

Poster Session

Date/ Time: 12:40–13:00, March 24, 2018

Location: 1F Lobby, Xie Li Building

PA- Alzheimer's Disease (AD) and Amyotrophic Lateral Sclerosis (ALS): Apply Pluripotent Stem Cells for Disease Modeling and Drug Discovery

- PA-1 Flow-Metabolism Uncoupling in the Cervical Spinal Cord of ALS Patients
Toru Yamashita, Yumiko Nakano, Ryut Amorihara, Jingwei Shang, Kota Sato, Nozomi Hishikawa, Yasuyuki Ohta, Koji Abe
- PA-2 Chronological Change of In Vivo Optical Imaging of Oxidative Stress in a Mouse Stroke Model
Yumiko Nakano, Toru Yamashita, Ryuta Morihana, Koji Abe
- PA-3 Modeling Specific Cytopathies And Exploring Candidate Molecules Benefiting Motor Neurons Derived From Amyotrophic Lateral Sclerosis Induced Pluripotent Stem Cells
Hsiao-Chien Ting, Chia-Yu Chang, Hong-Lin Su, Mei-Fang Chen, Yi-Wen Chou, Yung-Jen Tsai, Po-Wen Shen, Horng-Jyh Harn, Shinn-Zong Lin
- PA-4 N-Butylidenephthalide Attenuates Alzheimer'S Disease-Like Cytopathy in Down Syndrome Induced Pluripotent Stem Cell-Derived Neurons
Chia-Yu Chang, Sheng-Mei Chen, Huai-En Lu, Syu-Ming Lai, Ping-Shan Lai, Po-Wen Shen, Pei-Ying Chen, Ching-I Shen, Horng-Jyh Harn, Shinn-Zong Lin, Shiao-Min Hwang, Hong-Lin Su
- PA-5 A Simple Chemical Defined and Feeder-Free Medium “Stemoto Medium” for Human Pluripotent Stem Cells Culture
Chia-Yu Chang, Chih-Yao Lin, Po-Wen Shen, Hsiao-Chien Ting, Yi-Wen Chou, Yung-Jen Tsai, Shinn-Zong Lin, Horng-Jyh Harn, Hong-Lin Su
- PA-6 Small Molecular Drug - Muses Have Significant Utility in the Prevention of Alzheimer's Disease
Weili Wu, Horng-Jyh Harn, Mei-Fang Chen, Chia-Yu Chang, Tzzy-Wen Chiou
- PA-7 Combined Intracerebral and Intravenous Deliveries of Mesenchymal Stem Cells and Plus Drug Treatment Stabilize the Motor Function of ALS Mice and A Patient
Kuo-Wei Hsueh, Horng-Jyh Harn, Shinn-Zong Lin

PB- GBM Stem Cell and Stem Cell-Derived Exosomes: The Emerging Role in Tumor Metastasis and Resistance

- PB-1 Epigenetic Modification of Exosome SOX2 Contributes to the Radioresistance of Cancer Stem Cells in Glioblastoma Multiforme
Ching-Ann Liu, Shinn-Zong Lin, Horng-Jyh Harn
- PB-2 Epigenetic Targeting DNMT1/PTCHD4 of Pancreatic Ductal Adenocarcinoma Using Interstitial Control Release Biodegrading Polymer to Significantly Extending Its Survival
Mao-Hsuan Huang, Tina E. Shih, Shinn-Zong Lin, Tzzy-Wen Chiou, Hong-Lin Su, Horng-Jyh Harn
- PB-3 Differential Lncrna Expression Profiles of Glioblastoma Tumor Subpopulations
Rajeev Vikram, Wen Cheng Chang, Chen Yang Shen
- PB-4 Epigenetic Modification and Differentiation Induction of Malignant Glioma Cells by Natural Products
Chien-Huang Liao, Gi-Ming Lai, Chih-Jung Yao
- PB-5 Novel 6-Pyrrolidinyl-4-Quinazolinone Derivative Compound (6-PQ)-Induced Apoptotic Cell Death in Temozolomide-Resistant Human Brain Glioblastoma Multiforms Cells
Chi-Cheng Lu, Hong-Yi Chiu

