

Sunday, November 15 , 2026

18:00 - 20:00	<ul style="list-style-type: none"> - Opening of the conference desk. - Welcome aperitif - Distribution of badges and handbook - Panels for posters are ready
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Monday, November 16 , 2026

		Chair: Séverine Le Gac	
9:00 - 9:05	Opening and Welcome		
9:05 - 9:45	Opening Lecture: Katja Wolthers, University of Amsterdam, NL Building up complexity in organotypic models for virus research: from Transwell to OoC?		M1
9:45 - 10:05	Lennart Witting, Forschungszentrum Jülich, DE Non-invasive in vivo monitoring of the circadian rhythm in individual cyanobacteria cells		M2
10:05 - 10:25	Chelsea Violita Stanley, Nanyang Technological University, SG Single-molecule immunoassay to reveal cytokine dynamics in dermal interstitial fluid		M3
Coffee break			
		Chair: Nako Nakatsuka	
11:00 - 11:30	Invited speaker : Yujia Zhang, EPFL, CH Bioiontronics for biointerfaces and future medicine		M4
11:30 - 11:50	Alexander Mason, University of Wollongong, AU DIB-BOT: an open-source droplet robot for building biomimetic compartments, from single-molecule biophysics to stem-cell guidance		M5
11:50 - 12:10	Poster snapshots, session A		
Lunch break at the hotel (included in the registration)			
		Chair: Andrew deMello	
14:00 - 14:30	Invited speaker : Francesca Bragheri, IFN-CNR, IT Integrated glass photonics for cell manipulation and illumination in super-resolution microscopy		M6
14:30 - 14:50	Jonathan West, University of Southampton, UK Microfluidic strategies for investigating protein dynamics		M7
14:50 - 15:10	Naoki Uno, Nagasaki University, JP Droplet digital cell PCR technology for quantification of human leucocytes containing genes of interest		M8
Coffee break			
		Chair: Philippe Renaud	
15:50 - 16:30	Keynote speaker : Armand Ajdari, Arkema, FR Innovative materials for sustainability in Industry		M9
16:30 - 17:00	Poster snapshots, session B + company presentations		
17:00 - 18:30	Poster Session in the poster area / Exhibition Reception / drinks		
19:30 - 22:00	Conference Dinner at Hotel Mona (included in the registration)		

Tuesday, November 17, 2026

Chair : Albert van den Berg		
9:00 - 9:30	<u>Invited speaker</u> : Sally Peyman, Heriot-Watt University, UK <i>Decoding the fibrotic fortress of pancreatic cancer; towards next generation in vitro tumour modelling</i>	T1
9:30 - 9:50	Elliot Lopez-Vince, Eindhoven University of Technology, NL <i>A porous perfusable polysaccharide hydrogel to study tumor development in a vascularized environment</i>	T2
9:50 - 10:10	Utku Devamoglu, University of Twente, NL <i>Vascularized fibrosis-on-chip model integrating disease-relevant microenvironmental cues</i>	T3
Coffee break		
Chair: Nako Nakatsuka		
11:00 - 11:20	Andreas Dietzel, TU Braunschweig, DE <i>Microfluidic chip for 3D brain imaging of zebrafish larvae reveals drug-induced neural activity and recovery dynamics</i>	T4
11:20 - 11:40	Temple Douglas, International Iberian Nanotechnology Laboratory, PT <i>Microwave cytometry to measure resistant and susceptible cell phenotype upon drug exposure</i>	T5
11:40 - 12:00	Poster snapshots, Session C	
Lunch break at the hotel (included in the registration)		
Chair: Bastien Venzac		
14:00 - 14:30	<u>Invited speaker</u>: Anke Lindner, ESPCI, FR <i>Transport dynamics of complex particles: from fiber sorting to clogging</i>	T6
14:30 - 14:50	Jonas Tegenfeldt, Lund University, SE <i>Microfluidic flow control and sensing using viscoelastic fluctuations</i>	T7
Coffee break		
Chair: Jonathan West		
15:40 - 16:00	Martin Hernan, Technical University of Munich, DE <i>3D Sculpting in a circular outlet, through a multi-step nozzle tip, of multi-material in particle fabrication for amplified assay analysis</i>	T8
16:00 - 16:30	<u>Invited speaker</u>: Tom Kamperman, IamFluidics, NL <i>From Friday afternoon experiments to biopharma tech company</i>	T9
16:30 - 17:00	Poster snapshots, Session D + company presentations	
17:00 - 19:00	Posters session in the poster area / Exhibition Reception / drinks	

