

## PA: Biotech and Biopharm

- PA01 Synthesis and Immunological Properties of Chemical Modifications of Globo H antigen as Cancer Vaccines  
[Hsin-Yu Lee](#), Chien-Yu Chen, Tsung-I Tsai, Shiou-Ting Li, Kun-Hsien Lin, Yang-Yu Cheng, Chien-Tai Ren, Ting-Jen R. Cheng, Chung-Yi Wu, Chi-Huey Wong
- PA02 Hepatotoxicity Induced by Extract of Polygoni Multiflori Radix in Rats with Cyp1A2 or Cyp2E1 Inhibited  
[Jing Chen](#), Zhenzhen Ge, [Zhenxiao Sun](#)
- PA03 Herbal Medicine as a Novel Veterinary Remedy for Coccidiosis in Chickens  
[Meng-Ting Yang](#), Cicero L.T. Chan, Wen-Chin Yang
- PA04 Characterization of a Rhamnose Binding Lectin from Horseshoe Crab Tachypleus Tridentatus  
[Sim Kun Ng](#), Yuan-Chuan Lee, Yi-En Chen, Tse-Kai Fu, Margaret Dah-Tsyr Chang
- PA05 A Facile Method for the Synthesis of Biocompatible Metal Nanocrystals and their Potential Application  
[Cheng Ping Chou](#), Chih-Wei Chou, W.P. Hsu
- PA06 Zinc-Dipicolylamine Directed Pharmaceutical Delivery System (ZAPS) as an Innovative Cancer Drug Delivery Platform  
[Yun-Yu Chen](#), Lun K. Tsou, Mu-Tzu Chang, Kai-Yen Chang, Ching-Ping Chen, Chen-Lung Huang, Yu-Wei Liu, Chen-Fu Lo, Teng-Kuang Yeh, Chien-Huang Wu, Kak-Shan Shia, Joe C. Shih, Brian D. Gray, Koon Y. Pak, Chiung-Tong Chen
- PA07 Therapeutic Application of Light Chain-Bridged Single Chain Anti-Her2/anti-CD3 Bi-Specific Antibody for Her2+ Tumors  
[Jei-Hwa Yu](#), Show-Shan Shen, Cheng-Kai Lo, Yen-His Yeh, Lin-June Hsiao, Yen-Ling Huang, Su-Yi Hsu, Yuan-Hsin Lu, Chen-Ju Lin, Yin-Yao Lin, Yu-Chen Yang, Yu-Shen Hsu, Chung-Hsiun Wu, Ta-Tung Yuan
- PA08 A Novel PAMP Binding Domain from Hemolymph Plasma Lectin  
[Tse-Kai Fu](#), Sim-Kun Ng, Yi-En Chen, Jun-Hao Fu, Yuan-Chuan Lee, Margaret Dah-Tsyr Chang.

## PA: Biotech and Biopharm

- PA09 A Novel Strategy for Producing Antibody Comprising of Mono-N-Acetyl Glucosamine by Cells  
[Chengchou Yu](#), [Ching-Yao Chen](#), [Meng-Sheng Lee](#), [Chun-Chung Lee](#)
- PA10 IGF-Integrin Crosstalk through Direct IGF-Binding to Integrins: Development of IGF1 Antagonist (IGF1-Decoy)  
[Yoshikazu Takada](#), [Masaaki Fujita](#), [Yoko K Takada](#)
- PA11 Interaction between Cell-Penetrating Peptides and Acid-Sensitive Anionic Oligopeptides for the Design of Targeted Drug Carriers  
[Chunmeng Sun](#), [Wei-Chiang Shen](#), [Jiasheng Tu](#), [Jennica L. Zaro](#)
- PA12 The Effects of Glyco-Shortenings Anti-CD52 on PBMC and Their Anti-Inflammatory Functions  
[Cheng-Chou Yu](#), [Ching-Yao Chen](#), [Meng-Sheng Lee](#), [Mei-Chi Chan](#), [Chun-Chung Lee](#)
- PA13 The Elucidation of Isochaihulactone-Targeted Protein, GAPDH, Highlights a Nuclear GAPDH-Mediated Cell Death in Human LNCaP Prostate Cancer Cells  
[Jeffy Chern](#), [Zhanxiong Fang](#), [Kuo-Feng Hua](#), [Yi-Lin Sophia Chen](#), [Chun-Ping Lu](#), [Yulin Lam](#), [Shih-Hsiung Wu](#)

