

Poster snapshot presentations

Session A - Monday, November 13, 2023					
	Last name	First name	Institution	Country	Title of abstract
A1	Zamboni	Riccardo	University of Muenster	DE	<i>Virtual electrodes in photovoltaic crystals: new opportunities in droplet manipulation</i>
A2	Saqib	Muhammad	Bilkent University	TR	<i>An asymmetric cross-junction microfluidic device for highly reliable merging of droplet pairs with Janus configuration</i>
A3	Massoud	Yassine	ETHZ	CH	<i>Integration of aptamer-modified nanopipettes into a flow system to resolve temporal dynamics</i>
A4	Fournie	Victor	Fluigent	FR	<i>3D FlowPrint: a microfluidic-assisted photopolymerization method for high-resolution and multimaterial 3D printing</i>
A5	Baranwal	Amogh Kumar	EPFL	CH	<i>Developing a nanoliter-sized droplet chemostat for continuous cell-free protein synthesis</i>
A6	Dannhauser	David	University of Naples	IT	<i>Microgel based biosensing fibre for enhanced target signal readout</i>
A7	Maisto	Antonio	VrijeUniversiteit Brussel	BE	<i>Separation and Concentration of Highly Concentrated Suspensions using Acoustofluidics</i>
A8	Turato	Enrico	Lund University	SE	<i>Viscoelastic mixing in micropillar arrays</i>
A9	Bertelink	Sem	University of Twente	NL	<i>Studying and improving the cytocompatibility of SLA resins</i>
A10	Khoeini	Davood	Monash University	AU	<i>Microfluidic-based Self-assembly of Information-bearing Oligomers</i>
A11	Tan	Wei Shan (Helen)	Eindhoven University of Technology	NL	<i>Characterization of surface-conjugated biomolecules in single-molecule biosensors using DNA-PAINT</i>
A12	Ray	Ankita	Université catholique de Louvain	BE	<i>Single molecular mechanisms involved in SARS-CoV-2 infectivity</i>

Posters without snapshot presentation :

A13	Barwig	Chantal	IMSEAM, University of Heidelberg	DE	<i>PNIPAM-based microactuators for a dynamic microfluidic platform</i>
A14	Lipp	Clémentine	EPFL	CH	<i>Stimulation of the nasal cavity using flexible PCB electrodes</i>

Poster snapshot presentations

Session B - Monday, November 13, 2023

	Last name	First name	Institution	Country	Title of abstract
B1	De Schrijver	Lotte	EPFL	CH	<i>Scalable Enzymatic Lactate Sensor for Accurate and Continuous Monitoring in Interstitial Fluid</i>
B2	Nagareddy	Raveena	Chonnam National University	KR	<i>Hyaluronic Acid-Squalene based nanoclusters for colon cancer that promotes ferroptosis along with radiation</i>
B3	Venzac	Bastien	LAAS-CNRS	FR	<i>Print-pause-print strategy to integrate functionalities in 3D printed microfluidics</i>
B4	Khosla	Nathan	ETH Zurich	CH	<i>FRETting CRISPR/Cas12a reporters: improving assay performance via a dual-channel reporter</i>
B5	Na	Yu	University of Twente	NL	<i>Improving interfacial adhesion of hydrogel matrices to PDMS-based microfluidic platforms</i>
B6	Kestek	Ezgi	Yildiz Technical University	TR	<i>Experimental Investigation of Spray Cavitation for Precision Ablation in Human Bladder Tissue using an Advanced Cystoscopy Device</i>
B7	Holzreuter	Muriel	University of Twente	NL	<i>Measuring the transendothelial electrical resistance in a three-dimensional blood-brain barrier on-chip</i>
B8	Zakharova	Mariia	University of Twente	NL	<i>A novel silicon mesh membrane as a scaffold for organ-on-chip applications</i>
B9	Grasemann	Laura	EPFL	CH	<i>From wild type to omicron: High throughput analysis of SARS CoV-2 spike protein receptor binding domain variants</i>
B10	Alric	Baptiste	Institute of Industrial Science, University of Tokyo	JP	<i>Microfluidic pressure measurement technologies to characterize the endothelium barrier function of the engineered 3D microvessels</i>
B11	Astafeva	Polina	Université de Bourgogne, Dijon	FR	<i>Plasmonic gold nanoparticles for the early-stage cancer diagnosis</i>
B12	Mathur	Prerit	ETH Zurich	CH	<i>3D printed multiplexed microfluidics to quantify heterogenous drug response in patient biopsies</i>

Posters without snapshot presentation :

B13	Guerrero	Simon	Universidad de Atacama	CL	<i>Albumin Gold Nanocluster as a potential theragnostic system maintaining fluorescence and drug delivery over Au@SiO₂ core/shell</i>
B14	Romanczuk	Pawel	Warsaw University of Technology	PL	<i>Crossing new frontiers in understanding and treating cancer: Advances in multi-Organ-on-Chip (multi-OoC) approach</i>