PC- Mitochondria Evolution in Stem Cell Differentiation

- PC-1 Enhancement of Human Mesenchymal Stem Cells Self-Rescue via Mitochondrial Transfer after Antioxidant Supplementation
[Chia-Jung Li](#), [Po-Kong Chen](#), [Li-Yi Sun](#), [Cheng-Yoong Pang](#)

PD- Epigenetic Alteration in Human Induced Pluripotent Stem Cells (iPSCs)- Potential Causes and Implications for Application

- PD-1 Generation of Induced Pluripotent Stem Cells from Segawa Disease Patient With GCH1 Mutation
[Yu Chen Lin](#), [Shih Ping Liu](#)
- PD-3 Reprogramming of Foreskin Fibroblasts into Induced Pluripotent Stem Cells for Cartilage Repair
[Dah-Ching Ding](#), [Kun-Chi Wu](#), [Yu-Hsun Chang](#)
- PD-4 A Non-Canonical Regulation of SOX2 and Its Binding on COL1 Promoter Contribute to Ameliorating Pulmonary Fibrosis by Butylidenephthalide
[Hong-Meng Chuang](#), [Li-Ing Ho](#), [Mao-Hsuan Huang](#), [Kun-Lun Huang](#), [Tzzy-Wen Chiou](#), [Shinn-Zong Lin](#), [Hong-Lin Su](#), [Horng-Jyh Harn](#)

PE- Gut-Brain: The Modulation of Brain Plasticity in Parkinson's Disease

- PE-1 Wireless Theta Burst Stimulation on Primary Motor Cortex Alleviating Apomorphine-Induced Rotation in Hemiparkinsonian Rat
[Chun-Wei Wu](#), [Jen-Jyun Jheng](#), [Jia-Jin Chen](#)

PF- Translational Stem Cell Therapies

- PF-01 Reduction of Intracerebral Hemorrhage Pretreated by Rivaroxaban after TPA Thrombolysis in Rat Is Associated with Down-Regulation of PAR-1 and PAR-2
[Ryuta Morihara](#), [Yumiko Nakano](#), [Toru Yamashita](#), [Koji Abe](#)
- PF-02 Therapeutic Efficacy of Adipose-Derived Stem Cells in Hyperglycemia-Induced Osteoarthritic Mice
[Navneet Kumar Dubey](#), [Win-Ping Deng](#)
- PF-03 Efficiently Generated Retinal Tissues from Keratinocytes Derived-IPSC Recapitulate Retinogenesis
[Rupendra Shrestha](#), [Yao-Tseng Wen](#), [Rong-Kung Tsai](#)
- PF-04 Immunosuppressive Effect of Mononuclear Cell Derived M2 Macrophage Polarized by Baicalin
[Yin-Siew Lai](#), [Rika Wahyuningtyas](#), [Renanda Baghaz](#), [Shin-Peir Aui](#), [Ko-Tung Chang](#)
- PF-05 Characterization of Self-Forming Retinal Pigment Epithelium Generated from Induced Pluripotent Stem Cells
[Rong-Kung Tsai](#), [Rupendra Shrestha](#), [Yao-Tseng Wen](#)
- PF-06 GXMPC1, A Preconditioned Adipose-Derived Stem Cells Ameliorate Cardiac Fibrosis by Regulating Macrophage Polarization
[Tsung-Ming Lee](#), [Chun-Hung Chen](#), [Ming-His Chuang](#), [Chi-Hsuan Chuang](#), [Pei-Syuan Chao](#), [Yong-Chenkao](#)
- PF-07 Formulation Design and Bioactivity Evaluation of Isoliquiritigenin and Fluorouracil Co-Delivered PLGA Nanoparticle
[Ming-Yao Hung](#), [Che-Wei Lin](#), [Ming-Wei Lin](#), [Ping-Ching Wu](#), [Yaw-Bin Huang](#)
- PF-08 Adipose-Derived Stem Cells Stimulated with Metformin Implements Therapeutic Effects of Parkinson's Disease
[Shi Jie Huang](#), [Shih Ping Liu](#)
- PF-09 Intracerebral Transplantation with GXNPC1 for Chronic Stroke : Phase I Trial
[Shinn Zong Lin](#), [Wan Sin Syu](#), [Po Cheng Lin](#), [Ming His Chuang](#), [Chi Hsuan Chuang](#), [Pi Chun Huang](#)
- PF-10 Combined Biodegradable Collagen-Glycosaminoglycan Scaffold and Neural Stem Cell Transplantation on