## PB: Cancer Research

- PB02 A microRNA-Mediated Feed Forward Loop of the Hippo Pathway for Tumorigenesis and Size Control  
[Shuying Shen](#), [Xiaocan Guo](#), [Huan Yan](#), [Xinyan Ji](#), [Bin Zhao](#)
- PB03 Bcl-xL Promotes Metastasis Independent of its Anti-Apoptotic Activity  
[Soyoung Choi](#), [Xuejun Jiang](#), [Yi-Chieh Nancy Du](#)
- PB05 Inhibition of Endoplasmic Reticulum Stress-Associated IRE-1/XBP-1 Pathway Reduces Leukemic Cell Survival  
[Chih-Hang Tang](#), [Sujeewa Ranatunga](#), [Jianguo Tao](#), [Javier Pinilla-Ibarz](#), [Juan Del Valle](#), [Chih-Chi Hu](#)

**PB: Cancer Research**

- PB06 Molecular and Cellular Mechanisms of Pin1-Mediated Grb7 Protein Stability in Cell Progression  
[Yu-Ling Tai](#), Li-Hsuan Tung, Yu-Chi Lin, Tang-Long Shen
- PB07 LDHA Up-Regulation by 14-3-3 $\zeta$  Increases Glycolysis that Promotes Breast Cancer Initiation and Progression  
[Chia-Chi Chang](#), Chenyu Zhang, Hai Wang, Qingling Zhang, Jia Xu, Yi Xiao, Dihua Yu
- PB08 Association between Alkylphenol Exposure and Endometrial Cancer  
Hui-Ju Wen, Wang-Hsien Ding, Shih-Fen Tsai, Ting-Chang Chang, Chao Agnes Hsiung, [Shu-Li Wang](#)
- PB09 Oncogenic K-ras Confers SAHA Resistance by Up-Regulating HDAC6 and c-myc Expression  
[Qun Wang](#), Rong Tan, Xin Zhu, Yi Zhang, Zhi-Ping Tan, Bing Su, Yu Li
- PB10 Systems Biology Approach Reveals Drug Resistance Mechanism in Multiple Myeloma  
[Junmin Peng](#)
- PB11 Role of TAp63 $\gamma$ , and p53M in DNA Repair, Mutator and Invasion Phenotype of Bladder Cancer  
[Hsiang-Tsui Wang](#), Hyun-Wook Lee, Mao-Wen Weng, Josephine Kuo, Yan Liu, William C. Huang, Herbert Lepor, Xue-Ru Wu, Moon-Shong Tang
- PB12 Nrf2 Plays a Key Role of Drug Resistance under Hypoxia Microenvironment in Breast Tumor  
Jhieh-Pu Syu, [Hsiu-Ni Kung](#)
- PB13 Syndecan1 is Required for Oncogenic Kras Driven PDAC Tumorigenesis and Maintenance  
[Wantong Yao](#), Haoqiang Ying, Giulio Draetta
- PB14 The Role of Resistin in Breast Cancer: Epithelial-Mesenchymal Transition and Stemness  
[Chie-Hong Wang](#), Po-Jen Wang, Yi-Chen Lee, Yuan-Chu Chen, Ming-Feng Hou, Shyng-Shiou Yuan