Poster snapshot presentations

Session C - Tuesday, November 14, 2023

	Last name	First name	Institution	Country	Title of abstract
C1	Visser	Emiel	Eindhoven University of Technology	NL	<i>A point-of-care medical device for rapid antimicrobial efficacy testing in UTIs</i>
C2	Strutt	Robert	ETH Zurich	CH	<i>Towards Deep Tissue Infection Models: Bacterial Population Dynamics in Membrane Separated Droplet Networks</i>
C3	Spatola Rossi	Carla	Cranfield University	UK	<i>Development of a low-cost paper-based sensor for rapid detection of live pathogens in water</i>
C4	Rojek	Katarzyna	Institute of Physical Chemistry Polish Academy of Sciences	PL	<i>Magnetically-Assembled Arrays of Microvascular Networks on Chip</i>
C5	Bugakova	Daria	University of Twente	NL	<i>Microfluidic platform for observation of the plant protoplast's division plane formation</i>
C6	Hengge	Elisabeth	Graz University of Technology	AT	<i>Colorimetric assays on foil-based disposable microfluidic chips for monitoring the enzyme activity in industrial bioprocesses</i>
C7	Clément	Blandine	ETH Zurich	CH	<i>3D hydrogel-based cocultures of human sensory neurons and Schwann cells in microchannels</i>
C8	Giunchi	Perrine	IMFT Toulouse & Inst. de Recherche en Santé Digestive	FR	<i>An oxygen gradient microfluidic chip to study the behavior of bacteria involved in colorectal cancer</i>
C9	Del Giovane	Stefano	CSEM	CH	<i>CRISPR-based one-pot assay for the detection of monoclonal antibodies</i>
C10	Ceren Alatas	Yagmur	Bilkent University	TR	<i>Microwave Sensors Integrated with SU8 3D Electrodes for Position-Independent Particle Sensing in Microfluidics</i>
C11	Singhal	Chaitali	Thsti, Faridabad, Haryana	IND	<i>Detection of Neonatal Sepsis: Integrating Nanosensors with Nucleic Acid Ligands as Affinity Probes</i>
C12	Zuchowska *	Agnieszka	Warsaw University of Technology	PL	<i>3D liver model on chip for toxicology research</i>

*: presented by another person

Posters without snapshot presentation :

C13	Devamoglu	Utku	University of Twente	NL	<i>Re-creating the vasculopathy observed in fibrotic diseases and systemic scleritis</i>
C14	Dannhauser	David	University of Naples	IT	<i>Unknown cell class identification via scattering snapshot classification in microfluidics</i>
C15	Guittet	Estéban	CEA Paris-Saclay	FR	<i>Microsystem for optical detection of toxic gas</i>

Poster snapshot presentations

Session D - Tuesday, November 14, 2023					
	Last name	First name	Institution	Country	Title of abstract
D1	Mol	Lysanne	University of Twente	NL	<i>Developing a lung-on-chip model for studying the impact of micro- and nanoplastics on human lung tissue</i>
D2	Flont	Magdalena	Warsaw University of Technology	PL	<i>Lab-on-a-chip microfluidic system for the study of primary cells differentiation into cancer-associated fibroblasts (CAF)</i>
D3	Vlandas	Alexis	IEMN - CNRS	FR	<i>DNA Circuit based Amplification and Detection of MicroRNA through a time encoded Silicon Nanowire Field Effect Transistor readout</i>
D4	Spoelstra	Laurens	Universit of Twente	NL	<i>Development of a Synovium-on-Chip Model with a Porous Membrane to Study Inflammatory Arthritis</i>
D5	Pardon	Gaspard	EPFL	CH	<i>Investigation of multiple Organ-on-Chip platforms microfabricated by 3D stereolithography for application in translational research</i>
D6	Porro	Gloria	EPFL/UNIL	CH	<i>MarrowDLD: a microfluidic method for label-free retrieval of fragile bone marrow cells</i>
D7	Epkenhans	Robert	University Bielefeld	DE	<i>Measurement of non-linear electrophoresis with alternating voltages</i>
D8	Rivera Arbelaez	Jose Manuel	University of Twente	NL	<i>Effect of cycles of electrical stimulation on the contractile performance of engineered 3D cardiac tissues using hPSCs in a versatile platform</i>
D9	Dezauzier	Raphael	ETH Zurich	CH	<i>A Microfluidic Platform for the Formation of Spheroids for Personalized Cancer Treatment</i>
D10	Genevskiy	Vladislav	Malmö University	SE	<i>NIL based antimicrobial-surface properties and real-time monitoring of bacterial adhesion</i>
D11	Gopal	Neha	University of Delhi	IND	<i>Nanostructured graphene oxide based ultraefficient electrochemical genosensor for neonatal sepsis detection</i>
D12	Dzikonski	Dustin	University of Muenster	DE	<i>Development of Microfluidic Chips Based on Two-Photon Laser Writing for Mimicking Neutrophil Extravasation</i>
D13	Malloggi *	Florent	CEA Saclay	FR	<i>Microfluidic platform for monitoring Saccharomyces cerevisiae mutation accumulation</i>

*: presented by another person

Posters without snapshot presentation :

D14	Woo	Seonock	Korea Institute of Ocean Science and Technology	KR	<i>Stress assessment in non-symbiotic coral using microarray and high-throughput screening</i>
D15	Pashapour	Sadaf	Heidelberg University	DE	<i>Droplet-based microfluidics for the generation of extracellular matrix protein-based microcapsules</i>