



## Conference Agenda

### Conference Day 1: Tuesday, 24 June 2025

08:00 **Conference Registration, Materials Pick-Up, Hot Drinks, Fruit Juice, Mineral Water and Viennoiseries**

**Conference Venue: Le Foyer**

08:55 **Session Title: Conference Opening Session**

Session Venue: Salon Argencourt

09:00 **Conference Chairperson's Welcome  
Chairperson's Introduction and Welcome to All  
Participants**

Paul Coudray, CEO, Kloé, France



09:15 **The Evolving Microfluidics, Lab-on-a-Chip and MPS  
Fields**

Claudia Gärtner, CEO, Microfluidic ChipShop GmbH,  
Germany



09:45 **Microbial Cell-Free DNA Approach to Infectious Disease Diagnostics**

Maiwenn Kersaudy-Kerhoas, Professor of Microfluidics, School of Engineering,  
Heriot-Watt University, United Kingdom

10:15 **Label-Free Detection and Identification of Single Molecules Harvested from  
Liquid Biopsy Markers for Applications in Medicine and Biology**

Steve Soper, Foundation Distinguished Professor, Director, Center of BioModular  
Multi-Scale System for Precision Medicine, The University of Kansas, USA

**10:45 Networking Break in the Exhibit Hall: Hot Drinks, Fruit Juice and Mineral Water**

**11:30 Real-Time Microfluidic Devices for Healthcare – Applications in the NICU**

Martyn Boutelle, Professor of Biomedical Sensors Engineering, Imperial College London, United Kingdom

**12:00 Advancing Lung-on-Chip Platforms for Preclinical Ventilatory and Inhalation Assays**

Josué Sznitman, Dean, Faculty of Biomedical Engineering, Professor of Biomedical Engineering, Technion – Israel Institute of Technology, Israel

**12:30 Polymers to Control the Fabrication and Behaviour of Sensors and Surfaces**

Mark Bradley, Professor of Therapeutic Innovation, Precision Healthcare University Research Institute, Queen Mary University of London, United Kingdom

**13:00 Networking Lunch in the Exhibit Hall -- Meet Exhibitors and Engage with Colleagues**

**14:29 Sub-Session Title: Lab-on-a-Chip and Microfluidics 2025 – 3D-Printing and Device Fabrication in Microfluidics**

Session Venue: Salon Argencourt

**14:30 Innovations in High-Resolution 3D Printing for Microfluidics**

Gregory Nordin, Professor, Brigham Young University, United States of America

**15:00 3D Printing Microscopic Magnetic Field Inhomogeneities for Microstructural MRI**

Sebastian Weingärtner, Associate Professor, Department of Imaging Physics, TU Delft, The Netherlands

**15:30 Technology Spotlight Presentation  
Scaling Up Microfluidic Innovations from Lab to Fab**



Jing Chen, Founder & CEO, Hicomp Microtech, United States of America and China

**16:00 Afternoon Networking Break: Hot Drinks, Fruit Juice, Mineral Water and Cakes**

**16:29 Sub-Session Title: Technologies and Companies Driving Lab-on-a-Chip and Microfluidics Innovations**

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Session Venue: Salon Argencourt

**16:30 High-Efficiency DNA Extraction and Isolation for the Point-of-Care (POC) Microfluidic-based Diagnostic System**

Nan Zhang, Associate Professor, University College Dublin, Republic of Ireland

**17:00 LOC & OOC - From Early Prototyping to a Commercial Device ... Building the Bridge**

Oscar Zabaco, Consultant for Microfluidics, Spain

**17:30 Technology Spotlight Presentation  
Microfluidics and Microfabrication -  
Welcome to “KLOÉ world”**



Nicolas Brillouet, CTO, Kloé, France

**18:00 Development of a Long-term Circulating Tumor Cells Organoid Model  
Derived from Metastatic Triple Negative Breast Cancer**

Clotilde Costa Nogueira, Principal Investigator at Translational Medical Oncology group (Santiago Health Research Institute Foundation [IDIS] (Santiago de Compostela)), Spain