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- PB15 p53-Independent and Functional Regulations of RRM2B in Cancer  
[Er-Chieh Cho](#), Mei-Ling Kuo, Jia-Hui Cheng, Yi-Chen Hsieh, Yawen Cheng, Rong-Hong Hsieh, Yun-Ru Liu, Yun Yen
- PB16 Sister Chromatid Exchanges by MYST Family of Histone Acetyltransferases to Confer Cisplatin-Resistant Phenotype  
[Sen-Huei Hsu](#), Song-Bin Chang, Wen-Tai Chiu, Ming-Daw Tsai, Wen-Pin Su, [Hungjiun Liaw](#)
- PB17 Next-Generation Screen for Integrative Subtyping and Biomarker Discovery for KRAS-Mutant Cancer  
[Tina Yuan](#), Rachel Bagni, Ming Yi, Arnaud Amzallag, Shervin Afghani, Katie Beam, William Burgan, Nicole Fer, Leslie Garvey, Brian Smith, Andrew Waters, Robert Stephens, Cyril Benes, Frank McCormick
- PB19 Taxol Binds Differentially to Distinct  $\beta$ -Tubulin Isoforms  
[Chia-Ping Huang Yang](#), Hui Xiao, Susan Band Horwitz
- PB20 PSPC1 is a Master Activator of Cancer Cell Transmissions to Mesenchyme Stemness and Metastasis  
[Hsi-Wen Yeh](#), Yuh-Shan Jou
- PB21 Downregulation of SHIP2 by HBx Promotes the EMT and Metastasis of Hepatocellular Carcinoma through Skp2  
Kuo-Jung Su, [Yung-Luen Yu](#)
- PB22 HBx Sensitizes HCC Cell Lines to Lapatinib by Up-Regulating ErbB3  
[Jhen-Yu Chen](#), Yun-Ju Chen, Wen-Shu Chen, Wei-Chien Huang
- PB23 Lapatinib Enhances Migration Ability of Triple-Negative Breast Cancer Cells through Induction of MAPK-Dependent Interleukin-6 Expression  
[Yu-Chun Hsiao](#), Yun-Ju Chen, Wei-Chien Huang

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- PB24 Suppression of Maspin by IKK $\alpha$ -Dependent microRNAs Contributes to HBx-Mediated Human Hepatocellular Carcinoma Progression  
[Wen-Shu Chen](#), Chia-Jui Yen, Yun-Ju Chen, Jhen-Yu Chen, Li-Yun Wang, Shu-Jun Chiu, Wen-Ling Shih, Chien-Yi Ho, Shu-Hui Liu, Tzu-Tang Wei, Hsiao-Lin Pan, Pei-Hsuan Chien, Ching-Chow Chen, Mien-Chie Hung, Wei-Chien Huang
- PB25 Nitrostyrene Derivatives Inhibit TNF $\alpha$ /NF $\kappa$ B Signaling Activity by Binding to tRXR $\alpha$   
Zhiping Zeng, Zhe Sun, Mingfeng Huang, Weidong Zhang, Jie Liu, Liqun Chen, Fan Chen, Yuqi Zhou, Jiacheng Lin, Fengyu Huang, Lin Xu, Zixing Zhuang, Shangjie Guo, Gulimiran Alitongbieke, Guobin Xie, Yang Xu, Bingzhen Lin, Xihua Cao, Ying Su, Xiao-kun Zhang, [Hu Zhou](#)
- PB26 HBV Large Surface Antigen Drives Chromosome Structural Aberrations and Cytokinesis Failure in Hepatocytes  
[Tian-Neng Li](#), Hui-Lin Wu, Cheng-Pu Sun, Mi-Hua Tao, Ih-Jen Su, Lily Hui-Ching Wang
- PB27 Epidermal Growth Factor-Induced Cyclooxygenase-2 Enhances Head and Neck Squamous Cell Carcinoma Metastasis through Fibronectin Up-Regulation  
[Jinn-Yuan Hsu](#), Kwang-Yu Chang, Shang-Hung Chen, Chung-Ta Lee, Sheng-Tsung Chang, Hung-Chi Cheng, Wen-Chang Chang, Ben-Kuen Chen
- PB29 The Synthetic  $\beta$ -Nitrostyrene Derivative CYT-Rx20 Reduces Colon Cancer Tumor Growth via Reactive Oxygen Species Production  
[Chun-Hao Tsai](#), Amos C. Hung, Ching-Yi Lin, Yu-Sian Lin, Yen-Hsin Liu, Pei-Wen Hsieh, Shyng-Shiou F. Yuan
- PB30 Hepatitis B Virus Large Surface Protein Promotes Warburg Effect through Binding to Pyruvate Kinase Isoenzyme M2  
[Yi-Hsuan Wu](#), Ju-Hsuan Chen, Lily Hui-Ching Wang
- PB31 Composition and Functional Analysis of the Exosome Derived from Isogenic Oral Squamous Cell Carcinoma Cells with Different Potentials of Lymph Node Metastasis  
[Szu-Heng Liu](#), Yi-Chen Yen, Ssu-Hang Wang, Ya-Wen Chen

