Joint Symposium of 2016 International Neural Regeneration Symposium (INRS2016) 10th Asia Pacific Symposium on Neural Regeneration (APSNR2016)

July 29-31, 2016 Yin-Chuan, Ningxia, P.R. China

Program at a Glance

2016-7-29 (Friday) 9:00-20:00	2016-7-30 (Saturday) 8:00-20:30		2016-7-31 (Sunday)8:00-12:00
Workshop: New Technology in Neural	Plenary Speech (English) 8:00-10:00 Level 1, Grand Phoenix		Mini-symposia (Chinese/English) 8:00-12:00 01 Craniocerebral injury and neural regeneration (Chinese) Level 1, Grand Phoenix A
Regeneration Research (Chinese) 9:00-12:00 Level 1, Grand Phoenix	Stem cell base construction and clinical research (Chinese) 10:00-12:20 Level 2, Canary Hall	Theme 3 Neuronal and Glial Plasticity (English) 10:00-12:20 Level 1, Grand Phoenix	02 Biomaterials and nerve regeneration (Chinese) Level 1, Grand Phoenix B 03 Neurodevelopment and neural regeneration (Chinese/English) Level 1, Grand Phoenix C
Lunch & Satellite Meetings (Chinese)	Lunch & Satellite Meetings (Chinese) 12:20-13:00 Level 1, Grand Phoenix		04 Stem cell basic research and clinical application (Chinese) Level 2, Lark Hall
12:00-13:00 Level 1, Grand Phoenix			S05 Peripheral nerve injury and repair (Chinese) Level 2, Peacock Hall
Keynote Speech: Jizong Zhao (Chinese) 13:00-13:45 Level 1, Grand Phoenix	Poster Competition 13:00-14:30		06 Spinal cord injury repair and neural regeneration (Chinese) Level 2, Swallow Hall
Theme 1 Translational Stem Cell Research			07 Spinal cord injury repair and treatment (Chinese) Level 2, Dove Hall
(English) 13:45-16:00 Level 1, Grand Phoenix	Theme 4 Regeneration and Plasticity of the Nervous System (English) 14:30-18:20 Level 1, Grand Phoenix	Theme 5 From Bench side to Bedside (English) 14:30-18:20 Level 2, Lark Hall	08 Brachial plexus and peripheral nerve injury repair and treatment (Chinese) Level 2, Lark Hall 2
Theme 2 Innovative Ideas and New Directions (English) 16:00-18:00 Level 1, Grand Phoenix			09 Brain injury, neuroimaging and neurorehabilitation (Chinese) Level 1, VIP Lounge
Group Photo 18:00-18:15	Dinner & NRR's Night: the 10th Anniversary of <i>Neural</i> Regeneration Research & Award Ceremony 18:30-20:30		010 Neurodegenerative disease and neuroprotective strategies (Chinese) Level 2, Magpie Hall 011Youth forum of neural
Dinner Session: Opening & Award Ceremony 18:15-20:00			011 Youth forum of neural regeneration basic research and rehabilitation strategies (Chinese) Level 1, Cafe 012 Neuropharmacology and optic
			nerve protection (Chinese) Level 2, Swan Hall 013 Oral presentations for international attendees (English) Level 2, Canary Hall

