

OS9: Biomedical Flow Dynamics

November 6, 2023

EX-3-B

- OS9-1 **Developing Nanofibrous Coatings For Cardiovascular Stent Wires (*Invited*)**
14:10-14:50 Constantinos Voniatis, Angela Jedlovszky-Hajdu (Semmelweis University, Hungary)
- OS9-2 **Numerical Simulation of Vascular Remodeling under Multiple Mechanical Stimuli**
14:50-15:10 Hanbing Zhang, Yujia Yang, Shiliang Chen, Aike Qiao (Beijing University of Technology, China), Hongfang Song (Capital Medical University, China), Wenyu Fu (Beijing Union University, China), Hitomi Anzai, Makoto Ohta (Tohoku University, Japan)
- OS9-3 **The Effect of Oscillatory Shear Index (OSI) on Endothelial Cell Behavior Observed in a Flow Chamber**
15:10-15:25 Hanif Saifurrahman, Zi Wang, Hitomi Anzai, Makoto Ohta (Tohoku University, Japan)
- OS9-4 **Low Surface Tension Biphasic Separation in Aspirin Continuous Manufacturing**
15:25-15:40 Wen-Ching Chen, Can-Hong Ni (National Chung Hsing University, Taiwan), Ya-Yu Chiang (National Chung Hsing University / National Taiwan University, Taiwan)
- OS9-5 **Heart Rate in Mammals**
15:50-16:10 Rui D. M. Travasso (University of Coimbra, Portugal), Clint A. Penick (Auburn University, USA), Robert R. Dunn (NC State University, USA), Eugenia Corvera Poiré (Universidad Nacional Autónoma de México, Mexico)
- OS9-6 **Multiscale Model Study on the Impact of Circle of Willis Structure Integration with Cerebral Artery Stenosis on Postoperative Cerebral Hyperperfusion in Superficial Temporal Artery-Middle Cerebral Artery Bypass Surgery**
16:10-16:30 Suqin Huang, Bao Li, Liyuan Zhang, Jincheng Liu, Youjun Liu (Beijing University of Technology, China)
- OS9-7 **Numerical Modelling of Ultrasonically Induced Cavitation in Biological Systems**
16:30-16:50 Paolo Guida, William L. Roberts (King Abdullah University of Science and Technology, Saudi Arabia)
- OS9-8 **Effect of Directional Deviation of the Endotracheal Tube Tip on Lung Volume Distribution**
16:50-17:05 Hisato Kobayashi, Gaku Tanaka (Chiba University, Japan)
- OS9-9 **Numerical Simulation of the Effects of Geometric Parameters on Airway Resistance in Tracheal Bronchus**
17:05-17:20 Motoki Koga, Tomohiro Fukui (Kyoto Institute of Technology, Japan)
- OS9-10 **Physics-driven 0D/3D Model Using Fluid-structure Interaction Method for Calculating Fractional Flow Reserve**
17:30-17:50 Bao Li, Guangfei Li, Liyuan Zhang, Hao Sun, Jincheng Liu, Aike Qiao, Youjun Liu (Beijing University of Technology, China)

- OS9-11 **Real-time Model-based Cerebral Perfusion Calculation for Ischemic Stroke**
17:50-18:10 Hao Sun, Bao Li, Liyuan Zhang, Guangfei Li, Jincheng Liu, Youjun Liu (Beijing University of Technology, China)
- OS9-12 **Hemodynamic Changes in the Left Ventricle by Bicuspid Aortic Valve Geometries**
18:10-18:25 Shingo Tsuda (Tohoku University, Japan), Suguru Miyauchi (University of Miyazaki, Japan), Kenichi Funamoto (Tohoku University, Japan)
- OS9-13 **Evaluation of Therapeutic Efficacy of Cancer Immunotherapy Using Lymphatic Network Compared with Hematogenous Administration**
18:25-18:40 Koki Takagi, Ariunbuyan Sukhbaatar, Shiro Mori, Tsuyoshi Sugiura, Tetsuya Kodama (Tohoku University, Japan)
- OS9-14 **Investigation of Therapeutic efficacy of Intranodaly Administered Hyperosmotic, High-viscosity Formulation of Carboplatin for the Treatment of Metastatic Lymph Node**
18:40-18:55 Miriu Miyatsu, Radhika Mishra, Arirunbuyan Sukhbaatar, Shiro Mori, Tetsuya Kodama (Tohoku University, Japan)