Keynote Speech [A]

Keynote Speech [A]

Moderator: Shinn-Zong Lin 林府	欠榮	(Taiwan)
------------------------------	----	----------

08:50-09:30	KS1-1	Stem Cells Migrate from the Brain to the Periphery via the Lymphatic System and Guided by Inflammation after CNS Injury Cesar V. Borlongan (U.S.A.)
09:30-10:10	KS1-2	Game Changers: Using Cord Blood to Help the Brain Joanne Kurtzberg (U.S.A.)

A1

Pluripotent Stem Cells and Mesenchymal Stem Cell: Frontier Research

10:30-11:00	A1-1	Current Status and Development of Stem Cell Industry Kwok-Fai So 蘇國輝 (Hong Kong)
11:00-11:30	A1-2	Human Induced Pluripotent Stem Cells as Tools for New Drug Discovery of Amyotrophic Lateral Sclerosis (ALS)
		Shih-Ming Weng 翁仕明 (Taiwan)
11:30-12:00	A1-3	Application of Down Syndrome iPSC Derived Forebrain Neurons to Alzheimer's Disease in Vitro Modeling and Drug Screening
		Chia-Yu Chang 張嘉佑 (Taiwan)

B1

Engineer T Cell Therapy: CAR-T Strategies in Cancer

Moderator: Cesar V. Borlongan (U.S.A.)

13:00-13:30	B1-1	Stem Cells for Oral Tissue Regeneration Min-Huey Chen 陳敏慧 (Taiwan)
13:30-14:00	B1-2	Development of Clinical Live-Imaging of Anti-CD19 Chimeric Antigen Receptor T Cells to Predict Anti- Tumor Effect and Toxicity Yen-Michael Sheng Hsu (U.S.A.)
14:00-14:30	B1-3	Therapeutic Benefits of Cord Blood Plasma/Serum in Neurodegeneration Paul R. Sanberg (U.S.A.)

C1

Cancer and New Drug Development

Moderator: Akihiro Shimosaka (Japan)

14:50-15:20	C1-1	New Assembly Factor of Ribosome Biogenesis and Cancer Progression John Yu 游正博 (Taiwan)
15:20-15:50	C1-2	Cancer Immunotherapy Targeting Glycans Alice L. Yu 陳鈴津 (Taiwan)
15:50-16:20	C1-3	Superbug Biocontrol Using Bacteriophage Li-Kuang Chen 陳立光 (Taiwan)

Panel Discussion

iPS Cells in Clinical Trials: Progress and Challenges

Moderator: Shinn-Zong Lin 林欣榮 (Taiwan)

16:20-18:00 Panelists Paul R. Sanberg (U.S.A.), Kwok-Fai So 蘇國輝 (Hong Kong), Joanne Kurtzberg (U.S.A.),

Shih-Hwa Chiou 邱士華 (Taiwan)

A2

Cancer and New Drug Development

A2-3

Moderator: Yao Chan Chen 陳耀昌 (Taiwan)		
10:30-11:00	A2-1	Targeting Therapy of Malignant Brain Tumor by a Local Interstitial Delivery System Loading with a Novel Small Molecule IND for Phase I/IIA Approved by FDA (IND 128388) Horng-Jyh Harn 韓鴻志 (Taiwan)
11:00-11:30	A2-2	Development of New Anti-Cancer Strategies for Pancreatic Ductal Adenocarcinoma via Targeting Unique Metabolic Features of Cancer Stem Cells Chia-Ning Shen 沈家寧 (Taiwan)

Progesterone Prevents High-Grade Serous Ovarian Cancer by Induction Necroptosis of

P53-Defective Epithelium in Fallopian Tube

Tang-Yuan Chu 朱堂元 (Taiwan)

B2

11:30-12:00

Bioengineering and Biomaterial Application in Neuroscience

Moderator: Rong-Kung Tsai 蔡榮坤(Taiwan)			
13:00-13:30	B2-1	Human Gene Therapy- A Translational Road to Today and Beyond Guangping Gao 高光坪 (U.S.A.)	
13:30-14:00	B2-2	Granulocyte Colony Stimulating Factor (G-CSF) Therapy for Parkinson's Disease and Stroke Jang-Yen Wu 吳政彥 (U.S.A.)	
14:00-14:30	B2-3	Use of Biomaterials and Neural Stem Cells for Repairing CNS and PNS Injuries Wutain Wu 吳武田 (Hong Kong)	