2016-07-29 (FRIDA	NY) 9:00-20:00 Venue: Level 1, Grand Phoenix	
9:00-12:00 Worksh	nop: New Technology in Neural Regeneration Research (Chinese)	
	n Zhang & Ling Wei, Xifan Mei	
9:00-9:30	Genetic engineering human stem cells by CRISPR (Chinese)	
	Su-Chun Zhang (University of Wisconsin-Madison, USA)	
0.20 10.00		
9:30-10:00	Introduction of ischemic stroke animals models (Chinese)	
	Ling Wei (Emory University, USA)	
10:00-10:30	3D Printed Nerve Regeneration Pathways in Complex Nerve Injuries (Chinese)	
	Xiaofeng Jia (University of Maryland & Johns Hopkins University , USA)	
10:30-11:00	Fiber photometry for neuronal activity recording (Chinese)	
	Chaoran Ren (Jinan University, China)	
11:00-12:00 Publishing your research in high-impact journals (English)		
11.00 12.00	Trevor Lane (Edanz, China)	
42.00.42.20		
12:00-12:30	Trial registration and publication ethical issues (Chinese)	
	Meng Zhao (Neural Regeneration Research, China)	
12:30-13:00	Application tips for National Natural Science Foundation of China (Chinese)	
	Xifan Mei (Jinzhou Medical University, China)	
13:00-13:45 Keyno	ote Speech	
	ı, Jianzhong Zhang	
13:00-13:45	Review on precision medicine (Chinese)	
13.00-13.43	Jizong Zhao (Beijing Tiantan Hospital)	
12:45 16:00 Thom	e 1 Translational Stem Cell Research	
	e i Translational Stem Cen Research bung & Mark Tuszynski	
13:45-14:30	Update on Clinical Trials of Umbilical Cord Blood Mononuclear Cell Therapy of Chronic	
	Spinal Cord Injury	
44.00.40.00	Keynote Speech: Wise Young (Rutgers, The State University of New Jersey, USA)	
14:30-15:00	Remote Regulation of Stem Cell-Repaired Neural Circuit	
	Su-Chun Zhang (University of Wisconsin-Madison, USA)	
15:00-15:30	Neural Stem Cells for Spinal Cord Injury	
	Mark Tuszynski (University of California, San Diego School of Medicine, USA)	
15:30-16:00	Q&A, Coffee Break	
16:00-18:00 Them	e 2 Innovative Ideas and New Directions	
Co-chairs: Xiao-M	ing Xu & Zu-Hang Sheng, Jian Xiao	
16:00-16:45	Mitochondria in Neural Regeneration	
	Keynote Speech: Zu-Hang Sheng (National Institutes of Health (NIH), USA)	
16:45-17:15	Small Molecule Probes for Protein Tyrosine Phosphatases	
	Zhong-Yin Zhang (Purdue University, USA)	
17:15-17:45	Protein synthesis in axons – a new target for boosting axon regeneration?	
	Jeffery L. Twiss (University of South Carolina, USA)	
17:45-18:00	Q&A	
18:00-18:15	Group Photo	
18:15-20:00	Dinner Session: Opening & Award Ceremony	
	Moderators: Tao Sun & Meng Zhao	
	2016 Pioneer in Neural Regeneration: Gong Ju, The Fourth Military Medical	
	University	
	2016 Leadership in Promoting Scholarly Publishing in Neural Regeneration: Lisha	

