and Margaret Dah-Tsyr Chang

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BC161	MiRNA-29a-3p attenuates FEM1B and promotes GLI-1 expression to trigger chemoresistance in oxaliplatin resistant colon cancer 蘇易辰 , 郭薇雯 , 黃志揚 Yi-Chen Su, Wei-Wan Kuo, Chih-Yang Huang
BC162	Anti-Oxidant, Anti-Aging, and Anti-Melanogenic Properties of the extract of Hibiscus sabdariffa roots 盧奕儒 , 王惠民 * Yi-Ru Lu, Hui-Min David Wang*
BC163	The tyrosine phosphatase PTPN3 suppresses lung cancer cell migration and invasion by inhibiting Daam1 function 張雅閔，李孟諺，彭文欣，陳光超 Ya-Min Chang, Meng-Yen Li, Wen-Hsin Peng and Guang-Chao Chen
BC164	Melatonin inhibits Insulin-like growth factor type I receptor in gastric cancer peritoneal metastasis by Calpain-10/CEBPb axis 呂庭宇 , 許美鈴 Ting-Yu Lu, Meei-Ling Sheu
BC165	Autophagy participates in lung cancer cell migration and metastasis through Rab37-mediated TIMP1 secretion in vitro and in vivo 陳佳文 , 劉校生 Jia-Wen Chen, Hsiao-Sheng Liu
BC166	The role of autophagy and Sec22b in Rab37 mediated secretion of tumor suppressor TIMP1 in lung cancer tumorigenesis 劉席羽 , 劉校生 His-Yu Liu, Hsiao-Sheng Liu
BC167	The complete genome analysis of Lactobacillus paracasei PS23, a non-virulent, lactic acid-producing strain. 梁薰文 , 吳宜庭 , 邱艦瑩 , 劉燕雯 , 鄭昀芳 , 楊永正 , Syun-Wun, Liang, Yi Ting, Wu, Jian-Ying, Chiu, Yen-Wenn, Liu, Yun-Fang Zheng, Ueng-Cheng, Yang
BC168	Investigating Ubiquitination Sites on Human Antizyme 2 楊皓評 , 謝如怡 , 洪慧芝 Hao-Ping Yang, Ju-Yi Hsieh, Hui-Chih Hung
BC169	Biochemical and Structural Insights into Saccharomyces cerevisiae Macrodomain Poa1p towards Sirtuin metabolite O-acetyl-ADP-ribose 邱奕志 *, 卓昭成 , 林孟萱 , 簡嘉佑 , 徐駿森 * Yi-Chih Chiu*, Chao-Cheng Cho, Meng-Hsuan Lin, Chia-Yu Chien, Chun-Hua Hsu*
BC170	Structural and functional study of KLHL20 domain 葉敏琪 , 陳瑞華 , 何孟樵 , Min-Chi Yeh, Ruey-Hwa Chen, Meng-Chiao Ho
BC171	Potential role of WWOX and Parkin in regulating neuronal death 李依庭 , 張南山 I-Ting Lee, Nan-Shan Chang
BC172	Histone Deacetylases Regulate the Senescence of Human Endothelial Progenitor Cells through Mitochondrial Fission Protein 1 Down-Regulation 曾雅旻 , 葉宏一 , 吳懿哲 , 蘇正煌 , 謝金玲 , 王學孝 ,* Ya-Ming Tseng, Hung-I Yeh, Yih-Jer Wu, Cheng-Huang Su, Chin-Ling Hsieh, Hsueh-Hsiao Wang*
BC173	Human Mitochondrial NAD(P)+-Dependent Malic Enzyme Induces Leukemogenesis via Metabolic Reprogramming 黃宇男 , 巫康熙 , 彭慶添 , 洪慧芝 * Yu-Nan Huang, Kang-Hsi Wu, Ching-Tien Peng, Hui-Chih Hung*

