Poster flash presentations - Monday, Nov 18, 2019

Session A1

Poster	Presenter	Institution, Country	Title of abstract	
A1	Simone Oldenburg	University of Bordeaux, FR	Trypanofluidics: Variability of enzymatic response in populations of Trypanosomes	**p.64**
A2	Nidhi Sinha	Eindhoven University of Technology, NL	Microfluidic-Large Scale Integration Chip to Decode Signaling Pathways in Immune Cells at Single-Cell Level	**p.66**
A3	Roberta D'Agata	Chemistry Department, Catania University, IT	Nanoparticle-Enhanced SPR imaging and PNA probes for ultrasensitive microRNA biosensing	**p.68**
A4	Simon Dumas	Institut Curie, FR	Nanoparticles handling in droplet microfluidics	**p.70**
A5	Clémentine Lipp	EPFL, CH	Vertical hydrodynamic traps for beads and cells selective trap and release	**p.72**
A6	Monika Dolega	Institute for Advanced Biosciences, FR	Novel approaches to study mechanical stress propagation within multicellular structures	**p.74**
A7	Sara Coppola	Inst. of Applied Sciences & Intelligent Systems CNR, IT	Digital microfluidic for liquid and polymer handling	**p.76**

Session A2

Poster	Presenter	Institution, Country	Title of abstract	
A8	Noemi Bellassai	Catania University, IT	Droplet Microfluidics for Isothermal Amplification and Effective Detection of microRNA	**p.78**
A9	Bastien Venzac	University of Twente, NL	PDMS curing is inhibited by 3D-printed molds. Why? And how to avoid it?	**p.80**
A10	Nadya Ostromohov	Technion Institute of Technology and IBM Research - Zurich, CH and IL	Real-Time Monitoring of Fluorescence in situ Hybridization (FISH) Kinetics	**p.82**
A11	Antonín Hlaváček	Institute of Analytical Chemistry of the Czech Academy of Sciences, CZ	Photon-Upconversion Barcode for Droplet Microfluidics	**p.84**
A12	Esra Yilmaz	Izmir Institute of Technology, TR	Magnetic levitation based microfluidic cell sorting platform	**p.86**
A13	Ya Wang	EPFL, CH	Magnetic Field Induced Nanopores in Biodegradable Composite Films for Implantable Drug Delivery	**p.88**
A14	David Inglis	Macquarie University, AU	The Resistance of an array of obstacles and a solution for DLD boundaries	**p.90**

Poster flash presentations - Tuesday, Nov 19, 2019

Session B1

Poster	Presenter	Institution, Country	Title of abstract	
B1	Andreas Pollet	Eindhoven University of Technology, NL	Fabricating the microvasculature using 3D sugar printing	**p.92**
B2	Jana Křivánková	Institute of Analytical Chemistry of the Czech Academy of Sciences, CZ	Droplet Microfluidic with Photon-Upconversion Sensing for Enzyme Assays	**p.94**
B3	Jooyoung Ahn	Korea University and Korea Research Institute of Chemical Technology, KR	Preparation and characterization of docetaxel loaded biocompatible nanoparticles	**p.96**
B4	Tanja Hamacher	MESA+ & TechMed Institutes, University of Twente, NL	Separation of viruses from spermatozoa using a microfluidic chip to achieve pinched-flow fractionation	**p.98**
B5	Adriana Gilarska	AGH University of Science and Technology, PL	Biopolymeric Hydrogels – Surface-Modified Silica Particles Hybrids as Bioactive Scaffold Materials	**p.100**
B6	Douwe de Bruijn	University of Twente, NL	Algal carbon fixation studied by electrical impedance spectroscopy on single cells	**p.102**
B7	Sara Coppola	Inst. of Applied Sciences & Intelligent Systems CNR, IT	Polymeric membranes wrap temporary water silhouettes creating three dimensional structures by quick liquid packaging	**p.104**
B8	Jan Krizek	EPFL, CH	Laser based liquid jet injection	**p.106**

Session B2

Poster	Presenter	Institution, Country	Title of abstract	
B9	Bastien Venzac	University of Twente, NL	Stress-free trapping of oocytes in an oviduct-on-chip	**p.108**
B10	Kai-Hong Tu	National Chung Hsing University, Taiwan, TW	In Vitro Blood-Brain Barrier Model With in-line Teer Measurement	**p.110**
B11	Elżbieta Gumieniczek-Chłopek	AGH University of Science and Technology, PL	Magnetically Navigated Polysaccharides-based Capsules as Smart Delivery Systems	**p.112**
B12	Sara Longo	University of Twente, NL	Encapsulin as multivalent nanoplatform for mimicking virus binding on cells	**p.114**
B13	Margaux Duchamp	EPFL, CH	Microfluidic device for olfactory receptor binding kinetics characterization based on serial cell-cell interaction	**p.116**
B14	Thomas Burgers	University of Twente, NL	Epididymis-on-a-chip: a unique bottom-up research platform to study tight barriers, sperm maturation and to screen endocrine disruptors	**p.118**
B15	Dariush Ashtiani	Monash University, AU	SAW nebuliser application for Cryo-EM grid preparation	**p.120**