

## Poster flash presentations

### Session A1 - Monday, October 29, 2018

Poster No.	Last Name (presenter)	First name	Institution	Country	Title of abstract	
A1	Beekman	Pepijn	Wageningen University and Research	NL	Immunocapturing of Extracellular Vesicles for Multi-Modal Individual Characterization	p.2
A2	Spano	Fabrizio	Empa	CH	Encapsulation of Bioluminescent Microorganisms in Soft Liquid Composites	p.4
A3	Esrafilzadeh	Dorna	RMIT University	AU	Nanostructured bioelectrodes: toward electrical stimulation of neural cells	p.6
A4	Duchamp	Margaux	EPFL	CH	Microfluidic device for dynamic T cell-APC interaction studies for immunotherapy applications	p.8
A5	Rowe	Dave	University of Southampton	UK	Microfluidic silicon photonics for aqueous mid-infrared sensing	p.10
A6	Blondé	Jean-Baptiste	University of Twente	NL	Studying Nanoparticle Penetration in 3D Multicellular Tumour Models On-Chip	p.12
A7	Zamboni	Riccardo	University of Padova, Physics and Astronomy Dept.	IT	Monolithic lithium niobate chip for Lab-On-a-Chip applications	p.14

### Session A2 - Monday, October 29, 2018

Poster No.	Last Name (presenter)	First name	Institution	Country	Title of abstract	
A8	Gielen	Fabrice	University of Exeter	UK	Label-free identification and isolation of micro-objects in microdroplets using machine learning approaches	p.16
A9	Borda	Eleonora	EPFL	CH	Soft Three-dimensional self-opening intraneural peripheral interface for optic nerve stimulation	p.18
A10	Kalsi	Sumit	University of Southampton	UK	Metal oxide sensors for long term pH monitoring	p.20
A11	Barmaki	Samineh	University of Helsinki	FI	Cellular targeting to dual gaseous microenvironments by Polydimethylsiloxane microchip	p.22
A12	Lüder	Lars	Empa	CH	Synthesis of conductive metal-organic architectures for biochemical sensing	p.24
A13	Cottet	Jonathan	Ampère lab (University of Lyon)-EPFL	FR-CH	A new planar electrode design for dielectrophoresis-assisted creation of cell aggregates under flow conditions	p.26

## Poster flash presentations

### Session B1 - Tuesday, October 30, 2018

Poster No.	Last Name (presenter)	First name	Institution	Country	Title of abstract	
B1	Jalili	Rouhollah	RMIT University	AU	Surface Contamination of Atomically Thin Two-Dimensional Materials and the Impact on Electrochemical Charge Storage Devices	p.2
B2	Harvey	Joe	UCL	UK	A microfluidic approach to test for critical quality attributes of lentiviral vectors for gene therapy vaccinations	p.4
B3	Shimazaki	Yuzuru	Hitachi, Ltd.	JAPAN	Dense array of floating water droplets as vessels for partitioned biomolecules	p.6
B4	Calero	Victor	University of Southampton	UK	Electrokinetic induced lateral displacement in Deterministic Lateral Displacement microfluidic devices.	p.8
B5	Raillon	Camille	CEA	FR	Microfluidic Impedance Cytometry for label-free enumeration and sizing of circulating tumor cells from blood samples	p.10
B6	Pollet	Andreas	Eindhoven University of Technology,	NL	3D printing of round microfluidic channels to mimic the microvasculature	p.12
B7	Fanelli	Adele	EPFL	CH	Bioresorbable Endovascular Neural Interface for Minimally Invasive Neural Stimulation and Recording	p.14

### Session B2 - Tuesday, October 30, 2018

Poster No.	Last Name (presenter)	First name	Institution	Country	Title of abstract	
B8	Hirth	Elisabeth	ETH Zürich,	CH	Culturing and imaging of an on-chip blood vessel model	p.16
B9	Puczkarski	Pawel	University of Oxford, Materials Department	UK	Tunneling Current in Graphene Tunnel Junctions in Liquid Environment – a Biosensing Perspective	p.18
B10	Paggi	Carlo Alberto	University of Twente	NL	A cartilage-on-a-chip platform recapitulating joint motion	p.20
B11	Mermoud	Yves	Empa	CH	Design of an Extended-Gate Field-Effect Transistor Biosensor for Lab-on-a-Chip Applications	p.22
B12	West	Jonathan	University of Southampton	UK	Evolving Drop-seq Microfluidics	p.24
B13	Valinhas	Ana	EPFL	CH	Electrochemical monitoring of extracellular vesicle secretion by hypoxic MCF-7 cells	p.26

