

May 04 (Saturday)

Xie Li Auditorium

Keynote Speech [A]

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Moderator: Shinn-Zong Lin (Taiwan)

- 08:50-09:30 KS1-1 Translation of Stem Cell Research: Translational and Combinatory Stem Cell Regenerative Therapies for Ischemic Stroke
Ling Wei (U.S.A.)
- 09:30-10:10 KS1-2 Thermogenic Fat: Cellular Heterogeneity, Gene-editing and Therapeutic Potential
Yu-Hua Tseng (U.S.A.)

A1

Clinical application: neural progenitor transplantation therapies for Neural degenerative diseases

Moderator: Wutian Wu (Hong Kong)

- 10:30-11:00 A1-1 Comparative Study of Different Human-derived Stem Cells Transplantation to Treat Spinal Cord Injury in Rats
Kwok-Fai So (Hong Kong)
- 11:00-11:30 A1-2 Strategy for Clinical Trials of Muse Cells, Endogenous Reparative Pluripotent Stem Cells
Mari Dezawa (Japan)
- 11:30-12:00 A1-3 A Potential Small Molecule Therapeutic, SYN-516, Targeting alpha-Synuclein Translation in Dopaminergic Neurons and in Stem Cells Derived from Parkinson's Disease Patients
Catherine Cahill (U.S.A.)

B1

Tumor homing peptide for drug delivery and tumor imaging

Moderator: Horng-Jyh Harn (Taiwan)

- 13:00-13:30 B1-1 Vascular-targeted TNF α and IFN γ with A Tumor Homing Peptide Inhibited Colon Cancer
Chi Hin Cho (Hong Kong)
- 13:30-14:00 B1-2 Advanced Imaging for Cancer Research
Pei-Lin Chen (Taiwan)
- 14:00-14:30 B1-3 Outcomes of Stem Cell Transplantation for Unmet Neurological Conditions in Children
Nguyen Thanh Liem (Viet Nam)

C1

Disease modeling derived from stem cell and targeted drug delivery

Moderator: Kwok-Fai So (Hong Kong)

- 14:50-15:20 C1-1 Neuroprotective Therapy Both for Acute Ischemic Stroke and ALS
Koji Abe (Japan)
- 15:20-15:50 C1-2 Engineering Microenvironment for Increasing Neuronal Differentiation of Neural Stem Cell and Improving Functional Restore after Nerve Injury
Wu-Tian Wu (Hong Kong)
- 15:50-16:20 C1-3 CART Therapy for Hematological Malignancies: Outcome and Experience in a Center of China
Chun-Rong Tong (China)

Panel Discussion

Future of Regenerative Medicine and Immune Therapy for Cancer

Moderator: Shinn-Zong Lin (Taiwan)

- 16:50-18:00 Panelists *Kwok-Fai So (Hong Kong), Mari Dezawa (Japan), Yu-Hua Tseng (U.S.A.)*

A2

Nanobody and aptamer application in medicine & Disease modeling derived from stem cell and targeted drug delivery

Moderator: Nguyen Thanh Liem (Viet Nam)

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|-------------|------|---|
| 10:30-11:00 | A2-1 | Aptamer Selection and Specificity Design: Applications in Immunodetection, Intracellular Targeting, and Drug Delivery
<i>Lin-Chi Chen (Taiwan)</i> |
| 11:00-11:30 | A2-2 | Cooperative RNA Modulation to Improve Iron Homeostasis Specific to Neurons: A Potential Therapy to Prevent Neurodegeneration and Alzheimer's Disease
<i>Jack T Rogers (U.S.A.)</i> |
| 11:30-12:00 | A2-3 | Schwann Cell Transplantation Therapy for Spinal Cord Injury: An Update and Pre-clinical Considerations
<i>Xiao-Ming Xu (U.S.A)</i> |

B2

Autophagy for innate immunity in cancer & CarT immunotherapy

Moderator: Chi-Cheng Li (Taiwan)

