### August 26, Friday (Day 2)

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<th>Time</th>
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<td>8:15-9:00</td>
<td><strong>Opening Ceremony</strong></td>
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| 9:15-10:45 | **Session 1:** Joint Session of European Society for Surgery Research and International Society for Experimental Microsurgery for Microsurgical Education/Training Programs (1)  
**Chairs:** Dr. Jianning Zhang (China)  
Dr. Robert M. Hoffman (USA)  
Dr. Zhixiang Zhang (China)  
Dr. Eiji Kobayashi (Japan)  
Dr. Caigan Du (Canada) |
| 9:15-9:35 | Microsurgical training for residents: educational program and experiences at the University of Debrecen  
**Invited Speaker:** Dr. Norbert Nemeth (Hungary)  
*Department of Operative Techniques and Surgical Research, Faculty of Medicine, University of Debrecen, Debrecen, Hungary* |
| 9:35-9:55 | Future developments in microsurgery training at Columbia University, NY. Standardization of Microsurgery Training courses by objective outcome measures and skills assessment tools: A multi-center experience  
**Invited Speaker:** Dr. Yelena Akelina (USA)  
*Department of Orthopaedic Surgery, Columbia University, NY, USA* |
| 9:55-10:05 | Aspects of microsurgical training and experimental microsurgery: consensus of the 2015 Round Table Meeting of the European Society for Surgical Research (ESSR) and the International Society for Experimental Microsurgery (ISEM)  
*Department of General, Visceral, and Transplantation Surgery, RWTH-Aachen University, Aachen, Germany* |
| 10:05-10:15 | **Scandinavian Microsurgery Academy - the first multilevel microsurgical training program in Scandinavia**  
Mihai Oltean, Paolo Sassu, Mats Hellström, Peter Axelsson, Lars Ewaldsson, Anders G. Nilsson, Michael Axelsson  
*Transplant Institute, Sahlgrenska University Hospital, Gothenburg, Sweden* |
10:15-10:25 Educational hands-on seminar for microsurgical training by ISEM west Japan
   Shintaro Yagi, Shinji Uemoto, Eiji Kobayashi
   Department hepatobiliary pancreas and transplant surgery, Kyoto University, Kyoto, Japan

10:25-10:35 New Steps in Future Developments of Microsurgery Training: Supramicrosurgery Training Course and Quality Assessments
   Yelena Akelina
   Department of Orthopedic Surgery, Columbia University, New York, USA

10:35-10:45 Standardizing the Training Courses and Objective Outcome Measurements and Quality Assessments in Microsurgery Education & Training; Multi-centers ongoing study
   Yelena Akelina, Simon R Myers, Ali Ghanem, Georgios Pafitanis
   Department of Orthopedic Surgery, Columbia University, NY, USA

10:45-11:00 Coffee Break

11:00-12:10 Session 2: Joint Session of European Society for Surgery Research and International Society for Experimental Microsurgery for Microsurgical Education/Training Programs (2)
   Chairs: Dr. Hua Yan (China)
     Dr. Xinlong Ma (China)
     Dr. Norbert Nemeth (Hungary)
     Dr. Hao Wang (China)
     Dr. Shiguang Qian (USA)
   11:00-11:20 Small and large animals: an optimal tool in establishing a comprehensive training program in reconstructive microsurgery.
     Invited Speaker: Dr. Mihai Ionac (Romania)
     Division of Vascular Surgery and Reconstructive Microsurgery, Victor Babes University of Medicine and Pharmacy, Romania

11:20-11:40 International Microsurgery Simulation Society Global Standards I & II: Consensus recommendation for early training and assessment
   Invited Speaker: Dr. Georgios Pafitanis (Cypriot)
   Department of Plastic Surgery & Academic Plastic Surgery Unit
   The Royal London Hospital, Barts Health NHS Trust & Barts and the London School of Medicine and Dentistry, Queen Mary University of London, England

