

Scientific Program

Time / Date	April 13, 2013 (Saturday)	
07:30–08:30	Registration	
Location	Ballroom I	Ballroom II
08:30–08:50		Opening Ceremony
		Keynote Speech [A]
08:50–10:10		<p><u>Moderator: Shinn-Zong Lin (林欣榮)</u></p> <p>Wise Young Spinal Cord Regeneration</p> <p>Yi Eve Sun Transcriptome and Stem Cell Therapy</p>
10:10–10:30	Coffee Break	
10:30–12:00	Invited Speech [A1] Cell Therapy in Regenerative Medicine	Invited Speech [A2] Development of Medical Devices
	<p><u>Moderator: Yun Wang</u></p> <p>Toan-Thang Phan Cord Lining Stem Cells – A Novel Stem Cell Platform for Tissue Regeneration with Promising Commercial Potential in the Sphere of Regenerative Medicine</p> <p>I-Ming Chu (朱一民) In Vitro and in Vivo Co-Culture of Chondrocytes and Bone Marrow Stem Cells in Photo-Crosslinked PCL-PEG-PCL Hydrogels Enhances Cartilage Formation</p> <p>Hong-Kui Deng (鄧宏魁) Generation of Metabolically Functional Hepatocytes from Human Pluripotent Stem Cells</p>	<p><u>Moderator: Ian C. Hsu (許志樸)</u></p> <p>G. Steven Huang (黃國華) Development of Medical Devices with a touch of Nanotechnology</p> <p>Jeng-Ren Duann (段正仁) The Development of Neural Prostheses in BETRC</p> <p>Hsin-Hsin Shen (沈欣欣) Applying ITRI-BOX Thermal Gel to Develop Biologic Combination Devices</p>
12:00–13:00	Luncheon Seminar	
	<p>Gwo Xi Stem Cell Applied Technology Co., Ltd.(國豐幹細胞應用技術股份有限公司)</p> <p>Po-Cheng Lin (林珀丞) Stem Cell Application – The GWOXI Perspective</p>	

Time / Date	April 13, 2013 (Saturday)	
Location	Ballroom I	Ballroom II
13:00–14:30	Invited Speech [B1] Cell Therapy in Amyotrophic Lateral Sclerosis (ALS) & Spinal Cord Injury	Invited Speech [B2] New Drug Development for Epigenetics
	<p><u>Moderator: Kwok-Fai So (蘇國輝)</u></p> <p>Horng-Jyh Harn (韓鴻志) Therapeutic Effects of EF-002 in a Transgenic Mouse Model of Amyotrophic Lateral Sclerosing Mediated Autophagy</p> <p>Hong-Lin Su (蘇鴻麟) Efficient Generation of Human Neural Precursor Cells and Motor Neurons of Spinal Cord</p> <p>Hung-Chuan Pan (潘宏川) Feasibility of Human Amniotic Fluid-Derived Stem Cells in Neuropathic Pain and Nerve Regeneration</p>	<p><u>Moderator: Hung-Cheng Lai (賴鴻政)</u></p> <p>Ming-Shi Chang (張明熙) IL-20 is Involved in the Differentiation of Stem Cells and its Antagonist is a Potential Drug for Bone Diseases</p> <p>Shih-Hwa Chiou (邱士華) Investigation of Stemness Signature and Property in Cancer and Normal Cell</p> <p>Yang-Chang Wu (吳永昌) The Research & Discovery of Anti-Cancer Drug WYC-02</p>
14:30–14:40	Coffee Break	
14:40–16:10	Invited Speech [C1] Guideline for Adipose-Derived Stem Cell (ADSC) Therapy	Invited Speech [C2] Guideline for Cell Therapy in Stroke
	<p><u>Moderator: Shinya Murakami</u></p> <p>Win-Ping Deng (鄧文炳) IL6-mediated Tumor-promoting Properties of Adipose-derived Mesenchymal Stem Cell in Cancer Development</p> <p>Niann-Tzyy Dai (戴念梓) Wound Healing Potential of Adipose-Derived Stem Cells Seeded on a Novel Gelatin /Collagen/ Polycaprolactone Scaffold for Skin Regeneration</p> <p>Yur-Ren Kuo (郭耀仁) Immunomodulatory and Regenerative Effects in Adipose-derived Stem Cells</p>	<p><u>Moderator: Kenneth J. Giacin</u></p> <p>Paul R. Sanberg Lab-To-Clinic Translational Research: A Guiding Light To Translation Of Human Umbilical Cord Blood Transplantation For Stroke</p> <p>Ming-Hong Chen (陳敏弘) Applications of Neural Stem Cells Mediated Nanopeptide Hydrogel for the Repair of CNS Injuries</p> <p>Shih-Ping Liu (劉詩平) Mouse-Ips Cells Generated Under Hypoxic Conditions in the Absence of Viral Infection and Oncogenic Factors and Used for the Ischemic Stroke Therapy</p>

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Location	Ballroom I	Ballroom II	
16:10–17:10	Invited Speech [D1] Cell Therapy in Regenerative Medicine		
	<u>Moderator: Yi Eve Sun</u> Dueng-Yuan Hueng (洪東源) Using Magnetic Resonance Imaging Tracking Neural Progenitor Cells in Glioblastoma Model Oscar Kuang-Sheng Lee (李光申) Cell Therapy for Spinocerebellar Ataxia		
17:10-17:40	Penal Discussion		
	<u>Moderator: Wise Young</u> <u>Panelists</u> Yun Wang Paul R. Sanberg Kenneth J. Giacin Shinn-Zong Lin (林欣榮)		
18:00–20:00	Banquet		