8:00-10:00 Plenar	v Speech	Venue:			
Co-chairs: Xiaosoi		Level 1, Grand Phoenix			
8:00-8:45	Protective mechanisms of Lycium Barbarum (Gouqizi/ Wolfberry) in Neurodegenerative				
	diseases	0			
	Plenary Speech: Kwok-fai So (Jinan University/University of Hong Kong, China)				
	2016 Lifetime Achievement in Neural Regeneration				
8:45-9:30	Protection and regeneration after spinal cord injury: impli	cations of combinatorial			
	repair strategies				
	Plenary Speech: Xiao-Ming Xu (Indiana University School o	of Medicine, USA)			
	2016 Lifetime Achievement in Neural Regeneration				
9:30-10:00	Coffee Break				
10:00-12:20 Them	ne 3 Neuronal and Glial Plasticity	Venue:			
Co-chairs: Henriet	te van Praag & Libing Zhou, Yi Sui	Level 1, Grand Phoenix			
10:00-10:30	Running-induced modifications of the circuitry of newly generated neurons in the adult				
	hippocampus Henriette van Praag (National Institutes of Health (NIH), USA)				
10:30-11:00	10:30-11:00 A novel stem cell therapy for spinal cord injury-induced chronic neuropathic pain				
	Feng Tao (Texas A&M University Baylor College of Dentistry, USA)				
11:00-11:30	Experience-dependent dendritic spine plasticity in the mo	use cortex			
	Wenbiao Gan (NYU Langone Medical Center, USA)				
11:30-12:00 Neural plasticity and its potential in neural repair after injuries					
40.00.40.00	Libing Zhou (Jinan University, China)				
12:00-12:20	Q&A				
	cell base construction and clinical research (Chinese)	Venue:			
Co-chairs: Kwok-f		Level 2, Canary Hall			
10:00-10:30	How to do stem cell clinical research in China: Policy interp	pretation			
	Xuke Yin (China Medicinal Biotech Association)				
10:30-11:00	Quality control of stem cell productions	of China)			
11.00 11.20	Baozhu Yuan (National Institutes for Food and Drug Control, China)				
11:00-11:30	How to do stem cell clinical trials in China's approved research institutes?				
	Jing Liu (First Hospital affiliated to Dalian Medical University, China)				
11:30-12:20	Roundtable Discussion				
12:20-13:00	Lunch & Satellite Meetings				
12:20-12:40	Staldson (Beijing) Biopharmaceuticals Co., Ltd: Applicati	on and Advantage of NGF in			
	Orthopedics Nerve Repair and Regeneration				
40.40.40.00	Moderator: Xiaosong Gu, Speaker: Jiang Peng				
12:40-13:00	Bairuiyuan Gouqi Corp.: Introduction of Bairuiyuan				
42.00.44.00	Speaker: Wanliang Hao				
13:00-14:30	Poster Competition Review Committee Chair: Wutian Wu Review Committee Members: Hui Fu, Hongxing Wang, Panpan Yu Wenbiao Gan, Xiaosong Gu, Chizuka Ide, Xiaofeng Jia, Gong Ju, Byung Gon Kim, Wei-Dong Le, P. Andy Li, Shaojun Liu, John H. Martin, Seeram Ramakrishna, Chaoran Ren, Zu-Hang Sheng, Kwok-fai So, Young-Jin Son, Feng Tao, Mark H. Tuszynski, Jeffery L. Twiss,				
	Henriette van Praag, Ling Wei, Xiao-Ming Xu, Wise Young, Su-Chun Zhang,				
	Zhong-Yin Zhang, Jizong Zhao, Libing Zhou				
14:30-18:20 Them	ne 4 Regeneration and Plasticity of the Nervous System	Venue:			
	Ramakrishna & Wutian Wu, Jiang Peng, Rui Li	Level 1, Grand Phoenix			
14:30-15:00	The construction and application of stem cell-based tissue engineered nerve				
	Xiaosong Gu (Nantong University, China)				
15:00-15:30	Nanobiomaterials for Neural Regeneration				
	Seeram Ramakrishna (National University of Singapore, Si	ingapore)			
					

15:30-16:00	Harnessing neural activity to promote repair of the damaged corticospinal system after			
	spinal cord injury			
	John H. Martin (City College of New York, USA)			
16:00-16:30	Cell transplantation for the treatment of spinal cord injury-bone marrow stromal cells			
	and choroid plexus epithelial cells			
	Chizuka Ide (Aino University School of Health Science, Japan)			
16:30-17:00	Q&A, Coffee Break			
17:00-17:30	Critical determinants of dorsal root regeneration			
	Young-Jin Son (Temple University School of Medicine, USA)			
17:30-18:00	Promoting regeneration in PNS by manipulation of proteoglycan			
Wutian Wu (University of Hong Kong, China)				
18:00-18:20	Q&A			
14:30-18:20 Then	ne 5 From Benchside to Bedside Venue:			
Co-chairs: Byung	Gon Kim & Weidong Le, Bo Zhang Level 2, Lark Hall			
14:30-15:00	Stem cells and optogenetics: a novel approaches for the treatment of ischemic stroke			
14.50-15.00	Ling Wei (Emory University, USA)			
15:00-15:30	Mitochondrial biogenesis as an approach to promote neurorecovery			
	P. Andy Li (North Carolina Central University, USA)			
	Regeneration-associated macrophages (RAMs): a novel approach to boost intrinsic			
15:30-16:00	regenerative capacity for axon regeneration			
	Byung Gon Kim (Ajou University School of Medicine, Republic of Korea)			
16:00-16:30	Q&A, Coffee Break			
	Establishment of a theory on target neural regeneration guided by the dorsal root			
16:30-17:00	stumps for repairing complete spinal cord transaction in adult animals			
	Shaojun Liu (Institute of Basic Medical Sciences, China)			
17:00-17:30	Nurr1-based neuroregeneration therapy for Parkinson's disease			
	Weidong Le (First Hospital affiliated to Dalian Medical University, China)			
17:30-18:00	Translational Neuroengineering and Neural Regeneration			
	Xiaofeng Jia (University of Maryland & Johns Hopkins University, USA)			
18:00-18:20	Q&A			
18:30-20:30	Dinner & NRR Night: the 10th Anniversary of Neural Regeneration Research & Award			
10.30-20.30	Ceremony			