C2

Gene Editing for iPS Cell of Disease

Moderator: Avery Posey (U.	.S.A.)	
----------------------------	--------	--

14:50-15:20	C2-1	Exploiting Pluripotency for a Greater Understanding of Human Diseases Hung-Chih Kuo 郭紘志 (Taiwan)
15:20-15:50	C2-2	Development of Human Stem Cell Cultures for Clincial Application Glyn Stacey (U.K.)
15:50-16:20	C2-3	Cancer Gene Somatic Mutagenesis by CRISPR/Cas9 You-Tzung (Bob) Chen 陳佑宗 (Taiwan)

Keynote Speech [B]

Keynote Speech [B]

Moderator: Tzyy-Wen Chiou 邱紫文 (Taiwan)			
	09:00-09:40	KS2-1	Precise Glycoediting by CRISPR/Cas9-Mediated Gene Disruption Confirming
			the Specificity of a Chimeric Antigen Receptor for the Globoside SSEA-4 <i>Avery Posey (U.S.A.)</i>
	09:40-10:20	KS2-2	Toxic Metabolite Pathways in Cancer Cells and Cancer Stem Cells
			Dohoon Kim (U.S.A.)

D1

Cancer and New Drug Development

Moderator: Yen-Michael Sheng Hsu (U.S.A.)			
10:40-11:10	D1-1	Regulation of Therapeutic Hypothermia on Inflammatory Cytokines, Microglia Polarization, Migration and Functional Recovery after Stroke Shan Ping Yu $\text{Ad} \mathcal{F}$ (U.S.A.)	
11:10-11:40	D1-2	Novel Bologic Nanodrugs for Cancer Treatment Silke Krol (Italy)	
11:40-12:10	D1-3	Importance of Cancer Immune Cell Therapy and Regulation Akihiro Shimosaka (Japan)	

E1

Pluripotent Stem Cells and Mesenchymal Stem Cell: Frontier Research

Moderator: Kwok-Fai So 蘇國輝 (Hong Kong)		
13:10-13:40	E1-1	Human Muse Cells Reconstruct Neuronal Circuitry in Rodent Acute and Subacute Stroke Models Mari Dezawa (Japan)
13:40-14:10	E1-2	Human iPSCs as a source for MSCs: Translational Possibilities for Neurodegenerative Diseases & Immunotherapy B. Linju Yen 顏伶汝 (Taiwan)
14:10-14:40	E1-3	Intranasal Transplantation of Stem cells and Neural Progenitor Cells with Gene Modification Increases Regeneration and Functional Recovery after Ischemic Stroke Ling Wei 魏玲 (U.S.A.)

F1

Pluripotent Stem Cells and Mesenchymal Stem Cell: Frontier Research

Moderator: Ling Wei 魏玲(U.S.A.)		
15:00-15:30	F1-1	Prenatal Transplantation of Human Amniotic Fluid Stem Cells Could Improve the Clinical Outcome of Type III Spinal Muscular Atrophy
15:30-16:00	F1-2	Sheng-Wen Shaw 蕭勝文 (Taiwan) Translational Research in Stem Cell Therapy: Manufacturing Cord Lining Mesenchymal Stem Cells (CL-MSC) under US-FDA CGMP Standard for Clincial Trials in Diabetic Foot Ulcers Toan-Thang Phan (Singapore)
16:00-16:30	F1-3	Development of Cellular Reprogramming and iPSC Technology as Personalized Medicine-Based Platform: From Bench to Clinic Bedside Shih-Hwa Chiou 邱士華 (Taiwan)

G1

Cancer and New Drug Development

Moderator: Shan Ping Yu 余山平 (U.S.A.)		
16:30-17:00	G1-1	Design of Integrin and VEGFR2-Specific Drugs for Cancer Woei-Jer Chuang 莊偉哲 (Taiwan)
17:00-17:30	G1-2	GROy Mediates the Immunosuppressive Function of Myeloid Cells through Regulating the Expression of TLRs Shu-Ching Hsu 許素著 (Taiwan)
17:30-18:00	G1-3	The Anti-Angiogenic and Anti-Cachectic Effects of Fucoidan in Bladder Cancer-Bearing Mice <i>Tz-Chong Chou 周志中 (Taiwan)</i>

D2

Bioengineering and Biomaterial Application in Neuroscience

Moderator: Wutain Wu 吳武田 (Hong Kong)			
10:40-11:10	D2-1	The Role of Blood-Optic Nerve Barrier and Anti-Inflammation to Rescue Retinal Ganglion Cells (RGCs) in Ischemic Optic Neuropathy Rong-Kung Tsai 蔡榮坤 (Taiwan)	
11:10-11:40	D2-2	Human CD40L-Activated B Cells as Antigen-Presenting Cells: Potential for Cancer Research Kuei-Ying Su 蘇桂英 (Taiwan)	
11:40-12:10	D2-3	Lithium Treatment of Severe Neuropathic Pain in Chronic Spinal Cord Injury Wise Young (U.S.A.)	