11:40-11:50 Microsurgery training by camcorder vs microscope system: comparison in medical students
Marcus Vinicius Henriques Brito, Rui Sergio Monteiro de Barros, Vitor Nagai Yamaki, Daniel Haber Feijó, Denilson Jose Silva Feitosa Junior, André Lopes Valente, Eduardo Henrique Herbster Gouveia, Renan Kleber Costa Teixeira, Jose Maciel Calda dos Reis
Laboratory of Experimental Surgery, UEPA, Pará, Brazil

11:50-12:00  Video based self-assessment of process- and result quality as a novel teaching tool to support acquisition of microsurgical skills
Uta Dahmen, Claudia Schindler, Weiwei Wei, Chichi Xie, Olaf Dirsch and Utz Settmacher
Experimental Surgery, Department of General, Visceral and Vascular Surgery, University Hospital Jena, Jena, Germany

12:00-12:10  The role of micro-rheological investigations in microsurgical research
N. Nemeth
Department of Operative Techniques and Surgical Research, Faculty of Medicine, University of Debrecen, Debrecen, Hungary

12:10-13:30 Lunch Break/Industry Symposium

13:30-15:10  Session 3: Transplantation/Immunology
Chairs: Dr. Ximo Wang (China)
Dr. Yelena Akelina (USA)
Dr. Huifang Chen (Canada)
Dr. Yingxin Fu (China)

13:30-13:50  T-bet, a new marker for antibody-mediated rejection?
Invited Speaker: Dr. Qiquan Sun (China)
Department of Renal Transplantation, The Third Affiliated Hospital, Sun Yet-sen University, Guangzhou, China

13:50-14:10  Rejection Triggers Transplant Tolerance
Invited Speaker: Dr. Shiguang Qian (USA)
Cleveland Clinic, Case Western Reserve University, Ohio, USA

14:10-14:20  Suppressive Effects of Endometrial Regenerative Cells on B Cell Response and Prolongation of Mouse Cardiac Allograft Survival
Xiaoxi Xu, Ning Lu, Xiangying Gu, Bai Zhang, Weijun Tian, Zhixiang Zhang, Hongqiu Han, Hao Wang
Department of General Surgery, Tianjin Medical University General Hospital, Tianjin, China

14:20-14:30  Delayed Donor Bone Marrow Infusion Induces Tolerance in a Rat Liver Transplant Model
Yan Xie, Yang Wu, Kang Xin, JiaoJing Wang, Hong Xu, Suzanne T. Ildstad, Joseph Leventhal, Josh Levitsky, Zheng Zhang

*Comprehensive Transplant Center, Northwestern University Feinberg School of Medicine, Chicago, IL, USA*

**14:30-14:40** Triptolide Attenuates B cell response after Mouse Heart Transplantation
Junsheng Ye, Yuming Yu, Yun Miao, Minjie Zhou, Renfei Xia, Wenfeng Deng, Lixin Yu
*Department of Kidney Transplantation, Nanfang Hospital, Southern Medical University, Guangzhou, Guangdong, China*

**14:40-14:50** Research on the role of miR-146a in regulating the Treg cells inhibiting the rejection process in mice cardiac transplantation
Feng Qi, Jisen Cao, Jinmiao Wang, Duowei Wang
*Department of General Surgery, Tianjin Medical University General Hospital, Tianjin, China*

**14:50-15:00** ECDI Fixed Donor Splenocytes Combined with α-1 Antitrypsin Induce Immune Tolerance in Mice Cardiac Transplantation Model
Guodong Chen, Longhui Qiu, Xingqiang Lai, Chang Wang, Jing Zhang, Shuangjin Yu, Lizhong Chen
*Organ Transplant Center, The First Affiliated Hospital of Sun Yat-sen University, Guangzhou, Guangdong, China*