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BC174	Influences of Tanshinone IIA on Calcium Wave in the Lower Esophageal Sphincter Cells 蔡璟忠 , 劉靜雯 , 洪渝棻 , 張立青 * Ching-Chung Tsai, Ching-Wen Liu, Yu-Fen Hung, Li-Ching Chang*
BC175	Heparan Sulfate-Binding Cell-Penetrating Peptide Targeting Tumor Microenvironment Facilitates Endocytosis and Delivery of Therapeutic Drugs 陳妍儒 , 郭秉學 , 薏賢 , 陳建榮 , 張大慈 Yan-Ru Chen, Ping-Hseuh Kuo, Yi-Hsien Teng, Chien-Jung Chen, Margaret Dah-Tsyr Chang*
BC176	The regulatory mechanism of inflammatory cytokines in sub-synovial connective tissue of carpal tunnel syndrome 張澤文 , 陳昱為 , 許太乙 , 楊岱樺 * Tse-Wen Chang, Yu-Wei Chen, Tai-I Hsu, Tai-Hua Yang*
BC177	The Effect of V-ATPase Overexpression on Autophage of Bladder Cancer Cells 余燦榮 , 劉靜雯 , 洪渝棻 , 張立青 * Tsan-Jung Yu, Ching-Wen Liu, Yu-Fen Hung, Li-Ching Chang*
BC178	The Investigation of Regulation on Epithelial-Mesenchymal Transition in the Progression of Carpal Tunnel Syndrome 陳昱為 , 張澤文 , 許太乙 , 楊岱樺 * Yu-Wei Chen, Tse-Wen Chang, Tai-I Hsu, Tai-Hua Yang*
BC179	Engineering of Escherichia coli protein expression process. 張能賢 , 周昱昌 , 范主熙 , 張荏韋 , 鄭偉宏 , 闕銘宏 , 紀威光 * Neng-Hsien Chang, Yue-Chang Chou, Chih-Hsi Fan, Jen-Wei Chang, Wei-Hong Cheng, Ming-Hong Cyue, Wei-Kuang Chi *
BC180	Efficient Production of Glycosylated Aromatic Compounds for Drug Development by Microbial Biotransformation Chien-Pao Weng, Shu-Han Xu, Tz-Chiuan Tzeng , Hsien-Tai Chiu*
BC181	Enzymatic synthesis and disease target screening of glycosylated indolocarbazole molecules by anticancer drug glycosyltransferases and molecular simulation You-Zheng Su, Chien-Pao Weng, Yu-Ching Kao, Hsien-Tai Chiu*
BC182	Synchronizing Min oscillation with nutrient availability in Escherichia coli 王仲康 , 帕玓雅 , 史有伶 Chung-Kang Wang, Claudia Parada, Yu-Ling Shih
BC183	Investigation of peptidoglycan metabolism in bacteria using a novel moenomycin A analogue probe 王克銓 , Gurunadham Munagala, 謝佩妤 , 林冠諭 , 鄭偉杰 *, 史有伶 * Ke-Chuan Wang, Gurunadham Munagala, Pei-Yu Hsieh, Kuan-Yu Lin, Wei-Chieh Cheng*, Yu-Ling Shih*
BC184	Study the metastasis mechanism of UBE2S activated NF-κB signaling in lung adenocarcinoma 鄭嘉雄 Chia-Hsiung Cheng
BC185	Antioxidant Activities and Quantitative Analysis the Total phenol, Polysaccharide, Purine contents of Mushroom Extracts from Taiwan. 蔡博崴 , 李秋霖 , 楊玲玲 Po-Wei Tsai, Chiu-Lin Lee, Ling-Ling Yang
BC186	Study of the Single-Nucleotide Polymorphisms of the Human Mitochondrial NAD(P)+-Dependent Malic Enzyme: Enzyme Activity and Senescence of Lung Cancer Cells 鄭惠甄 , 謝如怡 , 洪慧芝 Hui-Chen Cheng, Ju-Yi Hsieh, Hui-Chih Hung

