

## OS11: Microfluidics and Microphysiological Systems

November 8, 2019

EX-2

- OS11-1      **Microscale Tools for 3D Reconstitution of Tissues under Microenvironment**  
9:00-9:40      *(Invited)*  
Ji Hun Yang, Hyun Jeong Oh (Korea University, Korea), Seok Chung (Korea University / KU-KIST Graduate School of Converging Science and Technology, Korea)
- OS11-2      **Investigation of Oxygen-Dependent Vascular Endothelial Cell Migration Using Microfluidic Device**  
9:40-10:00      Yugo Tabata, Naoyuki Takahashi, Daisuke Yoshino, Kenichi Funamoto (Tohoku University, Japan)
- OS11-3      **A Method to Control Oxygen Tension in Microfluidic Device for Reproducing Vascular Microenvironment**  
10:00-10:20      Naoyuki Takahashi, Yugo Tabata, Daisuke Yoshino, Kenichi Funamoto (Tohoku University, Japan)
- OS11-4      **High Viscous Fluid Flow in *C. elegans* Pharynx**  
10:40-11:00      Yuki Suzuki, Kenji Kikuchi, Keiko Numayama-Tsuruta, Takuji Ishikawa (Tohoku University, Japan)
- OS11-5      **Performance of a Viscosity Micropump using Flagellar Motion**  
11:00-11:20      Miyu Inagaki, Donghyuk Kang, Hiroyuki Hirahara (Saitama University, Japan)
- OS11-6      **Simulation of a Biofilm-Formation in a Microfluidic Channel**  
11:20-11:40      Hiroki Kitamura, Toshihiro Omori, Takuji Ishikawa (Tohoku University, Japan)
- OS11-7      **A Numerical Study on the Behaviour of a Sublimating Leidenfrost Solid on Micro-ratchets**  
11:40-12:00      Clint John Cortes Otic, Shigeru Yonemura (Tohoku University, Japan)