**18:30 Evening Networking and Social Event  
Sponsored by Kloé -- Conference Sponsor  
and Co-Organizer**



**Conference Day 2: Wednesday, 25 June 2025**

08:00 Morning Networking: Hot Drinks, Fruit Juice, Mineral Water and Viennoiseries

Venue: Exhibit Hall – Le Foyer

08:59 **Session Sub-Title: Technologies and Companies in Lab-on-a-Chip and Microfluidics 2025**

Session Venue: Salon Argencourt

09:00 **Technology Spotlight Presentation**  
**Non-Contact High Precision Liquid Handling in Pico-/ Nano-/ Low-Micro Liter Volume Without a System Liquid Interface or Cross-Contamination of the Liquids**



Ron Wolbert, Senior Representative, PP TechSales, Czech Republic

09:30 **Technology Spotlight Presentation**  
**Advancing Personalized Medicine: Innovations in Liquid Biopsy and Organ-on-Chip Technologies for Enhanced Drug Development**



Iris Prinz, Head of Sales and Business Development, STRATEC Consumables GmbH, Austria

10:00 **Technology Spotlight Presentation**  
**Title to be Confirmed**



Little Things Factory GmbH/PLANOPTIK AG

**10:30 Mid-Morning Networking Break in the Exhibit Hall: Hot Drinks, Fruit Juice and Mineral Water**

11:00 **Technology Spotlight Presentation**  
**Design and Manufacturing of Opto-Microfluidic Modules Based on Silica Aerogel: Towards Integrated Optofluidics**



Pascal Etienne, Professor, Charles Coulomb Laboratory, University of Montpellier, France

**11:29 Sub-Session Title and Focus: Organoids and Spheroids**

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Session Venue: Salon Argencourt

**11:30 Relevant 3D *In vitro* Models for Predictive Screening of Nanodrugs**

Simona Mura, Full Professor, Université Paris-Saclay, France

**12:00 3D Cell Models of the Central Nervous System: A Focus on High-Grade Glioma**

Giacomo Domenici, Scientist, Instituto de Biologia Experimental e Tecnológica (iBET), Portugal

**12:30 Title to be Confirmed**

Séverine Le Gac, Professor, Applied Microfluidics for Bioengineering Research, University of Twente, The Netherlands

**13:00 Networking Lunch in the Exhibit Hall -- Meet Exhibitors and Engage with Colleagues**

**13:59 Session Title and Focus: Developments in Microfluidics Driving Applications**

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Session Venue: Salon Argencourt

**14:00 Microfluidic Tools to Measure Mechanical and Transport Properties of Multicellular Aggregates**

Pierre Joseph, CNRS Research Director, LAAS-CNRS, University of Toulouse, France

**14:30 A New Biofunctionalized and Micropatterned PDMS is Able to Promote Stretching Induced Human Myotube Maturation**

Stephan Matecki, Professor, Vice Dean and President Scientific Council Faculty of Medicine, University of Montpellier, France

**15:00 Microfluidics & Microfabrication for the Development of Biotechnologies (At IPGG Platform)**

Bertrand Cinquin, CNRS Research Engineer, ENS Saclay, France

**15:30 Afternoon Networking Break in the Exhibit Hall: Hot Drinks, Fruit Juice, Mineral Water and Cakes**

**16:00 Funding Available for Developing/Repurposing Your Lab-on-a-Chip Technology in Preparation for the Next Pandemic**

Chaminda Salgado, Coalition of Epidemic Preparedness and Innovation, United Kingdom

**16:30 PREDICT: Machine Learning Powered Point-of-Care Platform for Prediction of Clinical Deterioration in Patients with Suspected Sepsis**

Lidija Malic, Team Leader, National Research Council Canada

**17:00 Sensor-Integrated Gut-on-a-Chip for Monitoring Senescence-Mediated Changes in the Intestinal Barrier**

Konstanze Brandauer, TU Wien, Austria

**17:30 Speeding-up Genetic Purification in the Production of Botrytis Cinerea Mutant Spores Using Deterministic Lateral Displacement**

Fabiola Elena Chacon Chale, Institut des Nanotechnologies de Lyon, France

**18:00 Close of Conference**