E2

Bioengineering and Biomaterial Application in Neuroscience

Moderator: Sheng-Huang Lin 林聖皇 (Taiwan)		
13:10-13:30	E2-1	Application of EEG-Based Brain-Computer Interface to Rehabilitation of Stroke Patients Ming-Shaung Ju 朱銘祥 (Taiwan)
13:30-13:50	E2-2	Suppression of Seizures by Photic and Electrical Stimulation Chou-Ching Lin 林宙晴 (Taiwan)
13:50-14:10	E2-3	A Thirty-Years History of Deep Brain Stimulation: Technological Innovation and Clinical Application Shin-Yuan Chen 陳新源 (Taiwan)
14:10-14:30	E2-4	The Altered Patterns of Digit Force Control in Patients with Hand Disorders Po-Tsun Chen 陳柏村 (Taiwan)
14:30-14:40		Discussion

Oral Presentation

Oral Presentation

Moderator: Kwok-Fai So 蘇國輝 (Hong Kong) / Dah-Ching Ding 丁大清 (Taiwan)			
15:00-15:12 C	1 Efficient Generation of C Fibroblasts Pei-Lun Lai 賴培倫 (Taiw	chemically Induced Mesenchymal Stem Cells from Human Dermal	
15:12-15:24 C	2 Positive Regulation of H Carcinoma Cells <i>Wei-Wen Sung 宋維文(</i>	F-1A Expression by EBV Oncoprotein LMP1 in Nasopharyngeal Taiwan)	
15:24-15:36 C	3 Tissue Engineered Nerve Peripheral Nerve Defect Hui Zhu 朱慧 (China)	e Graft Modified by BMSCs-Derived Acellular Matrix for Repairing Long	
15:36-15:48 C	4 Efficient Conversion of F Molecules Shang-Fu Chen 陳尚甫(luman Somatic Cells to Functional Multipotent Stem Cells by Small Taiwan)	
15:48-16:00 C	5 Juxtacrine and Paracrine Cell-Engineered Sheet Ti Chung-Hsing Chou 周中县	•	
16:00-16:12 C	6 Effects of Fat Stem Cells David C.P. Chen (U.S.A.)	on Liver and Renal Functions	
16:12-16:24 C	7 Transcriptome Analysis of Cell Differentiation Yan Huang 黄龑 (China)	of the Induced Pluripotent Stem Cell (iPSC)-Derived Pancreatic B-Like	

G2

Cancer and New Drug Development

Moderator:	Dohoon	Kim	(U.S.A.)

16:30-17:00	G2-1	Using p53 Activation as a Strategy to Regulate Skin Pigmentation and Melanoma Growth Control Chung-Hsing Chang 張中興 (Taiwan)
17:00-17:20	G2-2	n-Butylidenephthalide Exhibits Neuroprotection in Spinocerebellar Ataxia Type 3 through Regulation of Tryptophan 2, 3 Dioxygenase Karthyayani Rajamani (Taiwan)
17:20-17:40	G2-3	n-Butylidenephthalide Attenuate Amyotrophic Lateral Sclerosis Symptoms through Down-Regulation Autophagy Kuo-Wei Hsueh 薛國偉 (Taiwan)
17:40-18:00	G2-4	Isochaihulactone-Induced DDIT3 Causes ER Stress-PERK Independent Apoptosis in Glioblastoma Multiforme Cells Sheng Feng Tsai 蔡昇峰 (Taiwan)

Luncheon Seminar

He Qi Conference Room, 2F

April 15 (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 Commercial Production of Autologous Stem Cells and Therapeutic Potential for Stroke Chia-Hsin Lee 李家昕 (Taiwan)

April 16 (Sunday)

StemCyte International, Ltd. 永生生技集團

12:10-13:10 L2 An Innovative Vitamins-Containing Pure Silk facial Mask which Enhances Skin Stem Cells
Regeneration and Effectively Retards the Effects of Aging of the Skin

Jonas CT, Wang 王嘉宗 (U.S.A.)