	Ischemic Stroke in Rats <i>Peter Bor-Chian Lin, Wei-Cherng Hsu, Li-Chuan Huang, Hui-I Yang, Cheng-Yoong Pang, Hock-Kean Liew</i>
PF-11	Using a MSA Transgenic Mouse Model to Study Therapeutic Effect of ADSC in Alleviating Neurodegeneration <i>Christine Chang, Che Hung Su, Bo Cheng Chen, Jen-Wei Liu, Tzzy-Wen Chiou</i>
PF-12	Generation of Mesenchymal Stem Cells Over-Expressing Telomerase Reverse Transcriptase for Improved Self-Renewal and Proliferative Capacity <i>Fei Ling Yap, Ee Choong Wong, Stephen Ambu Periathamby, Heng Fong Seow</i>
PF-13	An Efficient Method to Generate Neuronal Stem Cells from Human Teeth with Chronic Apical Periodontitis <i>Ying-Huei Ye, Ming-Jay Hwang, Szu-Chin Liao, Chi-Ting Chen, Chia-Hsin Liao</i>
PF-14	PEDF from ARPE-19 Promotes Proliferation and Inhibits Apoptosis of Umbilical Mesenchymal Stem Cells in Serum-Deprivation Medium <i>Yao-Tseng Wen, Dah-Ching Ding, Rong-Kung Tsai</i>
PF-15	Human Umbilical Cord Mesenchymal Stem Cells Exosome Therapy Attenuated the Cartilage Destruction in Osteoarthritis Rabbit Model <i>Yu-Hsun Chang, Kun-Chi Wu, Dah-Ching Ding</i>
PF-16	Transplanting Human Umbilical Cord Mesenchymal Stem Cells and Hyaluronate Hydrogel Repairs Cartilage of Osteoarthritis in the Mini-Pig Model <i>Kun-Chi Wu, Yu-Hsun Chang, Dah-Ching Ding</i>
PF-17	Explore the Human Ovarian Carcinogenesis Using a Spontaneous Transformed Syngeneic Model <i>Dah-Ching Ding, Tang-Yuan Chu</i>
PF-18	Characterization of Human Fallopian Tube Epithelial Stem Cell-Like Cells <i>Dah-Ching Ding, Tang-Yuan Chu</i>
PF-19	Human Umbilical Cord Mesenchymal Stem Cells Can Differentiate to a Retinal Pigment Epithelial Phenotype When Co-Cultured with a Retinal Pigment Epithelium Cell Line Using A Transwell System <i>Dah-Ching Ding, Yao-Tseng Wen, Rong-Kung Tsai</i>
PF-20	Establishment and Characterization of a Cell Line (150057) Originating from a Human Clear Cell Carcinoma of the Endometrium <i>Dah-Ching Ding, Tang-Yuan Chu</i>
PF-21	Direct Conversion of Human Skin Fibroblasts into Pre-Oligodendrocytes by Chemical Cocktails <i>Pei-Lun Lai, Chi-Hou Ng, Chi-Hsuan Chuan, Hsiao-Chun Huang, Jean Lu</i>
PF-22	Development of Novel Antibodies for Pluripotent Stem Cell Marker SSEA-3 <i>Yoshihiro Kushida, Kazuki Tatsumi, Tatsuya Segawa, Mieko Ohtsu, Masahiro Maeda, Naoya Masutomi, Shobei Wakao, Mari Dezawa</i>