



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

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

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

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 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

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

16:00 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

16:30 Sensor-Integrated Gut-on-a-Chip for Monitoring Senescence-Mediated Changes in the Intestinal Barrier

Konstanze Brandauer, TU Wien, Austria

17:00 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