Time / Date	April 14, 2013 (Sunday)	
08:00–09:00	Registration	
Location	Ballroom I	Ballroom II
09:00–10:20		Keynote Speech [B]
		<p><u>Moderator: Paul R. Sanberg</u></p> <p>Patrick Ching-Ho Hsieh (謝清河) Instructive Nanofibrous Materials for Cardiac Tissue Engineering</p> <p>Rutledge Ellis-Behnke The Spider Effect: a Novel Framework to Categorize Microglial Activation Status and Modulation</p>
10:20–10:40	Coffee Break	
10:40–12:10	Invited Speech [E1] Cell Therapy in Amyotrophic Lateral Sclerosis (ALS) & Spinal Cord Injury	Invited Speech [E2] New Drug Development for Epigenetics
	<p><u>Moderator: William J. Freed</u></p> <p>Ching-Piao Tsai (蔡清標) Diagnosis and Treatment of Amyotrophic Lateral Sclerosis in Taiwan</p> <p>Kwok-Fai So (蘇國輝) China Spinal Cord Injury Network (ChinaSCINet): Clinical Trial Network</p> <p>Wise Young Umbilical Cord Blood Mononuclear Cell and Lithium Clinical Trial Update</p>	<p><u>Moderator: Horng-Jyh Harn (韓鴻志)</u></p> <p>Kuender D. Yang (楊崑德) Adjustment of Mesenchymal Stem Cell and Cancer Stem Cell Differentiation and Growth by Proteomic Differential Displays</p> <p>Yun Wang Intranasal Administration of Cart Peptide Induces Neuroregeneration in Stroke Rats</p> <p>Hung-Cheng Lai (賴鴻政) Drug Development Using Ovarian Cancer Stem Cells</p>
12:10–13:10	Luncheon Seminar	
	<p>StemCyte Taiwan Co., Ltd.(台灣永生細胞股份有限公司)</p> <p>Kenneth J. Giacin Cord Blood Stem Cell Transplantation - Present and Future</p>	

Time / Date	April 14, 2013 (Sunday)	
Location	Ballroom I	Ballroom II
13:10–14:40	Invited Speech [F1] Cell Therapy in Regenerative Medicine	Invited Speech [F2] Development of Medical Devices
	<u>Moderator: Ling-Huei Huang (黃玲惠)</u> Shinya Murakami Periodontal Tissue Regeneration By Cytokine Therapy And Stem-Cell Therapy Shih-Chieh Hung (洪士杰) Hypoxic Culture of Mesenchymal Stem Cells: from Bench to Bedside Hsin-Fu Chen (陳信孚) Differentiation of Human Pluripotent Stem Cells into Functional Ovarian Granulosa-Like Cells	<u>Moderator: Mang Ou-Yang (歐陽盟)</u> Wen-Yuan Hsieh (謝文元) Developing the Magnetic Sorting Device for Cell Separation Shan-Hui Hsu (徐善慧) Translation from Bench: Biodegradable Nerve Conduits Rung- Ywan Tsai (蔡榮源) Electrochemical Sensor for the Detection of Hydrogen Peroxide by Polyamic Acid Derivates
14:40–14:50	Coffee Break	
14:50–16:20	Invited Speech [G1] Cell Therapy in Regenerative Medicine	Invited Speech [G2] Patent Freedom and Infringement
	<u>Moderator: Toan-Thang Phan</u> Yung-Luen Yu (余永倫) Epigenetic Regulation of Mesenchymal Stem Cells And Its Clinical Implications in Neurodegenerative Diseases William J. Freed The History and Future of Transplantation Therapy for Parkinson's Disease Tang-Her Jaing (江東和) Clinical Experience with Cord Blood Transplantation at Chang Gung Children's Hospital	<u>Moderator: Tzyy-Wen Chiou (邱紫文)</u> Tsui-Hua Clarice Chen (陳翠華) Protection, Limitation and Infringement of Biotechnology Patent in Taiwan Albert Wai-Kit Chan Patent Protection, Enforcement and Litigation of Stem Cells Technology David Albagli The Evolving Legal Landscape for Patent Protection of Stem Cells

Time / Date	April 14, 2013 (Sunday)	
Location	Ballroom I	Ballroom II
16:20–17:50	Invited Speech [H1] Cell Therapy in Amyotrophic Lateral Sclerosis (ALS) & Spinal Cord of Injury	Oral Presentation
	<p><u>Moderator: Rutledge Ellis-Behnke</u></p> <p>Koji Abe Cell Therapy for Ischemic Stroke and ALS</p> <p>Henrich Cheng (鄭宏志) Transplantation of BMMSC or OMPC in Animal Spinal Cord Injury</p> <p>Fu-Chou Cheng (陳甫州) Catwalk Gait Analysis and Deep Brain Stimulation in the Rat Model of Parkinson's Disease</p>	<p><u>Moderator: Kang-Hsi Wu (巫康熙)</u></p> <p><u>Tzu-Min Chan (詹子民)</u></p> <p>Steven SW Shaw (蕭勝文) Cell Fusion Phenomena Presents After Prenatal Transplantation Of Ds-Red Porcine Amniotic Fluid Stem Cells</p> <p>Chien-Wen Chen Human Perivascular Stem Cells For Post-Infarction Myocardial Repair And Regeneration</p> <p>Yasuo Iwasaki Zonisamide Protects Motor Neuron Death Against Glutamate Mediated Neurotoxicity</p> <p>Wen Li (李雯) SSEA3 Positive Cells In Human Dermal Fibroblasts Do Not Represent Multipotent Cells for Neural Induction</p> <p>Toru Yamashita iN Cell Models of Alzheimer's Disease</p> <p>Kuo-Wei Hsueh (薛國偉) EF-001 Prolonged The Survival Of Als Mice Through Down-Regulate Autophage Activity</p>
18:20–20:00	Presidential Dinner	