2016-07-31 (SUNDAY) 8:00-12:00 Mini-symposia S01 Craniocerebral injury and neural regeneration (Chinese) Venue: Moderator: Tao Sun (Ningxia Medical University, China) Level 1. Grand Phoenix A Evaluators: Huichen Wang & P. Andy Li ★Baiyun Liu (Beijing Tiantan Hospital) ★Sai Zhang (Wu Jing Yi Xue Yuan Fu Shu Yi Yuan) ★Zhou Fei (Xijing Hospital, The Fourth Military Medical University) ★Muren Dang (The First Affiliated Hospital of Xinjiang Medical University) ★Guangxing L i (General Hospital of Ningxia Medical University) ★Ze Ma (General Hospital of Ningxia Medical University) ★Youcai Li (Ningxia People's Hospital) ★Jian Zhang (YinChuan First People's Hospital) ★Qiang Duan (The First Hospital of Shi Zui Shan) ★Jianguo Gao (Wuzhong People's Hospital) S02 Biomaterials and nerve regeneration (Chinese) Venue: Moderators: Jiang Peng (Chinese PLA General Hospital, China); Quanyi Guo Level 1, Grand Phoenix B (Chinese PLA General Hospital, China); Qing Zhao (Chinese PLA General Hospital, China); Aiyuan Wang (Chinese PLA General Hospital, China) Evaluators: Xiaosong Gu & Xiaofeng Jia Moderators: Quanyi Guo, Qing Zhao ★Qing Zhao (Chinese PLA General Hospital) ★Honglian Dai (Wuhan University of Technology) **★**Wenjun Li (Beijing Jishuitan Hospital) ★Xiumei Wang (Tsinghua University) **★**Yu Wang (Chinese PLA General Hospital) ★Cheng Sun (Nantong University) Moderators: Jiang Peng, Aiyuan Wang ★Jinghui Huang (Xijing Hospital, The Fourth Military Medical University) ★Qingtang Zhu (Sun Yat-sen University) **★**Peifu Tang (Chinese PLA General Hospital) ★Haitao Wu (Academy of Military Medical Sciences) ★Xun Sun (Nankai University School of Medicine) ★Bo Xiao (Chinese People's Liberation Army No. 94 Hospital) S03 Neurodevelopment and neural regeneration (Chinese/English) Venue: Moderator: Libing Zhou (Jinan University, China) Level 1, Grand Phoenix C Evaluators: Henriette van Praag & Wenbiao Gan, Feng Tao ★Liang Wang (Zhejiang University) ★Yaobo Liu (Soochow University) ★Jiasong Guo (Southern Medical University) ★Hui Fu (Wuhan University) ★Yibo Qu (Jinan University) **★**Panpan Yu (Jinan University) ★Chaoran Ren (Jinan University)

**Ran Zhang (Carl Zeiss AG)

S04 Stem cell basic research and clinical application (Chinese)

**Moderator: Jing Liu (First Hospital affiliated to Dalian Medical University, Level 2, Lark Hall

★Huanxing Su (University of Macau)

★Wu Yin (University of Science and Technology of China)