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| 13:00-13:30 | B2-1 | Innate Immunity to Gastric Cancer Associated Bacteria: Cathelicidin and Autophagy
<i>Zhang Lin (China)</i> |
| 13:30-14:00 | B2-2 | Improve the Survival of Refractory/relapsed B-cell Acute Lymphoblastic Leukemia with CART Immunotherapy Followed by Allogeneic Stem Cell Transplantation
<i>Tong Wu (China)</i> |

C2

Clinical application: neural progenitor transplantation therapies for neural degenerative diseases & Epigenetic regulation in cancer

Moderator: Jack T. Rogers (U.S.A.)

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| 14:50-15:20 | C2-1 | Lithium Treatment of Down Syndrome
<i>Wise Young (U.S.A.)</i> |
| 15:20-15:50 | C2-2 | The Role of YTHDF3, a m6A Modification Reader, in EGFR-TKIs Resistance of Lung Adenocarcinoma
<i>Yi-Hung Chen (Taiwan)</i> |

May 05 (Sunday)

Xie Li Auditorium

Keynote Speech [B]

Keynote speech [B]

Moderator : Ling Wei (U.S.A.)

08:50-09:30 KS2-1 Nanobody and Application in Cancer Research

Yongming (Simon) Sang (U.S.A.)

09:30-10:10 KS2-2 Lightsheet Single-molecule Localization Microscopy from Cell Biology to Connectomics

Bi-Chang Chen (Taiwan)

D1

Clinical application: neural progenitor transplantation therapies for Neural degenerative diseases

Moderator: Mari Dezawa (Japan)

10:30-11:00 D1-1 Neuropsychological Deficits Chronically Developed after Focal Ischemic Stroke and Beneficial Effect of Pharmacological Hypothermia in the Mouse

Shan-Ping Yu (U.S.A.)

11:00-11:30 D1-2 Cell Therapy in Chronic Stroke Patients

Shinn-Zong Lin (Taiwan)

11:30-12:00 D1-3 Deciphering the Origins of Repopulated Microglia in the Central Nervous System

Bo Peng (China)

Oral Presentation

Oral Presentation

Moderator: Chi Hin Cho (Hong Kong)/Peilin Chen (Taiwan)

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| 10:30-10:45 | O1 | A Novel Drug Targeted-delivery System: NM/PLGA-PEG-PLGA
<i>Jianhao Wang (China)</i> |
| 10:45-11:00 | O2 | Integrated Drug Screening Platform Reveals Candidate Drugs for Cytokine Release Syndrome in Car-T Cell Therapy
<i>Yu-Chen Tsai (Taiwan)</i> |
| 11:00-11:15 | O3 | Immune Checkpoint Inhibitor Increase DNMT3A Expression Leads to PD-L1 Promoter Hypermethylation in Glioblastoma
<i>Sheng-Feng Tsai (Taiwan)</i> |
| 11:15-11:30 | O4 | PD-L1 and PD-L2 in Gastrointestinal Cancer: Expression Patterns and Related Signaling Pathways
<i>Qijie Zhao (China)</i> |
| 11:30-11:45 | O5 | miRNA-29b Can Effectively Modulate with Gamma Secretase Complex and Significant Improve Cognition at Alzheimer's Disease Transgenic Mice
<i>Li-Wei Wu (Taiwan)</i> |

Luncheon Seminar He Qi Conference Room, 2F

May 04 (Saturday)

Gwo Xi Stem Cell Applied Technology Co., Ltd. 國璽幹細胞應用技術股份有限公司

12:00-13:00 L1 Cell Therapy Regulation In Taiwan And Gwo Xi's Commercial Production Of Autologous Stem Cells
Ruei-Yue Liang (Taiwan)

May 05 (Sunday)

StemCyte International, Ltd. 永生生技集團

12:00-13:00 L2 Translational Research and Therapeutic Applications Of Cell-based Regenerative Therapies
Jonas C.T. Wang (Taiwan)