

2015

International Conference on Stem Cells and Developmental Biology

幹細胞與發育生物學國際研討會

OCT 16-17, 2015
中央研究院人文館國際會議廳
ACADEMIA SINICA, TAIWAN



主辦單位
中央研究院
臺灣幹細胞學會
臺灣發育生物學會

協辦單位
生技醫藥國家型科技計畫:
人類疾病誘導型多潛能幹細胞服務聯盟
科技部幹細胞及再生醫學研究計畫辦公室
國立臺灣大學發育生物學與再生醫學研究中心
國立臺灣大學生命科學院

指導單位
科技部 科教發展及國際合作司



中央研究院
ACADEMIA SINICA
128, Sec. 2, Roosevelt Rd., Section 2,
Taipei 106, Taiwan, R.O.C. Tel: 886-2-2752-3434



受邀國際講者 International Invited Speakers

	Kathryn Anderson	Memorial Sloan Kettering Cancer Center
	Timothy H. Bestor	Columbia University
	Kwang Yul Cha	CHA General Hospital of Infertility Medical Center
	Chris Denning	University of Nottingham
	Jurgen Knoblich	Institute of Molecular Biotechnology
	Atsushi Miyajima	University of Tokyo
	Huck-Hui Ng	Genome Institute of Singapore
	Martin Pera	University of Melbourne
	Sugil Shigeki	Duke-NUS Graduate Medical School
	Didier Stainier	Max Planck Institute for Heart and Lung Research
	Ludovic Vallier	University of Cambridge
	Tao Zhong	Fudan University School of Life Science

國內講者 Local Speakers

白麗英	長庚大學生物醫學研究所
沈家寧	中央研究院基因體研究中心
邱士華	國立陽明大學臨床醫學研究所
洪士杰	中國醫藥大學整合幹細胞中心
莊永仁	國立清華大學生物資訊與結構生物研究所
陳示國	國立臺灣大學生命科學系
陳柏仰	中央研究院植物暨微生物學研究所
陳俊安	中央研究院分子生物研究所
黃效民	食品工業發展研究所生物資源保存及研究中心
郭炫志	中央研究院細胞與個體生物研究所
許惠真	中央研究院細胞與個體生物研究所
潘俊良	國立臺灣大學醫學院分子醫學研究所
謝清河	中央研究院生物醫學研究所
顏伶汝	國家衛生研究院細胞及系統醫學研究所

2015 International Conference on Stem Cells and Developmental Biology Scientific Program

Oct. 16, 2015 (Friday)

Time	Topic
08:00-18:00	Registration
08:00-10:00	Poster set up
09:00-09:10	Welcome Note: Tao-Shih Hsieh Opening Remarks : Chung-Liang Chien
	Session I Chair: Bon-Chu Chung; Cheng-Ting Chien
09:10-09:45	Keynote Speaker Dr. Kathryn Anderson, Memorial Sloan Kettering Cancer Center, USA Title: Regulation of Cilia Formation during Mouse Development
09:50-10:25	EMBO Keynote Lecture Dr. Jurgen Knoblich, Institute of Molecular Biotechnology of the Austrian Academy of Sciences (IMBA), Austria. Title: Modeling Human Brain Development and Disease in 3D Culture
10:30-11:00	Coffee Break/Poster Viewing
	Session II Chair: Chii-Ruey Tzeng; Y. Henry Sun
11:00-11:25	Dr. Kwang Yul Cha, CHA General Hospital, Korea. Title: Aspect of Stem Cell-Based Therapy
11:30-11:45	Dr. Yu-Chu Lin, Institute of Molecular Medicine, National Tsing Hua University Title: Rapidly Rewriting Tubulin Codes Inside Primary Cilia
11:50-12:05	Dr. Hwei-Jan Hsu, Institute of Cellular and Organismic Biology, Academia Sinica Title: Notch Signaling Mediates The Age-Associated Decrease in Adhesion of Germline Stem Cells to The Niche
12:10-12:40	TSDB Annual Meeting
12:10-13:20	Lunch/Poster Viewing
12:30-13:20	Industry Workshop

2015 International Conference on Stem Cells and Developmental Biology Scientific Program

Oct. 16, 2015 (Friday)

