

## Keynote Speech [A]

### Keynote Speech [A]

- |             |       |   |
|-------------|-------|---|
| 08:50-09:30 | KS1-1 | Optochemogenetics Treatment in iPSC Therapy Promotes Brain Repair after Stroke<br><i>Shan Ping Yu 余山平 (U.S.A.)</i>  |
| 09:30-10:10 | KS1-2 | Targeting APP Gene Expression to Prevent Alzheimer's Specific Amyloidosis in Down Syndrome as a Model to Improve General Cognitive Impairment<br><i>Jack T. Rogers (U.S.A.)</i> |

## A1

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

- |             |      |  |
|-------------|------|--|
| 10:30-11:00 | A1-1 | Mechanism and Therapy of Granulocyte Colony Stimulating Factor (GCSF) and GCSF Gene in Alzheimer's Disease and Other Brain Diseases<br><i>Jang-Yen Wu 吳政彥 (U.S.A.)</i> |
| 11:00-11:30 | A1-2 | Mechanism of ALS and the Clinical Neuroprotection in Japan<br><i>Koji Abe (Japan)</i>  |
| 11:30-12:00 | A1-3 | A Translational Study on Looming-Evoked Defensive Response and the Underlying Subcortical Pathway in Autism<br><i>Kwok-Fai So 蘇國輝 (Hong Kong)</i>                      |

## B1

### Gene Editing and Amyotrophic Lateral Sclerosis (ALS): Apply Pluripotent Stem Cells for Disease Modeling and Drug Discovery

- |             |      |   |
|-------------|------|---|
| 13:00-13:30 | B1-1 | Reduced the Secreted Protein from NogoA-Overexpressed Muscle Cells Inhibits Neurite Outgrowth of Motor Neurons<br><i>Huai-Jen Tsai 蔡懷楨 (Taiwan)</i> |
| 13:30-14:00 | B1-2 | Cross Talk between the MAPK and WNT Signals in Intestine Stem Cell Niche<br><i>Bing Su 蘇冰 (China)</i>   |
| 14:00-14:30 | B1-3 | CRISPR/Cas9-Mediated Mitochondrial Genome Editing<br><i>Steven Lin 凌嘉鴻 (Taiwan)</i>   |

C1

Muse Cell and Translational Therapy

- |             |      |  |
|-------------|------|--|
| 14:50-15:20 | C1-1 | Unique Reparative Mechanism of Muse Cells: Specific Homing by S1P-S1P Receptor System<br><i>Mari Dezawa (Japan)</i>  |
| 15:20-15:50 | C1-2 | The Neuroprotective Effect of GPR37 on Regulating Multiple Cell Death and Inflammation Mechanisms after Ischemic Stroke in Mice<br><i>Ling Wei 魏玲 (U.S.A.)</i> |
| 15:50-16:20 | C1-3 | Interfollicular Epidermal Stem Cells in the Skin: How can We Regulate?<br><i>Kyoung Chan Park (Korea)</i>  |

Panel Discussion

Translation of iPS Cells -CMC, Gene Editing and Clinical Trial

- |             |           |     |
|-------------|-----------|-----|
| 16:20-18:00 | Panelists | TBA |
|-------------|-----------|-----|

## A2

### Gut-Brain: The Modulation of Brain Plasticity in Parkinson's Disease (Brain Machine Interface / Nerve and Tissue Engineering)

- |             |      |  |
|-------------|------|--|
| 10:30-11:00 | A2-1 | Versatility of Cord Blood Based Therapy - Is it the Answer for Neurological Disease?<br><i>Samantha M. Portis (U.S.A.)</i>           |
| 11:00-11:30 | A2-2 | Effects of Diabetes Mellitus on Biomechanics of Peripheral Nerves from Organ to Cell Level<br><i>Ming-Shaung Ju 朱銘祥 (Taiwan)</i>     |
| 11:30-12:00 | A2-3 | Targeting Alpha Synuclein Translation in Parkinson's Disease with 5'UTR Directed Small Molecules<br><i>Catherine Cahill (U.S.A.)</i> |

## B2

### Gene Editing and Translational Stem Cell Therapies

- |             |      |  |
|-------------|------|--|
| 13:00-13:30 | B2-1 | Reconstruction of Neural Circuit by Human Stem Cells<br><i>Su-Chun Zhang 張樹春 (Singapore)</i>                                 |
| 13:30-14:00 | B2-2 | Microfluidic Technique for Embryonic Stem Cell Culture<br><i>Chia-Hsien Hsu 許佳賢 (Taiwan)</i>                                 |
| 14:00-14:30 | B2-3 | Glyco-Engineering of IgG-Fc to Enhance the Biological Functions of Therapeutic Antibodies<br><i>Chung-Yi Wu 吳宗益 (Taiwan)</i> |

## C2

### Translational Stem Cell Therapies

- |             |      |   |
|-------------|------|---|
| 14:50-15:20 | C2-1 | Precise Gene Product Regulation From Hematopoietic Stem Cell to Mature Blood Cell<br><i>Michael R. Loken (U.S.A.)</i> |
| 15:20-15:50 | C2-2 | The Double-Edged Sword of Microglia<br><i>Wise Young (U.S.A.)</i>   |
| 15:50-16:20 | C2-3 | TBA<br><i>Koichi Nakayama (Japan)</i>   |

*March 25 (Sunday)*

*Xie Li Auditorium 協力講堂*

*Keynote Speech [B]*

Keynote Speech [B]

- |             |       |  |
|-------------|-------|--|
| 09:00-09:40 | KS2-1 | Fighting Fat with Fat: Therapeutic Potential of Brown Adipose Tissue<br><i>Yu-Hua Tseng 曾玉華 (U.S.A.)</i>                                       |
| 09:40-10:20 | KS2-2 | Targeting the Transcriptional Addiction of Leukemia Stem Cells by a New Class of Protein Kinase Inhibitors<br><i>Yimon Ben-Neriah (Israel)</i> |

*D1*

Translational Stem Cell Therapies

- |             |      |  |
|-------------|------|--|
| 10:40-11:10 | D1-1 | Human Pluripotent Stem Cells, Parkinson's Disease, and Dopaminergic Transplantation: Controversies and Complications<br><i>William J. Freed (U.S.A.)</i> |
| 11:10-11:40 | D1-2 | Muse Cell Treatment for Cerebral Ischemia<br><i>Kuniyasu Niizuma (Japan)</i>   |
| 11:40-12:10 | D1-3 | The p53 Mutome: Dealing with Mutational Complexity in Cancer Therapy<br><i>Thorsten Stiewe (Germany)</i>   |

*March 25 (Sunday)*

*Hu Ai Conference Room 互愛會議室*

*Oral Presentation*

Oral Presentation