# Disease modeling derived from stem cell and targeted drug delivery

| PA-1 | Mouse Mesenchymal Stem Cells Isolated from Different Sources and Strains Vary in Immunophenotype and Growth Kinetics  
Yap Fei-Ling, Ha Sieu-Jeak and Stephen Ambu Periathamby |
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| PA-2 | Studying the Mechanism of Adipose-derived Stem Cells in Treating Transgenic MSA Mice  
Zhe Sheng Jiang, Zong Qi Liu, Yu Chen Deng, Chih Yu Chen, Christine Chang,  
Tzyy Wen Chiou |
| PA-3 | The Effect of Photobiomodulation Therapy on Adipose-derived Stem Cells Derived from Type 2 Diabetic Patients  
Zhe‐Yu Lin, Shwu‐Fen Chang, Hsi Chang, Chun‐Chi Hou, Huan‐Chin Tseng, Ai‐Chen Lee, Julia Yi‐Ru Chen |

## The potential targets of cancer therapy

| PB-1 | Critical Role of Autophagy in Gastric Cancer Related Bacteria Caused Infection  
Wei HU, Lin ZHANG, Chi Hin CHO, William KK WU |
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| PB-2 | Follicular Fluid-IGF2 Induces Transformation and Regeneration of Fimbrial Epithelium upon Ovulation  
Hsuan-Shun Huang, Che-Fang Hsu, Pao-Chu Chen, Dah-Ching Ding,  
Tang-Yuan Chu |
| PB-3 | Hsp90 inhibitor for the treatment of colorectal cancer  
Yue Wan and Jing Shen |
| PB-4 | Transformation Effect of Fimbrial Epithelial Cells by The Mixture of Peritoneal Fluid and Follicular Fluid.  
Annseles Rajula Selvaraj, Tang-Yuan Chu |
| PB-5 | Targeting Orphan Nuclear Receptor TLX in Prostate Cancer  
Dinglan Wu |
| PB-6 | m6A RNA Modification Modulate PI3K/Akt/mTOR Signal Pathway in Gastrointestinal Cancer  
Qijie Zhao and Xiao Zhangang |
| PB-7 | The Anti-Tumor Effects of LncRNA-TP53TG1 in Breast Cancer  
Yuanlin Wu, Qijie Zhao, Jing Shen, Mingxing Li, Xu Wu, Yueshui Zhao |
| PB-8 | 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, Tzyy-Wen Chiou, Hong-Lin Su, Horng-Jyh Harn |
| PB-9 | Emulsification Increases the Therapeutic Efficacy of Intranasal n-Butyldieneephthalide against Malignant Brain Tumors  
Yu-Shuan Chen, Yu-Han Chiu, Yuan-Sheng Li, En-Yi Lin, Dean-Kuo Hsieh, Chia-Hung Lee, Mao-Hsuan Huang, Hong-Meng Chuang, Shinn-Zong Lin, Horng-Jyh Harn, and Tzyy-Wen Chiou |
| PB-10 | miRNA106b-5p/SOX2-mediated Communication via Exosomes Between Cancer Stem Cells and Non-cancer Stem Cells for Therapeutic Resistance in Glioblastoma Multiforme  
Ching-Ann Liu, Shinn-Zong Lin, Horng-Jyh Harn |
| PB-11 | Integrated Drug Screening Platform Reveals Candidate Drugs for Cytokine Release Syndrome in CAR-T Cell Therapy  
Yu-Chen Tsai, Hien-Ly Doan, Chi Ying F. Huang |
| PB-12 | N-butylidenephthalide kill type 2 ovarian cancer stem cells via inducing apoptosis and inhibition of cytokine and NF-κB expression  
Dah-Ching Ding |
| PB-13 | Shikonin kill type 2 ovarian cancer cells via inducing apoptosis  
Dah-Ching Ding |

Nanobody and Aptamer application in medicine

| PC-1 | A SERS Nano-tag-based Magnetic-separation Strategy for Highly Sensitive Immunoassay in Unprocessed Whole Blood  
Bao-liang Sun, Ying Wang, Cundong Fan, Zong-yong Zhang |

Clinical application: Neural progenitor transplantation therapies for Neural degenerative diseases

| PD-1 | hiPSC Derivatives at Institute of Eye Research: Retinal Organoid and Retinal Pigment Epithelium for Preclinical Studies  
Rupendra Shrestha, Yao-Tseng Wen, Rong-Kung Tsai |
| PD-2 | DSEPA Antagonizes High Glucose-induced Neurotoxicity: Evidences for DNA Damage-mediated P53 Phosphorylation and MAPKs and AKT Pathways  
Cun-dong Fan, Xiao-yan Fu, Ya-jun Hou, Zong-yong Zhang, Bao-liang Sun |
| PD-3 | Therapeutic Effects of Adoptive Transfer of Regulatory T Cells on Stroke  
Bao-liang Sun |
| PD-4 | TAT-MGLUR1 Attenuates Neuronal Apoptosis Through Preventing MGLUR1α Truncation After Experimental Subarachnoid Hemorrhage  
Zongyong Zhang, Baoliang Sun |
| PD-5 | Urocortin Regulates Mitochondrial Homeostasis to Protect Dopaminergic Neurons from Neurotoxic Damage  
Hsin-Yi Huang, Mei-Jen Wang |
| PD-6 | Intracerebral Transplantation of GXNPC1 in Chronic Stroke Patients: A First in Human Trial  
Sheng-Tzung Tsai, Shinn-Zong Lin, Tsung-Lang Chiu, Shun-Hung Lin, Horng-Jyh Harn, Po-Cheng Lin, Ming-Hsi Chuang, Wan-Sin Syu, Pi-Chun Huang, Yi-Fen Wang |
| Translation disease therapy |
| PE-1 | Virodhamine: A Cannabinoid Receptor Agonist to Enhance the Platelets Production from Megakaryocyte Through Modulation of Mitochondrial Reactive Oxygen Species  
Durga Shankar Sharma and Ravi Kumar Gutti |
| PE-2 | Lanyu Minipig as An Animal Model of Parkinson’s Model in Taiwan  
Chia-Hsin Liao, Yu-Jin Liao, Jenn-Rong Yang |
| PE-3 | Podocalyxin-like Protein 1 Regulates Human Pluripotent Stem Cell Self-renewal Through Cholesterol Biosynthesis Pathway  
Wei-Ju Chen, Hsuan Lin, Jean Lu |
| PE-4 | Developing of a New Culture Method Promoting Proliferation of Muse Cells Without Genomic Manipulation  
Gen Li, Masaaki Kitada, Mari Dezawa |
| PE-5 | Immune Modulation Effects of Urocortin against Ischemic Injury in Rats  
Wei-Fen Hu, Peter Bor-Chian Lin, Hsin-Yi Huang, Mei-Jen Wang, Cheng-Yoong Pang, Hock-Kean Liew |
| PE-6 | Expression of Transient Receptor Potential Cation Channel Subfamily V Proteins in Ketamine Cystitis  
Hsueh-Hui Yang, Jia-Fong Jhang, Hsiu-Jen Wang, Hsiu-Chen Huang, Wei-Jun Zhai, Hann-Chorng Kuo |
| PE-7 | Efficacy Assessment of Using Scutellaria Baicalensis Georgi in the Treatment of Emotional Diseases  
Hsin-Tzu Liu, Ming-Chung Lee |