<i>Chair: Jonas Tegenfeldt</i>		
9:00 - 0:20	Muhammad Usman Akhtar, Technical University of Munich, DE <i>Quad-core amphiphilic particles (qcaps) for multiplexed detection of cardiovascular biomarkers</i>	<i>W1</i>
9:20 - 9:40	Rik van Haften, Eindhoven University of Technology, NL <i>Integrating Continuous Microdialysis and Continuous Protein Sensing: A Theoretical Framework for System Design</i>	<i>W2</i>
9:40 - 10:00	Alexandre Avaro, Ecole Polytechnique, FR <i>Multi-material 4D printing of pre-programmed 3D microstructures</i>	<i>W3</i>
Coffee break		
<i>Chair: Séverine Le Gac</i>		
10:40 - 11:00	Yide Jiao, EPFL, CH <i>Dielectrophoretic Finger printing of Extracellular Vesicles Using Free- Standing 3D Microelectrode Arrays</i>	<i>W4</i>
11:00 - 11:20	Lucile Alexandre, CNRS, INSERM et Université Paris Cité, FR <i>Microfluidics fusion of EVs and LNPs for engineering of biomimetic hybrid RNA nanovectors</i>	<i>W5</i>
11:20 - 12:00	<u>Closing Keynote Lecture:</u> Shoji Takeuchi, University of Tokyo, JP <i>Biohybrid Robotics: From Microfluidic Tissues to Living Machines</i>	<i>W6</i>
12:00 - 12:15	<i>Award ceremony for Poster Prizes and closing of the conference</i>	

Poster session A - Monday		
		<i>Title of abstract</i>
A1	Carla Gräser Eindhoven University of Technology, NL	<i>A cell mechanics chip towards understanding intravasation</i>
A2	Melisa Leoi Nanyang Technological University, SG	<i>An Engineered Hybrid-Enzyme Nanoplatfrom Reverses Warburg-like Metabolism in Obese Adipose Tissue</i>
A3	Katell Aldrin FEMTO-ST, FR	<i>Establishment of physioxenic culture conditions and monitoring of oxygen levels inside a liver-metastasis-on-chip model</i>
A4		
A5	Magdalena Flont Warsaw University of Technology, PL	<i>Application of Cell-on-a-chip microfluidic systems for the culture of human peripheral nervous system (PNS) cells to model myelination</i>
A6	Zhengwei Liao TU Delft, NL	<i>Biodegradable transistor electronics towards biosensing applications</i>
A7	Hadi Mirzajani EPFL, CH	<i>Regeneration by Design: Flow-Controlled Estradiol Sensing Guided by Binding–Transport Modeling</i>
A8	Zeynep Güner Technical University of Munich, DE	<i>Assessing The Effect of Microfabrication Methods On 3D Spheroid Formation and Growth</i>
A9	Jonathan Briones Maastricht University, NL	<i>Guiding the Bud: Can Microtopographical Confinement Direct Branching Morphogenesis in Human Ureteric Bud Organoids?</i>
A10	Sonja Beck Forschungszentrum Jülich, DE	<i>When 1+1=1: Developing a microfluidic platform to investigate synthetic photoendosymbiosis</i>

Posters without snapshot presentation :

A11	Sidonie Ronfard LAAS-CNRS Toulouse, FR	<i>Vénus Art-Science: from a palaeolithic ivory figurine to contemporary microscale fabrication</i>
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Poster session B - Monday		
		<i>Title of abstract</i>
B1	Céleste Baquet FEMTO-ST, FR	<i>Microfluidic impedance cytometer for immune cell counting and identification</i>
B2	Ali Al-jaberi University of Twente, NL	<i>Modeling the breast tumor microenvironment using mechanically tunable collagen hydrogels</i>
B3	Adrian Sieradzki ETH Zürich, CH	<i>Automatic design of microfluidic devices with differentiable physics and signed distance fields</i>
B4	Louna Blasco FEMTO-ST, FR	<i>Engineering a Multi-scale Vascularized Liver Metastasis-on-Chip</i>
B5	Mohammad Saghafi University of Twente, NL	<i>Al2O3 Photonic Integrated Circuits (PICs) for Multiplexed Sepsis Sensing</i>
B6	Syedmohammadali Hosseinian Technical University of Munich, DE	<i>Acoustofluidic 3D printing of fiber structures with programmable cross-sections</i>
B7	Stéphane Bizzotto Ecole Centrale de Lyon, FR	<i>An integrated microelectrode array for combined electroporation and EIS monitoring of individually addressable tumor spheroids</i>
B8	Nikki van Loenen University of Twente, NL	<i>Mitigation of urine inhibitors for CRISPR/Cas-based HPV DNA detection; a number one for point-of-care cervical cancer screening</i>
B9	Ünal Akar Sabanci University, TR	<i>Label-Free Enrichment of CTC-Sized Cells from Whole Blood Using Serpentine Inertial Microfluidics</i>

