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3rd International Conference on

# Microfluidics and Nanofluidics

October 14-15, 2019 | London, UK

**October 14, 2019** **Conference Agenda** **Day 1**

**Conference Hall: Wright**

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|---|---|
| 09:00-09:15 | **Registrations** |
| 09:15-09:30 | **Opening Ceremony** |
| 09:30-09:45 | **Introduction** |
| 09:45-10:30 | **Keynote Forum**<br>**Title: Microfluidics without walls**<br>**Vincent Marichez**, Co-founder & CEO of Qfluidics, France |
| 10:30-11:15 | **Title: Evaluation of Mixing Efficiency of Shear-thinning Fluid through a Micro-mixer with Rectangular Baffles**<br>**Shapour Jafargholinejad**, Islamic Azad University, Iran |

**Networking & Refreshment Break 11:15 - 11:30 @ Foyer**

**Oral Session I:**
**Microfluidics | Hydrodynamics | Thermo-Fluid Dynamics | Biosensors, Types and Biosensing Technologies**

Session Chair: **Vincent Marichez** , Co-founder & CEO of Qfluidics, France
Session Co-chair: **Shapour Jafargholinejad**, Islamic Azad University, Iran

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|---|---|
| 11:30-12:00 | **Title: Nanofluidic cell for time resolved X-ray studies at MAXIV using grazing incidence X-ray geometry**<br>**Andrius Jurgilaitis**, Lund University, Sweden |
| 12:00-12:30 | **Title: MEMS and Lab On Chip for Life Sciences**<br>**Maria Serena Chiriaco**, CNR NANOTEC Institute of Nanotechnology, Italy |
| 12:30-13:00 | **Title:Chip electrophoresis sensor implementing artificial intelligence for soil nutrient sensing**<br>**Georgios Kokkinis**, Pessl Instruments, Austria |

**Lunch Break 13:00-14:00 @ RBG**

**Poster Presentation**

**14:00-14:30**
**Title:Microfluidic-generated Concave Cavity-microfibers for Water Collection**
**Rui Shi**, University of Hong Kong, China

**14:30-15:00**
**Title:Investigating blood vessel lumen morphogenesis in 3D microfluidic co-cultures: the role of cilia and cytoskeletal regulators in flow sensing**
**Safoura Zahed Mohajerani**, University of Leeds, England

**15:00:15:30**
**Title:Using Microfluidic Devices to Improve Brain Imaging**
**Jasmine Sabio**, CUNY Advanced Science Research Center, USA

**Networking & Refreshment Break 15:30-15:45 @ Foyer**

## Oral Session II:
## Biofluid Mechanics | Droplet-Based Microfluidics | Nanofluidics and Fluidmechanics | Thermo-Fluid Dynamics

Session Chair: **Shapour Jafargholinejad**, Islamic Azad University, Iran
Session Co-chair: **Vincent Marichez**, Co-founder & CEO of Qfluidics, France

**15:45-16:15**
**Title: Current developments of open-channel microfluidics: dynamics of the capillary flow in bifurcations, networks and two-phase capillary flows**
**Jean Berthier**, University of Washington, United States

**16:15-16:45**
**Title:Microfluidic Preparation of Smart Emulsions and Functional Microparticles**
**Jianhong XU**, Tsinghua University, China

**16:45-17:15**
**Title:A simple microfluidics-assisted synthesis of polar zinc oxide microspheres**
**Najla Ghifari**, Laboratoire de Photonique Quantique et Moleculaire, France

**Conference Adjournment**