China) Evaluator: Kwok-fai So **★**Jing Liu (First Hospital affiliated to Dalian Medical University) ★Zhiqi Song (First Hospital affiliated to Dalian Medical University) ★Yijia Li (Yunnan Shunxi Stem Cell and Regenerative Medicine Research Center) ★Qiang Lv (Soochow University) **★**Yangiu Yu (China Medical University) **★**Wei Zou (Liaoning Normal University) ★Yang Liu (Dalian Institute of Chemical Physics, Chinese Academy of Sciences) ★Chao Liu (Anhui Medical Universtiy) **★**Jin Li (Beijing Duoying Translational Medicine Institute) ★Xiaoying Zhang (Siping Hospital of China Medical University) S05 Peripheral nerve injury and repair (Chinese) Venue: Moderator: Qunhua Jin (General Hospital of Ningxia Medical University) Level 2, Peacock Hall ★Jie Lao (Huashan Hospital, Fudan University) ★Xin Zhao (Huashan Hospital, Fudan University) Rui Cong (Xijing Hospital, The Fourth Military Medical University) ★Wenjun Li (Beijing Jishuitan Hospital) ★Fei Zhao (Ningxia People's Hospital) **★**Fan Gong (Ningxia People's Hospital) ★Min Yu (Ningxia People's Hospital) ★Yong Liu (Armed Police Ningxia Corps Hospital) S06 Spinal cord injury repair and neural regeneration (Chinese) Venue: Moderator: Xifan Mei (Jinzhou Medical University, China) Level 2, Swallow Hall **Evaluator:** Gong Ju ★Gong Ju (The Fourth Military Medical University) (English) ★Haitao Wu (Academy of Military Medical Sciences) ★Saijilafu (Soochow University) ★Yaobo Liu (Soochow University) ★Haixia Lv (Xi`an Jiaotong University) ★Jiaguang Tang (First Affiliated Hospital of PLA General Hospital) **★**Donghe Han (Jinzhou Medical University) ★Pengfei Lv (Jinzhou Medical University) ★Kai Gao (Jinzhou Medical University) ★Hua Zhana (Jinzhou Medical University) S07 Spinal cord injury repair and treatment (Chinese) Venue: Moderator: Hezuo Lv (The first affiliated hospital of BengBu Medical Level 2, Dove Hall College, China) Evaluators: Zu-hang Sheng & Shaojun Liu ★Hezuo Lv (BengBu Medical College) ★Zhigong Wang (Southeast University) ★Changfeng Fu (The First Hospital of Jilin University) ★Zhonghai Li (First Affiliated Hospital of PLA General Hospital) ★Xinran Ji (Chinese PLA General Hospital) ★Tao Sui (Jiangsu Province Hospital) ★Zhi Li (Fengtian Hospital Affiliated to Shenyang Medical College) ★Guangchen Nie (Harbinshi Diwu Yiyuan) S08 Brachial plexus and peripheral nerve injury repair and treatment Venue:

(Chinese) Level 2, Lark Hall 2 Moderator: Rui Li (The Second Hospital of Jilin University, China) **Evaluator: Xiao-Ming Xu** ★Rui Li (The Second Hospital of Jilin University) ★Naikui Liu (Indiana University School of Medicine, USA) ★Hongxing Wang (The First Affiliated Hospital with Nanjing Medical University) ★Wenrui Qu (Bethune Second Hospital) ★Longyun Fang (Yanbian University Hospital) **★**Wenhui Yu (Northeast Agricultural University) ★Ying Wang (Mudanjiang Medical University) ★Hongbin Zhao (The General Hospital of Lanzhou Military) ★Guoming Shen (Anhui University of Chinese Medicine) ★Yunhao Xue (Beijing Jishuitan Hospital) S09 Brain injury, neuroimaging and neurorehabilitation (Chinese) Venue: Moderator: Bo Zhang (The Second Hospital of Dalian Medical University, Level 1, VIP Lounge China) **Evaluator: Ling Wei** ★Bo Zhang (The Second Hospital of Dalian Medical University) ★Anchen Guo (Beijing Tiantan Hospital) **★**Peng Luo (Xijing Hospital) ★Zhenni Guo (The First Hospital of Jilin University) ★Bo Li (Jinan Military General Hospital) ★Tingzhun Zhu (The Second Hospital of Dalian Medical University) ★Peiyu Cong (Dalian Municipal Central Hospital Affiliated of Dalian Medical University) ★Peng Yang (The First Affiliated Hospital of Soochow University) ★Zongduo Guo (The First Affiliated Hospital of Chongging Medical University) ★Chengliang Luo (Medical College of Soochow University) ★Sugi Zou (Nanchang University) **★**Zuncheng Zheng (Taian City Central Hospital) **★**Jun Liu (Xiangya Hospital) ★Suhua Qi (Xuzhou Medical University) S10 Neurodegenerative disease and neuroprotective strategies (Chinese) Venue: Moderator: Yi Sui (Shenyang First People's Hospital, China) Level 2, Magpie Hall **Evaluator: Weidong Le** ★Guohuang Fan (Tongji University School of Life Sciences and Technology) **★**Zhengliang Gao (Tongji University) ★Guoging Zheng (The 2nd Affiliated Hospital of Wenzhou Medical University) ★Hongquan Jiang (Harbin Medical University) **★**Jie Li (Xinxiang Medical University) ★Chao Jiana (Shanxi University of Chinese Medicine) ★Xingchun Gou (Xi'an Medical College) ★Yi Sui (Shenyang First People's Hospital) S11 Youth forum of neural regeneration basic research and rehabilitation Venue: strategies (Chinese) Level 1, Dining room Moderator: Xuyi Chen (Tianjin Affiliated Hospital of Armed Police Medical College, China); Feng Duan (Tianjin University, China) **Evaluator: Suchun Zhang**

★Song Qin (Tongji University)

- ★Qiangsong Wang (Chinese Academy of Medical Sciences & Peking Union Medical College Institute of Biomedical Engineering)
- **★**Feng Duan (Tianjin University)
- ★Xiaoying Lv (Southeast University)
- ★Yungiang Xu (General Hospital of Tianjin Medical University)
- ★Xiaohong Li (The Key Laboratory of Tianjin Neurotrauma Repair)
- ★Guangdi Chen (Zhejiang University)
- ★Yingfu Liu (The Affiliated Hospital of Logistics Institute of Chinese People's Armed Police Forces)
- **★**Bin Liu (Hebei Medical University)

S12 Neuropharmacology and optic nerve protection (Chinese)	Venue:
Moderator: Jian Xiao (Wenzhou Medical University, China)	Level 2, Swan Hall
Evaluators: Zhong-Yin Zhang & Si-Wei You	

- ★Jian Xiao (Wenzhou Medical University)
- **★**Bo Peng (Shenzhen Institute of Advanced Technology, Chinese Academy of Sciences)
- ★Yuanyi Wang (The First hospital of Jilin University)
- ★Haolong Liu (Capital Medical University)
- ★Hongyu Zhang (Wenzhou Medical University)
- ★Ling Ye (Tongji University)
- ★Ru Yan (General Hospital of Ningxia Medical University)
- ★Xuesong Mi (The First Affiliated Hospital of Jinan University)

S13 Oral presentations for international attendees (English)	Venue:
Moderator: Wutian Wu (The University of Hong Kong, China)	Level 2, Canary Hall
Evaluators: Chizuka Ide, Byung Gon Kim, John H. Martin, Young-Jin Son,	
Mark H. Tuszynski, Jeffery L. Twiss	

- ★Jianrong Li (Texas A&M University, USA)
- ★Zhongwu Liu (Henry Ford Hospital, USA)
- ★Sonata Suk-yu Yau (Hong Kong Polytechnic University, Hong Kong, China)
- ★Heng Li (The University of Hong Kong, Hong Kong, China)
- ★Carolin Ruven (The University of Hong Kong, Hong Kong, China)
- **★**Songlin Li (Wenzhou Medical University)
- ★Hong Chen (Tongji Hospital College Huazhong University of Science & Technology)
- ★Ning Shen (Jinan University)
- **★**Feng Liu (Jinan University)
- ★Hongmei Zhang (Shanxi Medical University)