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- PB33 The Novel  $\beta$ -Nitrostyrene Derivative CYT-Rx20 Reduced Human Lung Cancer Growth and Migration/Invasiveness via ROS Production  
[Amos Hung](#), Chun-Hao Tsai, Ching-Yi Lin, Yu-Sian Lin, Yen-Hsin Liu, Pei-Wen Hsieh, Shyng-Shiou Yuan
- PB34 Mre11 Promotes Cell Proliferation and Tumor Invasion in Lung Cancer  
[Wen-Chin Chiu](#), Tso-Wen Wang, Yi-Chen Lee, Yu-Han Su, Kun-Chou Hsieh, Yu-Jen Cheng, Shah-Hwa Chou, Yen-Lung Lee, Hung-Hsing Chiang, Chih-Jen Huang, Shyng-Shiou F. Yuan
- PB35 Upregulation of Mitochondrial Lon Drives Tumor Epithelial-to-Mesenchymal Transition and Angiogenesis via NF- $\kappa$ B-TGF- $\beta$  Signaling  
Chieh-Wen Cheng, Han-Yu Chou, [Alan Yueh-Luen Lee](#)
- PB36 4 $\beta$ -Hydroxywithanolide E Modulates Alternative Splicing of Apoptotic Genes in Human Hepatocellular Carcinoma Huh-7 Cells  
[Chien-Chih Lee](#), Wen-Hsin Chang, Ting-Yuan Liu, Yu-Chia Chen, Ya-Sian Chang, Yang-Chang Wu, Jan-Gowth Chang
- PB37 Extracellular PKM2 Induces Cancer Proliferation by Activating EGFR Signaling Pathway  
[Ming-Chuan Hsu](#), Wen-Chun Hung, Hirohito Yamaguchi, Seung-Oe Lim, Hsin-Wei Liao, Mien-Chie Hung
- PB38 Development of A Peptide-Based Drug Delivery Strategy for Epithelial Tumor Targeting and Drug Uptake Enhancement  
[Ping-Hsueh Kuo](#), Wen Han, Yu-Shiuan Liu, Shun-Lung Fang, Jonathan Chin-Chung Chao, Margaret Dah-Tsyr Chang
- PB39 Lapatinib Induces Autophagic Cell Death in Monocytic Leukemia  
[Huey-Lan Huang](#), Li-Wen Fang, Wen-Chi Su, Kai-Chien Yang, Wen-Yi Hsu, Yu-Jen Chen
- PB40 The Mechanisms of Cellular Internal Ribosomal Entry Site Polymorphisms Affect its Activity  
[Jiajia Cui](#), Chenyue Qian, Jiye Yin

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- PB41 Myc Induces Expression of Glutamine Synthetase through Thymine DNA Glycosylase-Mediated Promoter Demethylation  
[I-Chen Peng](#), Alex J. Bott, Yongjun Fan, Brandon Faubert, Lu Zhao, Jinyu Li, Sarah Neidler, Yu Sun, Nadia Jaber, Dawid Krokud, Maria Hatzoglou, Scott Powers, Daniel J. Murphy, Russell Jones, Song Wu, Geoffrey Girnun, Wei-Xing Zong
- PB42 Inhibition of STK6 Signaling Prevents the Malignant State of Oral Squamous Cell Carcinoma  
[Chang-Han Chen](#), Chih-Yen Chien, Hsin-Ting Tsai
- PB43 Role of ROS1 in Oral Cancer Progression  
[Chien-Hung Shih](#), Yu-Jung Chang, Wei-Chieh Huang, Meng-chin Lin, Lu-Hai Wang, Linyi Chen
- PB44 Regulation of Tissue Size and Growth in Development and Tumorigenesis  
[Tian Xu](#)
- PB45 Inhibition of EPAC1 Reduces Pancreatic Cancer Metastasis in Vivo  
Muayad Almahariq, [Fang Mei](#), Celia Chao, Mark Hellmich, Xiaodong Cheng
- PB46 ADAM9 Regulates MicroRNAs Expression for Lung Cancer Metastasis  
[Yuh-Pyng Sher](#), Kuo-Liang Chiu, Ting-Ting Kuo, Qian-Yu Kuok, Liang-Chuan Lai
- PB47 The Role of CPAP in Mitosis  
[En-Ju Chou](#), Liang-Yi Hung, Chieh-Ju C. Tang, Wen-Bin Hsu, Tang K. Tang
- PB48 Gluconeogenesis, Lipogenesis, and HBV Replication Are Commonly Regulated by PGC-1 $\alpha$ -Dependent Pathway  
Hong-Jih Jhuang, [Wei-Hsiang Hsu](#), Chi-Ying Huang
- PB49 Interleukin-1 Beta Transactivates Epidermal Growth Factor Receptor via the CXCL1-CXCR2 Axis in Oral Cancer  
[Chia-Huei Lee](#), Shih-Han Syu, Ko-Jiunn Liu, Pei-Yi Chu, Wen-Chan Yang