D 3/25 下午組 中華民國免疫學會

海報編號	論文題目
IM030	The mycobacterial adjuvant analogue TDB regulates microglial M1/M2 polarization via Mincle-independent PLC-γ1/CaMKKβ/AMPK pathway 馬漢 , 彭阿魯 , 張淑芬 , 林琬琬 Mahendravarman Mohanraj, Ponarulselvam Sekar, Shwu-Fen Chang, and Wan-Wan Lin
IM031	The Regulatory Role of ZNRF1 in Endosomal TLRs-driven Immune Responses in Plasmacytoid Dendritic Cells 江蕙萱 , 林祐聖 , 徐立中 Huei-Syuan Jiang, You-Sheng Lin, Li-Chung Hsu
IM032	Study the effect of endocrine disruptor Nonylphenol on endometriosis and plasmacytoid dendritic cell in a murine model Pooja Sharma, 張裕 , 蔡英美 , 孫昭玲 Pooja Sharma, Yu Chang, Eing-Mei Tsai, Jau-Ling Suen
IM033	IL-4 deficiency leads to the increased disease severity in experimental autoimmune uveitis 楊維正 , 黃奕修 , 洪薇馨 , 劉昭麟 , 沈家瑞 Wei-Cheng Yang, Yih-Shiou Hwang, Wei-Hsin Hong, Chao-Lin Liu, Chia-Rui Shen
IM034	Immunosuppressive Activity of Cyn-1324 on Ovalbumin-Sensitized Asthmatic Mice Chieh-Ying Kuo, Hueih-Min Chen, Ming-Ling Kuo
IM035	The Role of Myristoylated, Alanine-rich C-kinase Substrate (MARCKS) in a Murine Model of Chronic Airway Inflammation 王建能 , 李珍珍 Chien-Neng Wang, Chen-Chen Lee
IM036	The Impact of Amniotic Fluid-Derived Stem Cells Formed 3D Spheroids on T Cell-Mediated Allogeneic Rejection 柯瑋安 , 楊子嫻 , 吳坦殷 , 林含芳 , 周秀慧 Wei-An Ko, Tzu-Hsien Yang, Tan-Yin Wu, Vivian Halim, Shiu-Huey Chou
IM037	Targeting the IL-17A/IL-17RA axis in reducing tumor progression 陳雅珊 , 黃澤宏 , 陳惠珊 , 李孟樺 , 沈家瑞 *, 劉昭麟 * Ya-Shan Chen, Che-Hung Huang, Hui-Shan Chen, Meng-Hua Lee, Chia-Rui Shen*, Chao-Lin Liu*
IM038	TLR2-Mediated Responses Promotes Tumor Development via Enhancing Inflammation and Suppressing Anti-Tumor Immunity. 李孟樺 , 郭敏玲 , 沈家瑞 Meng-Hua Lee, Ming-Ling Kuo, Chia-Rui Shen
IM039	IL-6 Promotes Cell Growth and Is Associated With Poor Prognosis In Patients With Oral Cancer 魏鈴穎 , 李正喆 , 賈景山 Ling-Ying We, Jang-jaer Lee, Jean-san Chia

D 3/25 下午組 台灣分子生物影像學會

海報編號	論文題目
MI024	Radiosynthesis and biological evaluation of a novel F-18 labeled dimethylamino benzamide derivative for PET imaging of breast cancer 曾雅真 , 張智偉 , 李佳哲 , 陳昭政 , 李銘忻 , 劉仁賢 , 王信二 *, 陳傳霖 * Ya-Chen Tseng, Chi-Wei Chang,Jia-Je Li, Ming-Hsin Li, Ren-Shyan. Liu, Hsin-Ell Wang1, Chuan-Lin Chen*
MI025	To study images of FDG PET/CT in Canine Lymphomas 陳昱睿 , 陳冠名 , 楊邦宏 , 許志全 , 吳東信 Yu-Jui Chen, Kuan-Ming Chen, Bang-Hung Yang, Chih-Chuan Hsu, Tung-Hsin Wu
MI026	Intelligent platform of Taiwan Small Animal Radiological Sciences (TSARS): Small animal models of translation medicine 許志全 , 徐晨雄 , 杜俊元 , 鄧福根 , 蔡維達 , 林冠亨 , 陳冠名 , 張秋涵 , 吳東信 Chih-Chuan Hsu, Chen-Xiong Hsu, Chun-Yuan Tu, Fu-Ken Teng, Wei-Ta Tsai, Kuan-Heng Lin, Kuan-Ming Chen, Chiu-Han Chang, Tung-Hsin Wu
MI027	Comparing the dose distribution of static IMRT and dynamic arc Tomotherapy for esophageal cancer: A retrospective study 余志薇 , 徐晨雄 , 林冠亨 , 張秋涵 , 田蕙茹 , 熊佩韋 , 吳東信 Chih-Wei Yu, Chen-Xiong Hsu, Kuan-Heng Lin, Chiu-Han Chang, Hui-Ju Tien, Pei-Wei Shueng, Tung-Hsin Wu
MI028	The feasibility of routine iodine contrast medium dosage reduction in liver dynamic imaging examination by using dual energy computed tomography (dect) simulated monochromatic spectral imaging. 何介中 , 陳慰宗 , 周成德 , 陳潤秋 Chieh-Chung Ho, Wei-Tsung Chen, Chen-Te Chou, Ran-Chou Chen
MI029	Magnetic Resonance Elastography of focal Liver tumors 王怡珺 , 周成德 , 陳潤秋 Yi-Chun Wang, MD., Chen-Te Chou, MD., PhD. *, Ran-Chou Chen, MD.*
MI030	Chromosome exchange and blood clinical analysis on radiation therapy study 張剛瑋 , 林明佳 Chang, KW, Lin, MC

