



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 Title to be Confirmed

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 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

15:00 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

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

16:00 Sensor-Integrated Gut-on-a-Chip for Monitoring Senescence-Mediated Changes in the Intestinal Barrier

Konstanze Brandauer, TU Wien, Austria

16:30 **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