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- PB50 Involvement of RYBP in Growth and Response to Chemotherapy in Non-Small Cell Lung Cancer  
[Wei Wang](#), Sukesh Voruganti, Jiang-Jiang Qin, Subhasree Nag, Biyun Qian, Ruiwen Zhang
- PB51 4E-Binding Protein 1, a Hallmark in Colorectal Cancer that Associated with Clinical Survival Outcomes  
[Min-Wu Chao](#), Li-Ting Wang, Chin-Yu Lai, Xiao-Ming Yang, Ya-Wen Cheng, Kuo-Hsiung Lee, Shiow-Lin Pan, Che-Ming Teng
- PB52 MDMx Exerts its Oncogenic Activity in Suppression of Retinoblastoma Protein  
[Zhi-Xiong Jim Xiao](#), Haibo Zhang, Yujun Zhang, Wei Qiu
- PB53 Small Molecular Antitumor Agents, WYCs, with Activity against Cisplatin Resistance in Urothelial Cancer  
[Juan-Cheng Yang](#), Da-Wei Chuang, Kuo-Hsiung Lee, Yang-Chang Wu
- PB54 Metformin Suppresses Cancer Formation by Inducing Anoikis via Modulation of  $\Delta$ Np63 $\alpha$   
[Yong Yi](#), Zhi-Xiong Xiao
- PB55 Targeting the Wnt Signaling Suppresses Tumor Growth of Breast Cancer Cells with Cell-Penetrating Peptides  
[Tsung-Hua Hsieh](#), Eing-Mei Tsai
- PB56 FGF-integrin Crosstalk through Direct Integrin Binding to FGF:Development of a Dominant-negative FGF Mutant (FGF Decoy)  
[Jessica Yu](#), Seiji Mori, Yoko Takada, Yoshikazu Takada
- PB57 Epithelial-Mesenchymal Transition Induced by TNF- $\alpha$  Requires NF- $\kappa$ B-Mediated Transcriptional Upregulation of Twist1  
[Chia-Wei Li](#), [Weiya Xia](#), Longfei Huo, Seung-Oe Lim, Yun Wu, Jennifer L. Hsu, Hirohito Yamaguchi, Neng-Kai Yang, Qingqing Ding, Yan Wang, Yun-Ju Lai, Adam M. LaBaff, Ting-Jung Wu, Been-Ren Lin, Muh-Hwa Yang, Gabriel N. Hortobagyi, Mien-Chie Hung



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- PB58 Glucosylceramide Synthase Facilitates Bcl-xL-Mediated Cell Survival in Vinorelbine-Resistant Lung Adenocarcinoma Cells  
[Wei-Hsin Chiu](#), [Wu-Chou Su](#), [Chia-Ling Li](#), [Chia-Ling Chen](#), [Chiou-Feng Lin](#)
- PB59 Enhanced Hif-1 $\alpha$  Transcription by Epstein-Barr Virus LMP1 in Nasopharyngeal Carcinoma Cells  
[Wei-Wen Sung](#), [Yi-Chih Chu](#), [Peir-Rong Chen](#), [Ming-Hui Liao](#), [Jeng-Woei Lee](#)
- PB60 Epigenetic Silencing of MicroRNA-137 Promotes Proliferation and Controls Colorectal Carcinogenesis by Targeting Aurora-A  
[Yu-Chuan Huang](#), [Bo-Wen Lin](#), [Ying-Jen Chen](#), [Jenq-Chang Lee](#), [Liang-Yi Hung](#)
- PB61 Ligand-Dependent AhR Promotes Expansion of Breast Cancer Stem Cells via SK1/S1P/S1PR3 Signaling  
[Eing-Mei Tsai](#), [Yu-Chih Wang](#)
- PB62 Function of Ku70 Outside Non-Homology End-Joining  
[Nahum Puebla-Osoio](#), [Jiseong Kim](#), [Omid Tavana](#), [Chengming Zbu](#)
- PB63 Leukocyte Cell-Derived Chemotoxin 2 Suppresses Angiogenesis in Hepatocellular Carcinoma  
[Wen-Hsuan Yu](#), [Chi-Kuan Chen](#), [Kuo-Tai Hua](#), [Michael Hsiao](#), [Mien-Chie Hung](#)  
[Min-Liang Kuo](#)
- PB64 Suppression of Immune Response by High 14-3-3 $\zeta$  Expression in Triple Negative Breast Cancer Contributes to Aggressive Tumor Progression  
[Wen-Ling Kuo](#), [Yi Xiao](#), [Xianliang Yuan](#), [Yao-Chong Wu](#), [Dihua Wu](#)
- PB65 The Deubiquitinase USP3 Controls CHK1 Cellular Localization and Activation  
[Yu-Che Cheng](#), [Sheau-Yann Shieh](#)
- PB66 Human Choline Kinase Alpha Regulates HCV RNA Replication via Interaction with Viral NS5A Protein  
[Mun-Teng Wong](#), [Steve S-L Chen](#)