JACBS

33 屆
生物醫學聯合學術年會

2018 The 33rd Joint Annual Conference of Biomedical Science

各學會相關資訊
Conference Information

中華民國細胞及分子生物學學會
THE CHINESE SOCIETY OF CELL AND MOLECULAR BIOLOGY

「中華民國細胞及分子生物學學會」於 1989 年，經先進們促成，於行政院國科會生物處的支持下籌畫成立，29 年來在細胞及分子生物學領域之研究推動與學術交流上努力耕耘，對長期推動生命科學教育，及提升學子對生命科學之認知等基礎紮根工作，成果豐碩。

學會每年固定舉辦之主要活動包括 1.「細胞及分子生物新知研討會」，本研討會舉辦至今已有 25 屆歷史，每年會中均邀請細胞及分子生物學相關領域之優秀學者進行專題演講，另舉辦碩、博士班學生口頭以及壁報論文競賽，鼓勵研究生發表研究心得，並對優秀論文予以獎勵。除可提供研究者學術交流機會，也鼓勵青年學子投入相關領域之研究，落實基礎紮根；2.「生物醫學聯合學術年會」，學會每年與其它六個基礎醫學相關學會共同合作舉辦；以及 3.「海峽兩岸細胞生物學學術研討會」由本學會及中國細胞生物學學會輪流辦理，與會者可藉此機會彼此交流與切磋最新的研究成果。

為鼓勵年輕優秀之研究人員踴躍參加學術活動，吸收生物科技新知並拓展視野，學會每年皆辦理兩次學生、助理及博士後研究員出席國際學術會議補助。

經歷任理事長吳成文院士、沈哲鯤院士、張仲明特聘研究員、吳妍華院士、伍焜玉院士、王陸海院士及現任理事長龔行健院士的努力不懈，加上各屆的理事與監事大力護持與指導，本會得以在穩定中成長與茁壯。

今年學會已邁入第 29 年，目前所累積的會員人數共計有 8,380 人，其中普通會員為 2,030 位，學生會員為 6,320 位。展望未來除秉持創會宗旨，亦將力圖與世界的細胞生物學界接軌，更上層樓。

《第十四屆理監事名單》(依姓名筆劃順序)

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監事：王陸海、吳成文、吳妍華、唐　堂、張文昌

中華民國臨床生化學會

本會以聯絡國內外人士共同促進臨床生化之研究、發展及應用，並加強對國際臨床生化組織之交流，增進國民之健康為宗旨。認同本會宗旨者，誠摯邀請入會共圖發展。

會址：台北市常德街一號　國立臺灣大學醫學院醫學檢驗暨生物技術學系
核准立案：內政部台(71)內社字第 92662 號
統一編號：00966410
電話：02-27049977 轉 563
傳真：02-23711574
信箱：office@cacb.org.tw
網址：http://www.cacb.org.tw/

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監事　高照村、林淑萍
秘書長　蘇剛毅
秘書　鐘明義、李承光

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歡迎入會

社團法人台灣毒物學學會
Toxicology Society of Taiwan

http://www.twtoxicology.org.tw/

宗旨：本會以促進毒物學及相關科學之研究與發展及應用為宗旨。
之任務為:
一、促進毒物學之研究與應用。
二、舉辦有關毒物學學術演講及討論會。
三、參加國際有關毒物學各項會議，並經常與國外毒物學會連繫。
四、出版有關毒物學刊物。
五、辦理其他有關毒物學事項。