**15:00-15:10** Pre-transplant infusion of extracorporeal photopheresis treated donor splenocytes leads to long-term liver allograft survival and donor specific tolerance in rats
Xin Kang, Yan Xie, Xin Yi Yeap, JiaoJing Wang, Jennifer Schneiderman, Zheng jenny Zhang
*Comprehensive Transplant Center; Northwestern University Feinberg School of Medicine, Chicago, IL, USA*

**15:10-15:25** Coffee Break

**15:25-17:15** Session 4: Ischemia-reperfusion: Prevention and Protection
**Chairs:** Dr. Xiaorong Li (China)
Dr. Mihai Oltean (Sweden)
Dr. Ping Lan (China)
Dr. Yijun Wang (China)
Dr. Bai Zhang (China)

**15:25-15:45** Induction of Tolerance and Regeneration using AngioStem Placental MSC
Invited Speaker: Dr. Thomas Ichim (USA)
Associate Editor, Journal of Translational Medicine, Batu Biologics, Inc
San Diego, CA, USA

15:45-16:05 What's happened after kidney ischemia-reperfusion injury?
Invited Speaker: Dr. Caigan Du (Canada)
Department of Urologic Sciences, University of British Columbia, Vancouver, BC, Canada

16:05-16:15 Impact of groin flap ischemia-reperfusion on red blood cells’ micro-rheological parameters in a follow-up study on rats
Zs. Magyar, A. Molnar, D.B. Nachmias, D. Mann, V. Sogor, A. Mester, N. Nemeth
Department of Operative Techniques and Surgical Research, Faculty of Medicine, University of Debrecen, Debrecen, Hungary

16:15-16:25 Intra- and postoperative microcirculatory and morphological investigation of groin flap ischemia-reperfusion in the rat
A. Molnar, Zs. Magyar, D.B. Nachmias, D. Mann, L. Toth, N. Nemeth
Department of Operative Techniques and Surgical Research, Faculty of Medicine, University of Debrecen, Debrecen, Hungary

16:25-16:35 Effects of Ulinastatin on liver cold ischemia/reperfusion injury and graft survival
Lianyue Guan, Hongyu Liu, Peiyao Fu, Zhuonan Li, Lijuan Xie, Wei Li
Hepatobiliary-Pancreatic Surgery, China-Japan Union Hospital of Jilin University, Changchun, Jilin, China

16:35-16:45 Immunoregulation of inflammatory response on intestinal graft in a mouse model associated to remote ischemic preconditioning and N-acetylcysteine
M.S. Abrahão, N. Cruz de Victo, M.K. Koike, N.O.S. Camara, J.F. Jacysyn, E.F.S. Montero
Department of Surgery, Operative Technique and Experimental Surgery Division, Universidade Federal de São Paulo, São Paulo, Brazil

16:45-16:55 Clusterin deficiency worsens renal inflammation and fibrosis after the recovery phase of ischemia-reperfusion injury
Jia Guo, Qiunong Guan, Xiuheng Liu, Hao Wang, Martin E. Gleave, Christopher Y.C. Nguan, Caigan Du
Department of Urology, Renmin Hospital of Wuhan University, Wuhan, Hubei, China
16:55-17:05 Advantages of Replacing Hydroxyethyl Starch With Hyperbranched Polyglycerol in UW Solution for Cold Kidney Perfusion
Shadan Li, Iren Constantinescu, Qunong Guan, Manu T. Kalathottukaren, Donald E. Brooks, Christopher Y. C. Nguan, Jayachandran N. Kizhakkedathu, Caigan Du
Department of Urologic Sciences, University of British Columbia, Vancouver, BC, Canada

17:05-17:15 Mesenterial ischemia-reperfusion leads to early systemic micro-rheological and multiorgan microcirculatory alterations in a rat model
A. Mester, Zs. Magyar, V. Sogor, A. Deak, N. Nemeth
Department of Operative Techniques and Surgical Research, Faculty of Medicine, University of Debrecen, Debrecen, Hungary

17:15-18:00 ISEM Business Meeting

19:00-23:00 Congress Networking Evening