**PC: Gene Regulation and RNA Biology**

- PC01 Targeting and Regulation of Epstein-Barr Virus Origin of DNA Replication by MicroRNA Hsa-miR-155  
[Yueh-Lung Wu](#), [Hsuan Tung](#), [Sung-Chan Wei](#), [Yu-Chan Chao](#)
- PC02 Does Tramtrack69 Directly Recruit Polycomb Repressive Complex 1?  
[Yi-Ru Li](#), [Yu-Chin Chao](#), [Gwo-Jen Liaw](#)
- PC04 Proteome Profiling of Cadmium-Induced Apoptosis by Antibody Array Analyses in Human Bronchial Epithelial Cells  
[Dan-Dan Wu](#), [Wei Zheng](#), [Yuan Zhou](#), [Yick-Pang Ching](#), [Yan-Ming Xu](#), [Andy T. Y. Lau](#)
- PC05 GAGA Factor Regulates Transcriptional Pausing via Nucleosomal Remodeling  
[Shih-Ying Tsai](#)
- PC06 Caveolin-1 Facilitates Derlin-2- and Derlin-1-mediated Cyclooxygenase-2 Degradation  
[Shu-Fen Chen](#), [Song-Kun Shyue](#)
- PC07 SH2B1 Regulates Myogenesis through Myogenin and Igf2  
[Kuan-Wei Chen](#), [Chia-Ming Yeh](#), [Michael W. Y. Chan](#), [Shen-Liang Chen](#), [Linyi Chen](#)
- PC08 Exosome From Patients' Blood Indicates the Different Mechanisms of Different Atrial Fibrillation  
[Zhengxi Xu](#), [Yuanyuan Fu](#), [Zhou Zhou](#), [Zhe Zheng](#)
- PC09  $\beta$ TrCP-mediated Ubiquitination and Degradation of Liver-Enriched Transcription Factor CREB-H  
[Yun Cheng](#), [Hei-Man Vincent Tang](#), [Wei-Wei Gao](#), [Jian-Jun Deng](#), [Chi-Ping Chan](#), [Dong-Yan Jin](#)
- PC10 Ubiquitination and Degradation of CRTC1 Transcriptional Coactivator Triggered by Salt-Inducible Kinase 1-Dependent Phosphorylation  
[Wei-Wei Gao](#), [Hei-Man Tang](#), [Yun Cheng](#), [Jian-Jun Deng](#), [Chi-Ping Chan](#), [Dong-Yan Jin](#)