Time	Topic
	Session III Chair: Ting-Fen Tsai; Daniel Tzj-Bi Shih
13:30-13:45	Dr. Li-Mei Paj , Graduate Institute of Biomedical Sciences, Chang Gung University Title: Morphogenesis of Drosophila Follicular Epithelium is Regulated by Methionine Metabolic Enzymes Through COPI-Mediated Transport
13:50-14:05	Dr. Shih-Chieh Hung , Institute of Clinical Medicine, School of Medicine, National Yang-Ming University Title: Application of Hypoxic Culture on Mesenchymal Stem Cells: From Bench to Bedside
14:10-14:25	Dr. Hung-Chih Kuo , Institute of Cellular and Organismic Biology, Academia Sinica Title: Exploiting Pluripotency for A Greater Understanding of Human Development and Diseases
14:30-14:45	Dr. Jun-An Chen , Institute of Molecular Biology, Academia Sinica Title: Exploring The Functional Role of Non-Coding RNA during Neurogenesis
14:50-15:00	Group Photo
15:00-15:30	Coffee Break/Poster Viewing
	Session IV Chair: Jen-Leih Wu; Sheng-Ping L. Hwang; Ling Wang
15:30-15:55	Dr. Tao Zhong , Fudan University, China Title: Regulation of Ciliogenesis and Heart Development
16:00-16:25	Dr. Didier Stainier , Max Planck Institute for Heart and Lung Research, Germany Title: Genetic Compensation Induced by Deleterious Mutations but Not Gene Knockdowns
16:30-16:55	Dr. Chris Denning , University of Nottingham, UK Title: Engineering and Phenotyping Human Stem Cell Cardiomyocytes to Understand Genetic Heart Disease
17:00-17:15	Dr. Patrick Ching-Ho Hsieh , Institute of Biomedical Sciences, Academia Sinica Title: Heart Regeneration and Rejuvenation by Endogenous Stem Cells
17:20-17:35	Dr. Yung-Jen Chuang , Institute of Bioinformatics and Structural Biology, National Tsing Hua University Title: Epithelial-to-Mesenchymal Transition in Epicardium is Associated with Inflammatory Response during Zebra fish Heart Regeneration
17:40-19:00	Dinner
19:00-20:00	TSDB Poster Competition Facilitator: Shyh-Jye Lee
20:00-21:00	TSSCR Poster Competition Facilitator: Chia-Ning Shen

2015 International Conference on Stem Cells and Developmental Biology
Scientific Program
Oct. 17, 2015 (Saturday)

Time	Topic
08:00-12:00	Registration
	Session V Chair: <u>Hsin-Fu Chen</u>; <u>Shau-Ping Lin</u>
09:00-09:35	Keynote speaker Dr. <u>Martin Pera</u> , University of Melbourne, Australia Title: Human Pluripotent Stem Cells and The Human Embryo
09:40-10:05	Dr. <u>Timothy H. Bestor</u> , Columbia University, USA Title: Repression of Methylated Mammalian Promoters
10:10-10:30	Coffee Break/Poster Viewing
	Session VI Chair: <u>John Yu</u>; <u>Chung-Liang Chien</u>
10:30-10:55	Dr. <u>Huck-Hui Ng</u> , Genome Institute of Singapore, Singapore. Title: Systems Biology of Stem Cells
11:00-11:25	Dr. <u>Atsushi Mivajima</u> , University of Tokyo, Japan. Title: Mechanism of Liver Regeneration and Generation of Functional Liver Cells from <u>iPS</u> cells
11:30-11:45	Dr. <u>Chia-Ning Shen</u> , Genomics Research Center, Academia <u>Sinica</u> Title: Amelioration of Type I Diabetes via Direct Hepatocyte Reprogramming
11:50-12:20	TSSCR Annual Meeting
12:00-13:20	Lunch/Poster Viewing
12:30-13:20	Industry Workshop

2015 International Conference on Stem Cells and Developmental Biology Scientific Program

Oct. 17, 2015 (Saturday)

Time	Topic
	<p>iPSC mini-symposium Chairs: <u>Hong-Nerng Ho</u>; <u>Patrick Ching-Ho Hsieh</u></p>
13:30-13:55	<p><u>Dr. Ludovic Vallier</u>, University of Cambridge, UK Title: <u>hiPSCs</u> to Model Development and Disease</p>
14:00-14:15	<p><u>Dr. Shih-Hwa Chiou</u>, Institute of Clinical Medicine, National Yang Ming University Title: Development of Cellular Reprogramming and iPSC Technology as the Platform for Ophthalmic Research</p>
14:20-14:35	<p><u>Dr. Betty Linju Yen</u>, Institute of Cellular and System Medicine, National Health Research Institutes Title: <u>Immunomodulatory</u> Mechanisms of Human Mesenchymal Stem Cells (MSCs): Relevance for Immunotherapy</p>
14:40-14:55	<p><u>Dr. Shiay-Min Hwang</u>, Bioresource Collection and Research Center, Food Industry Research and Development Institute Title: iPSC Banking at BCRC</p>
15:00-15:30	Coffee Break/Poster Viewing
	<p>Session VII Chair: <u>Ing-Ming Chiu</u>; <u>Yi-Chun Wu</u></p>
15:30-15:55	<p><u>Dr. Shigeki Sugii</u>, Duke-NUS Graduate Medical School, Singapore Title: Molecular Signatures of Adipose-derived Stem Cells: Potential for Metabolic Reprogramming.</p>
16:00-16:15	<p><u>Dr. Pao-Yang Chen</u>, Institute of Plant and Microbial Biology, Academia Sinica Title: Genome wide DNA Methylation Profiling in Prenatal Cells</p>
16:20-16:35	<p><u>Dr. Chun-Liang Pan</u>, Institute of Molecular Medicine, College of Medicine, National Taiwan University Title: Spatial Control of Neurite Branching by <u>Wnt</u> Signaling</p>
16:40-16:50	<p>Certificate of Appreciation for sponsors Chair: <u>Tao-shih Hsieh</u></p>
16:50-17:20	<p>Poster Award and Presentation Co-Chairs: <u>Chia-Ning Shen</u>; <u>Shyh-Jye Lee</u></p>
17:20-17:30	Closing Remark: <u>Bon-Chu Chung</u> ; <u>Chung-Liang Chien</u>