台灣毒物學學會 30 周年慶 歡迎踴躍參加
時間/地點：107 年 3 月 24 日（星期六）　13:30-16:30 /致德堂
演講者：院士級講座、周昌弘院士、林嬪嬪教授、Dr. Jun Kanno (國際毒物總會 IUTOX 會長)、Dr. Songsak Srianujata (亞洲毒理學會 ASIATOX 理事長)。
主持人：康照洲 理事長

毒物學會特別演講 歡迎踴躍參加
時間/地點：107 年 3 月 25 日（星期日） 14:30- 15:30 /第 29 教室
演講者：黃嘯谷 特聘研究員
主持人：康照洲 理事長

會員大會
時間/地點：107 年 3 月 24 日（星期六）16:30- 16:50 /致德堂
主持人：康照洲 理事長

研究生口頭論文競賽 歡迎踴躍參加
時間/地點：107 年 3 月 24 日（星期六）08:50- 10:35 /第 29 教室
107 年 3 月 25 日（星期日）08:55- 10:15 /第 29 教室
主持人：姜至剛 秘書長
頒獎時間/地點：107 年 3 月 25 日（星期日）15:30- 16:00 /第 29 教室

歡迎申請入會
請於毒物學學會網頁(http://www.twtoxicology.org.tw/)註冊登錄個人資料，並至郵局劃撥繳交會費，學會收到個人資料暨匯款後，會寄發入會通知書，如有任何疑問，請洽學會幹事陳元孝先生(聯絡電話：02-23123456 轉 88347、電子郵件：tsta.taiwan@gmail.com)

郵政劃撥帳戶　　會費：

中國生理學會

The Chinese Physiological Society

一、 第 25 屆第 1 次會員大會：

日期：2018 年 3 月 24 日（星期六）14:30 - 15:20
地點：國防醫學院 第二教室

二、 33 屆生物醫學聯合年會-中國生理學會講座：

1. **Keynote Speech**
   時間／地點：3 月 24 日 9:30 - 10:20／第二教室
   主講者：Prof. Yu Huang
2. **Symposium(一)：Cardiovascular Physiology**
   時間／地點：3 月 24 日 15:30 - 17:30／第二教室
   主講者：Prof. Yoshitaka Hirooka、陳適安、湯志永
3. **Symposium(二)：Physiological Seminar**
   時間／地點：3 月 25 日 14:30 - 16:30／第二教室
   主講者：Prof. 彭怡禎、林貝容、宋文瑋、黃菁英
4. **論文競賽**
   看板論文競賽：3 月 24 日 13:30 - 14:30／1F 海報區
   口頭論文競賽：3 月 25 日 08:30 - 10:00／第二教室

三、 歡迎申請入會

請至生理學會網頁(http://www.cps.org.tw)下載入會申請表，填妥後 email 給
余青翰老師 (hanayu1221@gmail.com)或廖娟妙秘書長(jmliao@csmu.edu.tw)
永久會員會費：10000 元
一般會員會費：入會費 400 元；常年會費：600 元
學生會員會費：入會費 100 元；常年會費：100 元

四、 第 24 屆理監事名錄

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常務監事：王錫崗
監事：李碧雪、童吉士、黃娟娟、顏茂雄

台灣藥理學會

The Pharmacological Society in Taiwan

❖第十屆理監事名單

理	事 長	簡伯武
常 務	監 事	顏茂雄
監	事	李哲夫、張文昌、符文美、鄧哲明
常 務	理 事	林琬琬、曾清俊、華 瑜 、黃德富、簡伯武
理	事	吳炳男、吳錦楨、林建煌、林滿玉、許桂森、許準榕、陳文彬、陳青周、楊春茂、蕭哲志
秘	書 長	張雅雯

特別演講- Jane A Mitchell 教授(英國倫敦帝國學院)
2018 年 03 月 24 日(六)下午 2:30 第一教室

專題演講- The role of neuropeptides in the brain
主持人：邱麗珠教授(台大)、許桂森教授(成大)
講員：邱麗珠教授(台大)、黃玲玲教授(北醫)、黃翊恭教授(國防)、許桂森教授(成大)
2018 年 03 月 25 日(日)下午 2:30 第一教室