**PD: Genomic Biology and Genetic Diseases**

- PD02 The Y-Encoded SRY Disruption of RET Transcription and Contribution to Sexual Dimorphisms in Hirschsprung Disease  
[Yunmin Li](#), Tatsuo Kido, Z. Laura Tabatabai, Yun-Fai Chris Lau
- PD04 M Phase Leading Strand Telomere DNA Deprotection Caused by Mutations at DNA-PKcs Phosphorylation Sites  
[Shichuan Zhang](#) [Shinji Matsunaga](#), [Benjamin Chen](#)
- PD05 Novel PRKAG2 Mutations Causing Hypertrophic Cardiomyopathy- Rapamycin as a Therapeutic Option  
[Yanchun Xu](#), [Grahame Hardie](#), [James Padbury](#), [Philip Gruppuso](#),  
[Chanika Phornphutkul](#), [Yi-Tang Tseng](#)
- PD06 Genetic Variant in Glycoprotein Receptor Ia is Associated with Adverse Events after Coronary Surgery  
[Hanning Liu](#), Zhou Zhou, Shengshou Hu, Zhe Zheng
- PD07 Mre11 Might Recruits Conjugated SUMO Moieties to Facilitate the Assembly and Function of Mre11-Rad50-Xrs2 Complex  
[Yu-Jie Chen](#), Chi-Ning Chuang, Yun-Hsin Cheng, Chuang-Rung Chang,  
[Chih-Hsiang Leng](#), Ting-Fang Wang
- PD08 Three Distinct Modes of Yeast Mec1 and Tel1 Meiotic Activation Illustrate Differential Checkpoint Targeting  
[Yun-Hsin Cheng](#), Chi-Ning Chuang, Hui-Ju Shen, Feng-Ming Lin, Ting-Fang Wang
- PD09 Sexual Development of *Trichoderma reesei* CBS999.97 Wild Isolate Generates Segmental Aneuploidy Progeny  
[Yu-Chien Chuang](#), Wan-Chen Li, Chia-Ling Chen, Paul Wei-Che Hsu, Shu-Yun Tung,  
[Hsiao-Che Kuo](#), [Monika Schmoll](#), [Ting-Fang Wang](#)

**PE: Immunity, Infection and Inflammation**

- PE01 IFITM Proteins Restrict HIV-1 Infection by Antagonizing Envelope Glycoprotein  
Jingyou Yu, Minghua Li, Jordan Wilkins, Shilei Ding, Talia Swartz, Anthony Esposito, Yi-Min Zheng, Eric Freed, Chen Liang, Benjamin Chen, [Shan-Lu Liu](#)
- PE02 Inability to Resolve Specific Infection and Persistent Inflammation in  $Xiap^{-/-}$  Mice  
Wan-Chen Hsieh, Ya-Ting Chuang, I-Hsua Chiang, Shi-Chuen Miaw, Shu-Ching Hsu, [Ming-Zong Lai](#)
- PE03 Attenuated Dengue Type Four Viruses Containing Adaptive Mutation from MRC-5 Cells for Vaccine Development  
Hsiao-Han Lin, Hsiang-Chi Lee, Xiao-Feng Li, Meng-Ju Tsai, Hung-Ju Hsiao, Jia-Guan Peng, Shih-Che Sue, Cheng-Feng Qin, [Suh-Chin Wu](#)
- PE04 Effects of Paracetamol on Rats with Lipopolysaccharide-Induced Sepsis-Like Inflammation Syndrome  
Reui-Ling Chen, Mei-Huei Liao, Cheng-Ming Tsao, [Chin-Chen Wu](#)
- PE05 Effects of Hydralazine on Lipopolysaccharide-Induced Inflammation in Rats  
[Shiu-Jen Chen](#), Tsan-Seng Hsiao, Chih-Chin Shih, Reui-Ling Chen, Mei-Hui Liao, Michelle Hui-Hsin Lee, Chin-Chen Wu
- PE06 Highly Pathogenic PRRSV Infection Induced Apoptosis and Autophagy in Thymi of Infected Piglets  
Gang Wang, Ying Yu, Yabin Tu, Jie Tong, Yonggang Liu, Chong Zhang, En-Min Zhou, [Xuehui Cai](#)
- PE07 Vpr Increases Env Spikes on HIV-1 Virions to Enhance Viral Replication in Non-Dividing Myeloid Cells  
[Xianfeng Zhang](#), Tao Zhou, Dylan A. Frabutt, Yong-Hui Zheng
- PE08 Novel Action of Tylophorine Analogs Against HCV Replication Mediated Through HSC70  
[Ying Wang](#), Kuo-Hsiung Lee, Yung-Chi Cheng

