

OS8: Advanced Physical Stimuli and Biological Responses

November 9, 2022

EX-3-A

- OS8-1 **Preparation of Sub-100-Micron Calcium-Alginate Microspheres Using Nitrogen Flow Focusing: Dependence of Spherical Shape on Gas Streams**
14:10-14:50 *(Invited)*
Ying-Lin Wang (National Cheng Kung University, Taiwan), Jin-Jia Hu (National Yang Ming Chiao Tung University, Taiwan)
- OS8-2 **Morphologic Characteristics and Mechanical Properties of Cancellous Bones**
14:50-15:05 Chen-Gang Xu, Wen-Yea Jang (National Yang Ming Chiao Tung University, Taiwan)
- OS8-3 **Classification of Ion Current Pulses by Machine Learning Methods Integrating Large Deviation Principles**
15:05-15:20 Naoki Maegawa, Hiroki Yamazaki (Osaka University, Japan), Kentaro Doi (Toyohashi University of Technology, Japan), Satoyuki Kawano (Osaka University, Japan)
- OS8-4 **Coupling Between the Rotational and Translational Dynamics of Water in Lysozyme Solutions**
15:20-15:35 Kang Hu, Ryo Shirakashi (The University of Tokyo, Japan)
- OS8-5 **Application of Electrohydrodynamics on Single Cell Property Interrogation**
15:50-16:30 *(Invited)*
Yu-Sheng Lin (National Tsing Hua University, Taiwan / ENS Paris Saclay, France), Guan-Yu Chen, Chih-Jie Li (National Tsing Hua University, Taiwan), Bruno Le Pioufle (ENS Paris Saclay, France), Hsiang-Yu Wang (National Tsing Hua University, Taiwan)
- OS8-6 **Activation of Neutrophils by Nanosecond Pulsed Electric Fields**
16:30-16:45 Koki Mochizuki, Tsubasa Koga, Keiko Morotomi-Yano, Ken-ichi Yano (Kumamoto University, Japan)
- OS8-7 **Effects of Short-lived and Long-lived Reactive Oxygen and Nitrogen Species Produced by Non-thermal Atmospheric Pressure Plasma on PCNA Structure**
16:45-17:00 Rui-Zhe Zhang, Sung Ann, Yun-Chien Cheng (National Yang Ming Chiao Tung University, Taiwan)
- OS8-8 **Effect of Plasma-generated Electrical and Chemical Stimulation on HT-1080 Cells**
17:00-17:15 Airi Nakayama, Tomoki Nakajima, Siwei Liu, Takehiko Sato (Tohoku University, Japan)

OS8-9 **Corona Discharge-induced Air Flow Control for Environmental and Biological Applications** *(Invited)*

17:30-18:10 Seiji Kanazawa, Taiga Mitsui, Takashi Furuki, Kosuke Tachibana, Ryuta Ichiki (Oita University, Japan), Takehiko Sato (Tohoku University, Japan), Marek Kocik (Polish Academy of Sciences, Poland), Jerzy Mizeraczyk (Gdynia Maritime University, Poland)

OS8-10 **Mechanical Characterization of Cellular Primary Cilia by Using Micro-tensile Testing** *(Invited)*

18:10-18:50 Tien Dung Do, Toshiro Ohashi (Hokkaido University, Japan)