❖本年度舉辦之“台灣藥理學會之夜”，歡迎會員踴躍參加!
時間：2018 年 03 月 24 日(六)晚上六時
地點：台北市中正區仁愛路一段 17 號 5 樓（上海鄉村餐廳 Y17-青少年育樂中心）

❖本學會將主辦 2020 亞太藥理學會議(Asia Pacific Federation of Pharmacologist)。

❖台灣藥理學會網站：http://www.pharmacology.org.tw/
❖藥理簡訊下載網址：http://www.pharmacology.org.tw/periodical.php
❖入會辦法：請至本會下載入會申請書，填妥後以郵寄或 Email 方式回傳本會。

❖台灣藥理學會：
會址：10051 台北市仁愛路一段 1 號 11 樓
聯絡地址：70101 台南市東區大學路 1 號 國立成功大學藥理所
聯絡電話：0966-528529; 06-2353535 轉 5445 傳真：06-2749296
學會信箱：tpharmacol@gmail.com；學會 Line ID：tpharmacol

加入 Line　　入會申請

歡 迎 踴 躍 加 入 會 員

中華民國解剖學學會

The Association of Anatomists of the Republic of China

✧ 特別演講

時間：2018 年 3 月 24 日(星期六) 09:30-10:20
地點：國防醫學院 32 教室
講者：東京醫科齒科大學教授

✧ 會員大會

3 月 24 日(星期六) 10:55-12:00 於 32 教室舉辦

✧ 研討會

I ：Models of disease pathogenesis
3 月 24 日(星期六) 14:30-16:30　　32 教室
II：Inflammation: mechanisms and phenomena
3 月 25 日(星期日) 14:30-16:30　　32 教室

✧ 口頭論文得獎者報告

3 月 25 日(星期日) 09:00-10:0 0　　32 教室

✧ 第十五屆理監事名錄

理 事 長 馬國興（國防醫學院生物及解剖學研究所教授）
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秘 書 長 鄭珈毘
總 幹 事 趙韻婷

✧ 歡迎申請入會

個人會員-入會費 500 元，常年會費 500 元。
學生會員-入會費 100 元，常年會費 100 元。

台灣生物化學及分子生物學學會

THE TAIWAN SOCIETY FOR BIOCHEMISTRY AND MOLECULAR BIOLOGY

生化學會特別演講：國防醫學院 第 33 教室
日期：107 年 3 月 24 日星期六 上午 9:30～10:20
講員：魏耀揮 (彰化基督教醫院粒線體醫學暨自由基研究院 院長)
講題：Metabolic reprogramming in mitochondrial diseases and in stem cell differentiation and iPSCs formation

生化學會會員大會：國防醫學院 第 33 教室
日期：107 年 3 月 24 日星期六 上午 10:20～10:35

生化學會研討會：國防醫學院 第 33 教室
Symposium I: Mitochondrial Medicine 日期：107 年 3 月 24 日星期六 下午 2:30～4:30
Symposium II: Telomere Biology 日期：107 年 3 月 25 日星期日 下午 2:30～4:30

生化學會優秀口頭論文報告：國防醫學院 第 33 教室
I:日期：107 年 3 月 25 日星期日 上午 9:00～10:00
II:日期：107 年 3 月 25 日星期日 中午 12:30～1:30

生化學會優秀口頭論文&壁報論文頒獎：國防醫學院 第 33 教室
日期：107 年 3 月 25 日星期日 下午 4:30～4:45

入會資格與方式：
舉凡生化、分生、及其他生命科學相關研究領域之學者及學生均歡迎入會。
劃撥帳戶：00170375
戶名：台灣生物化學及分子生物學學會
地址:70101 臺南市大學路 1 號 (國立成功大學醫學院藥理學研究所 8 樓 82-0831 室)
電話：(06)2353535 轉 5489
網址：http://www.tsbmb.org.tw/
電子郵件：tsbmb.tw25@gmail.com