**PE: Immunity, Infection and Inflammation**

- PE09 Galectin-1 Accelerates Wound Healing by Regulating the Neuropilin-1/Smad3/NOX4 Pathway and ROS Production in Myofibroblasts  
[Yueh-Te Lin](#), [Jihh-Sian Chen](#), [Ming-Heng Wu](#), [I-Shan Hsieh](#), [Chen-Hsien Liang](#), [Cheng-Lung Hsu](#), [Tse-Ming Hong](#), [Yuh-Ling Chen](#)
- PE10 High Mobility Goup Box 1 Induced Epithelial Mesenchymal Transition in Human Airway Epithelial Cells  
[Chen-Chen Lee](#), [Yu-Ching Chen](#), [Sarah Statt](#), [Reen Wu](#), [Hao-Teng Chang](#), [Jiunn-Wang Liaod](#), [Woei-Cherng Shyu](#)
- PE11 Inhibition of Haloalkanes-Induced Acute Oxidative Liver Injury through  $\alpha$ -Adrenergic Antagonism  
[Jung-Chun Lin](#), [Shih-Yu Wang](#), [Yi-Jen Peng](#), [Mei-Ju Lai](#), [Ton-Ho Young](#), [Herng-Sheng Lee](#)
- PE12 Chemical Profiling of Mentha Sp. Essential Oils and their Inhibitory Effect on Skin Inflammation  
[Wen-Ni Soo](#), [Yu-Hsin Chen](#), [Lie-Fen Shyur](#)
- PE13 The Role of G3BP1 Arginine Methylation in Stress Granule Assembly and Antiviral Functions  
[Wei-Chih Tsaj](#), [Lucas Reineke](#), [Richard Lloyd](#)
- PE14 Essential Role of Visfatin in Lipopolysaccharide and Colon Ascendens Stent Peritonitis-Induced Acute Lung Injury  
[Yi-Chen Lee](#), [Chun-Hao Tsai](#), [Chau-Chyun Sheu](#), [Inn-Wen Chong](#), [Po-Len Liu](#), [Wen-Lin Chang](#), [Yu-Sian Lin](#), [Yen-Hsin Liu](#), [Shyng-Shiou F. Yuan](#)
- PE16 Ovatodiolide Suppresses Allergic Airway Inflammation and Hyperresponsiveness in a Murine Model of Asthma  
[Chien-Neng Wang](#), [Yu-Pei Lin](#), [Chen-Chen Lee](#)
- PE18 Dynamics of Enterovirus 71 Evolution: from Global to the Host  
[Sheng-Wen Huang](#), [Jen-Ren Wang](#)

**PE: Immunity, Infection and Inflammation**

- PE19 Activation of Hepatitis B Virus Transcription by PRMT5 Protein Arginine Methyltransferases  
[Jian-Jun Deng](#), Wei-Wei Gao, Hei-Man Vincent Tang, Vidyanath Chaudhary, Yun Cheng, Pei-Hui Wang, Danny Ka Ho Wong, Man Fung Yuen, Stephanie Ma, Chi-Ping Chan, Dong-Yan Jin
- PE20 Suppression of Innate Interferon Production and Signaling by NSs Protein of Severe Fever-with-Thrombocytopenia Syndrome Virus  
[Vidyanath Chaudhary](#), Zhang Shou, Kin-Hang Kok, Dexin Li, Mifang Liang, Dong-Yan Jin
- PE21 Spleen Tyrosine Kinase Regulates TLRs and NLRP3 Inflammasome Activation in Macrophages  
[Wan-Wan Lin](#)
- PE22 Dengue Virus Induces HSF1 Activation to Manipulate Autophagic Machinery for Virus Replication  
[Tsung-Ting Tsai](#), Chiou-Feng Lin
- PE23 A commercial Monoclonal Antibody X Acts as a Blocking Antibody to Helicobacter Pylori Neutrophil-Activating Protein.  
[Ting Yu Kuo](#), Zhi Wei Hong, Hua Wen Fu
- PE24 An Increase in Galectin-3 Causes Cellular Insensitivity to IFN- $\gamma$  in Gastric Cancer Cells  
[Po-Chun Tseng](#), Chia-Ling Chen, Yan-Shen Shan, Chiou-Feng Lin
- PE25 c-Cbl Involved in Jak2 Activation and Ubiquitination in GM-CSF Signaling  
[Chun-Shan Liu](#), Jeffrey Jong-Young Yen

**PF: Metabolic Diseases**

- PF01 FGF1 Mediates Overnutrition-Induced Compensatory Beta-Cell Differentiation  
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