Posters without snapshot presentation :

B10	Salomé Thüler EPFL, CH	<i>Monitoring brain tumors by non-invasive, label-free Surface-Enhanced Raman Spectroscopy on biofluids</i>
B11	Jung Woo Park Dankook University, KR	<i>Nanopatterned titanium attenuates microglial inflammatory responses</i>
B12	Arunima Lala, National Institute of Technology Arunachal Pradesh, IN	<i>A MXene-APTES Nanointerface for Label-Free Electrochemical Detection of HPV18 E7 Oncoprotein</i>

Poster session C - Tuesday		
		<i>Title of abstract</i>
C1	Tsz Yan Ho, TranslaTUM, Technical University of Munich, DE	<i>Single-cell Lactate Secretion Analysis Using Amphiphilic Droplets</i>
C2	Manon Bardyn Haute Ecole Arc Ingénierie HES-SO, CH	<i>Encapsulation of oregano essential oil to reduce pesticide use in viticulture</i>
C3	Aude Boloipon FEMTO-ST Institute -CNRS, FR	<i>Control of the position of biological cells in fluidic environments using electric fields: a microrobotic approach</i>
C4	Jana Mancheva-Hecking University of Twente, NL	<i>Next-Generation Electrical Stimulation of Engineered Cardiac Chambers Using Printed Electronics</i>
C5	Pooja Verma Ben Gurion University of the Negev, IL	<i>Simultaneous Detection of Procalcitonin and C-Reactive Protein in Whole Blood using FET Biosensor for Early Sepsis Diagnosis</i>
C6	Joris Kaal B/MSC - University of Twente, NL	<i>Community-driven collaboration through open standards for MPS developers</i>
C7	Alejandro Chamorro-Garcia Monix Health AG/CSEM, CH	<i>Inkjet-printed gold electrodes raise peak current and improve inter-electrode reproducibility for electrochemical aptamer-based sensors</i>
C8	Fatih Ortakci Istanbul Technical University, TR	<i>In vitro fecal fermentation and gut microbiota modulation by a levant-type exopolysaccharide from the artisanal Tulum cheese isolate <i>Loigolactobacillus coryniformis</i> FOL-19</i>
C9	Manuel Sambrotta University of Twente, NL	<i>Custom Mold Design for the Generation of Multi-Regional Engineered Heart Tissues</i>
C10	Mansi Malik University of Delhi, IN	<i>Engineered Microfluidic Ionizable MC3 Lipid Nanoparticles for Targeted miR-34a-5p Delivery and Therapeutic Modulation of Bone Remodelling in Osteoporosis</i>

Posters without snapshot presentation

C11	Charly Mayran, EFS Occitanie (French Blood Establishment), FR	<i>A Novel Cellulose-Based Composite Substrate for Lateral Flow Diagnostic Assays</i>
C12	Ms Neelam Panjab University, Chandigarh, IN	<i>Self-assembled phenylalanine-derived metabolites as potential neurotoxic amyloids in phenylketonuria</i>

Poster session D - Tuesday		
		<i>Title of abstract</i>
D1	Sem Sterckel University of Twente, NL	<i>Extrusion-Printed Electrodes for Reproducible and Low-Cost Electrical Stimulation of Organ-on-Chip Systems</i>
D2	Sayedus Salehin (Temple Douglas) Bilkent University, TR	<i>High Q Dielectric Puck Resonator for Real-time Monitoring of Microbial Metabolism</i>
D3	Abdullah Alodhayb King Saud University, SA	<i>Cu/Cu₂O/C-MXene-functionalized quartz tuning fork nanobiosensors for ultrasensitive glucose detection</i>
D4	Zhengwei Liao TU Delft, NL	<i>Biodegradable, untethered cardiac actuator to promote myocardial recovery</i>
D5	Mohammad Heidarizadeh Aarhus University, DK	<i>Photothermal compartmentalization enables one-pot cascades of thermally incompatible enzymes</i>
D6	Yuyan Su EPFL, CH	<i>Microscale hydrogel droplet assembly for multimaterial and multifunctional biointerfaces</i>
D7		
D8	Jonathan West University of Southampton, UK	<i>Droplet microfluidics reports single-platelet ADP secretion for identifying patients at risk of thrombosis</i>
D9	Ana Carina Manjua Eindhoven University of Technology, NL	<i>Mechanistic effects behind breast cancer intravasation on-chip</i>
D10	Ferdinand Ativon Alveolix, CH	<i>A breathing alveolar barrier-on-chip model of interstitial lung disease for anti-fibrotic drug testing</i>
D11	Zane Duxbury, Syngenta, CH	<i>Syngenta R&D presentation</i>