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學生會員： 入會費 100 元，常年會費 100 元

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歡迎踴躍入會

中華民國免疫學會

Chinese Society of Immunology (CSI-Taiwan)

http://www.immunology.org.tw/about/about02.asp

成立背景

中華民國免疫學會於民國六十七年，由楊照雄教授及韓韶華教授等發起成立，英文名稱為The Chinese Society of Immunology(CSI)。本會成立後經本會之前輩教授多年努力，終於在民國七十三年九月經國際免疫學會聯盟（IUIS）投票通過，成為該聯盟第三十三個正式會員國，每年得以參加IUIS世界活動及參與其事務並取得最新之免疫學資訊。本會目前有會員500人，學術及服務活動甚為踴躍，每年有盛大之年會及學術討論會，並邀請世界著名學者蒞臨演講，每月有地區性學術討論會及出版本會雜誌。

成立宗旨

本會以聯繫國內外人士交換心得，提高免疫學水準及促進學術研究與發展為宗旨，致力於免疫學之研究與應用之發展與推廣。本會每年皆舉辦國際會議或國際演講、教育講習等，並與海外相關團體機構互相交流聯繫。

組織架構

本會置理事十五人、監事五人，由會員選舉之，分別成立理事會、監事會。

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理事長：**呂克桓**; 秘書長：陳怡行; 常務理事：**徐世達、謝世良、顏正賢、羅淑芬**
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常務監事：洪志興; 監事：余光輝、＊春明、楊崑德、魏正宗

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2. 凡在學術機關從事免疫學工作五年以上，由理事二人之介紹，並經理事會通過者。
3. （入會費1000元，常年會費1200元）

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台灣分子生物影像學會

Taiwan Society for Molecular Imaging (TSMI)

成立背景

民國95年，為擴大促進台灣分子生物學界專家、學生及分子影像相關領域人士的交流及國際合作，劉仁賢名譽理事長帶領榮總－陽明核醫及醫學放射專業團隊創立本學會，並積極與國外接軌，不但與日、韓兩國分子影像學會（JSMI，KSMI）共同創立亞洲分子影像聯盟(FASMI)，並以FASMI之名義與美國The Society for Molecular Imaging及The Academy of Molecular Imaging及歐洲分子影像學會（ESMI），共同組織世界分子影像大會(WMIC)，成為創會會員國之一。

成立宗旨

本會結合我國分子生物影像科技人員，致力於分子生物影像之研究與應用之發展與推廣，希冀經由教育及研究水準之提升，以及國際合作與學術交流之增進，達成造福國人，貢獻人類福祉之目的。本會每年皆舉辦國際會議或國際演講、教育講習等，並與海外相關團體機構互相交流聯繫。

組織架構

本會置理事十五人、監事三人，由會員選舉之，分別成立理事會、監事會，理事會置常務理事五人，理事長一人，秘書長一人及名譽理事長一人，截至民國100年止已有會員280人。

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申請資格

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國立成功大學基因體醫學中心
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榮獲

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The Life Science LSIA Industry Awards

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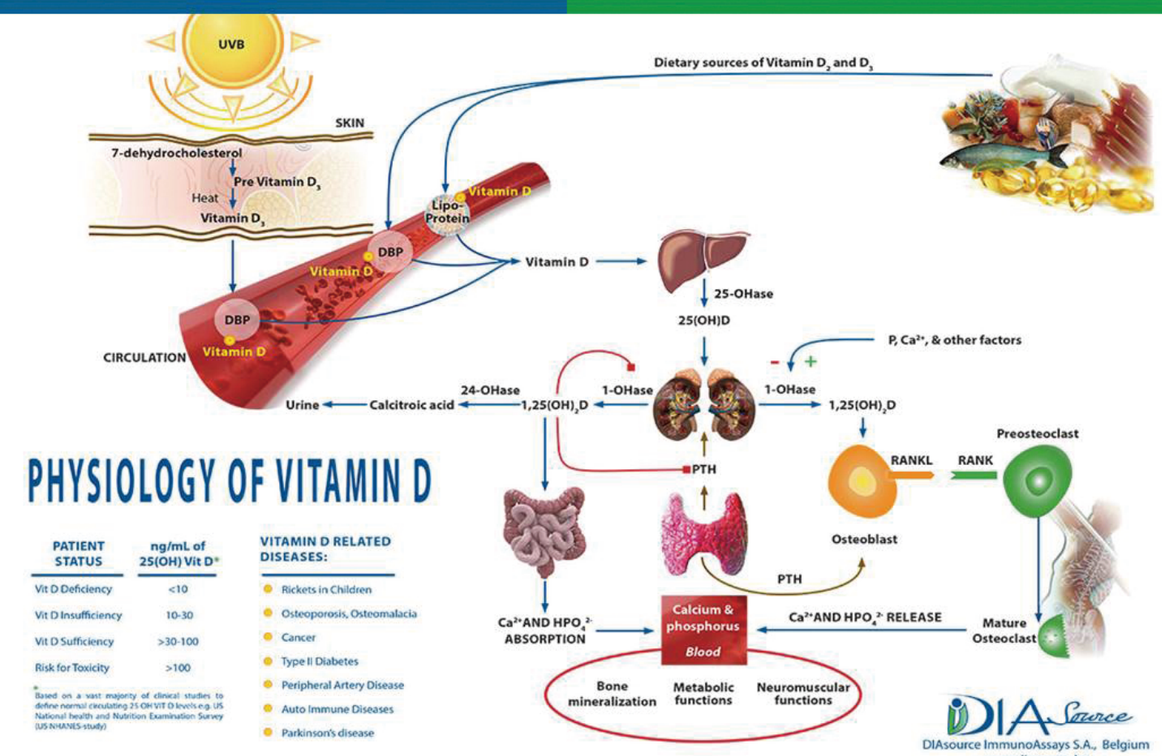
“百首” 25 羥基維生素D 總免疫分析試劑

25OH VITAMIN D TOTAL, RIA ASSAY

衛部醫器輸字第028951號

“百首” 25 羥基維生素D 總放射免疫分析試劑



PHYSIOLOGY OF VITAMIN D

PATIENT STATUS	ng/mL of 25(OH) Vit D*
Vit D Deficiency	<10
Vit D Insufficiency	10-30
Vit D Sufficiency	>30-100
Risk for Toxicity	>100

* Based on a vast majority of clinical studies to define normal circulating 25 OH VIT D levels e.g. US National health and Nutrition Examination Survey (US NHANES-study)

VITAMIN D RELATED DISEASES:

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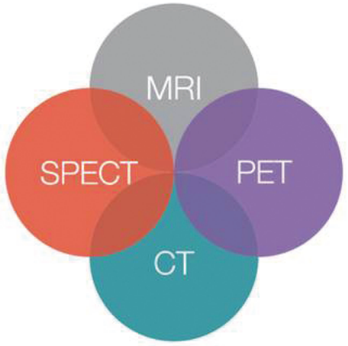

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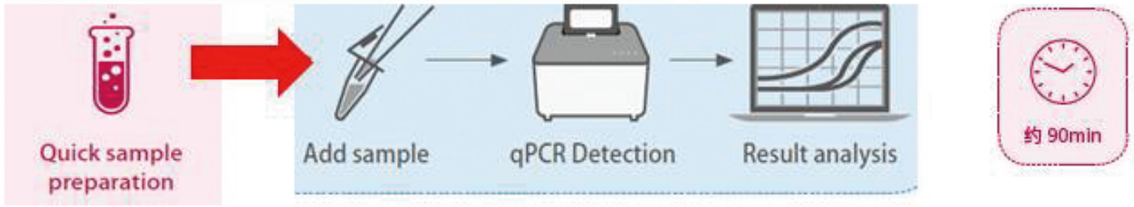

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蛋白質平台
同步輻射蛋白質結晶學核心設施(國輻簡玉成副研究員)

動物模式
基因轉殖鼠核心設施（台大林淑華教授）
人源腫瘤與腸道微生物移植及基因轉殖擬人鼠平台（國動余俊強主任）
動物設施聯盟--國家綜合小鼠表現型暨藥效分析中心（中研院劉扶東院士）
斑馬魚疾病模式與毒性測試平台（國衛院江運金副研究員）

基因平台
基因體學臨床及產業應用發展中心（陽明林奇宏教授）
國家基因體醫學研究中心（中研院鄔哲源研究員）
藥物基因體實驗室（台大俞松良教授）
標靶式操控基因表達核心設施（中研院沈哲鯤特聘研究員）

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