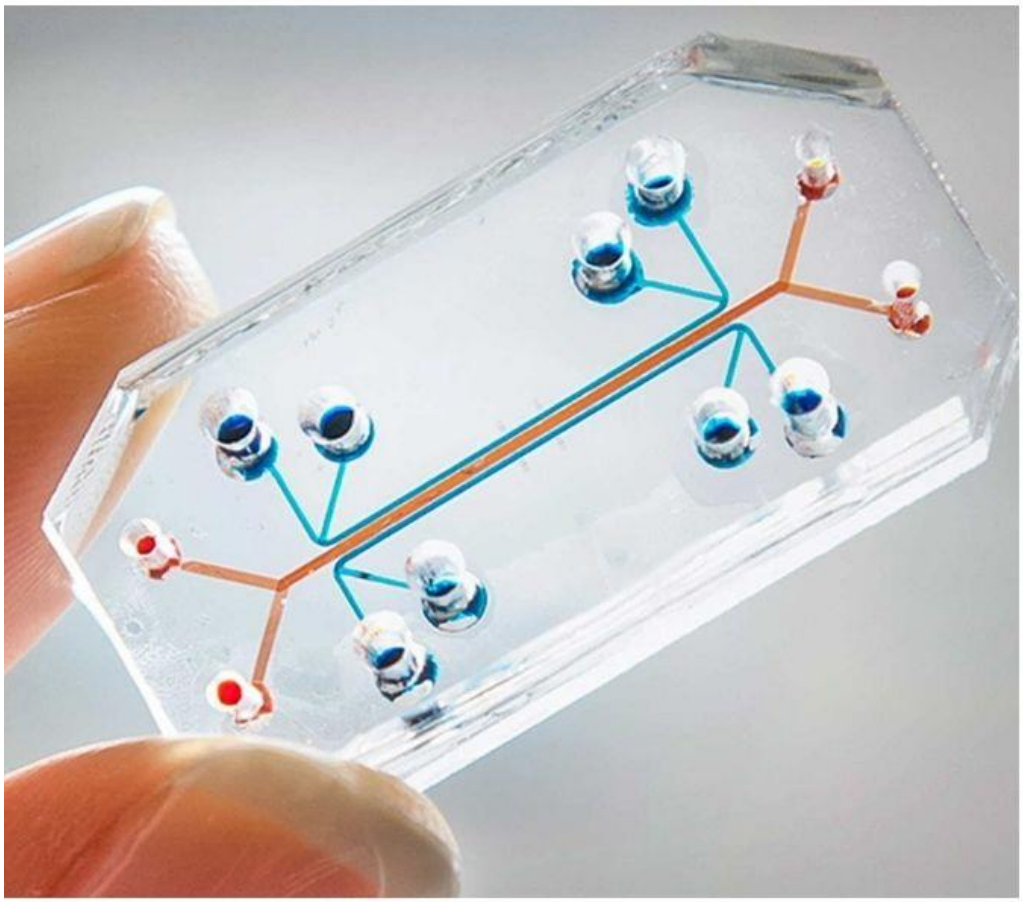
3rd International Conference on

MICROFLUIDICS AND NANOFLUIDICS

Meetings International
WITH US



OCTOBER 14 & 15, 2019 @ LONDON, UK

THEME: AN APPROACH TO BETTER UNDERSTAND THE MICRO MECHANICS OF FLUIDS

3RD INTERNATIONAL CONFERENCE ON MICROFLUIDICS AND NANOFLUIDICS

Euro Microfluidics 2019

ACTIVITIES

Keynote & Plenary talks

Oral Presentations

Poster Presentations

Workshop

Exhibitors

Video Presentations

And e-posters



SCIENTIFIC SESSIONS

- Microfluidics
- Nanofluidics and Fluidmechanics
- Biofluid Mechanics
- Hydrodynamics
- Droplet-Based Microfluidics
- Paper-Based Microfluidics
- DNA Chips (Micro Arrays)
- Microfluidics Cell Culture
- Acoustic Droplet Ejection
- Electro-Osmotic Pump
- Aerodynamics Simulation and Flow Control
- Thermo-Fluid Dynamics

3rd International Conference on Microfluidics and Naofluidics	
Day 1, October 14, 2019	
	Registration
	Introduction
Keynote Forum	
	Tittle: Current developments of open-channel microfluidics: dynamics of the capillary flow in bifurcations, networks and two-phase capillary flows
	Berthier J, Department of Chemistry, University of Washington, Seattle, United States
	Title: A simple microfluidics-Assisted synthesis of polar zinc oxide microspheres
	Laboratoire Laboratory of Quantum and Molecular Photonics, ENS Paris Saclay President Wilson, 94235 Cachan, France,
	Title: Chip electrophoresis sensor implementing artificial intelligence for soil nutrient sensing
	Kokkinis G, Pessl Instruments, Weiz, Austria
Refreshment & Networking Break	
Oral Session	
Session I Introduction	
Sessions: Microfluidics | Hydrodynamics | Thermo-Fluid Dynamics | Aerodynamics Simulation and Flow Control |	
	Title: Microfluidic Preparation of Smart Emulsions and Functional Microparticles
	Jianhong Xu, The State Key Lab of Chemical Engineering, Tsinghua University, Beijing , China
	Title: Evaluation of Mixing Efficiency of Shear-thinning Fluid Through a Micromixer with Rectangular Baffles.
	Jafargholinejad S, Department of Mechanical Engineering, University of Tabriz, Tabriz, Iran
	Title: Application of micro- and nano-fluidics in petroleum industry
	Prem Bikkina, Oklahoma State University, USA
	Title: Lateral flow microfluidic device for concentration of cells sub-populations
	Pizzi Marco, Eltek Group, Italy
Speaker Slots Avilable	
Lunch	
Session II Introduction	
Sessions: Biofluid Mechanics | Droplet-Based Microfluidics | Microfluidics | Nanofluidics and Fluidmechanics | Thermo-Fluid Dynamics	
	Title: Visual or electrical sensing feedback assisted active control of droplets in mi- crochannels towards automated, modular lab-on-a-chip platform
	Carolyn Ren, University Of WaterLoo, Canada
	Title:Study on the effect of EDL and van der waals forces in the inlet manifold on flow distribution in parallel micro channels
	Mohammad Ali Zoljalali, University of Mazandaran, Iran
	Title:The status of the microfluidic industry anno 2019
	Henne van Heeren, EnablingMNT, Netherlands
	Title:Surface evolver modeling of capillary micro-channels
	Dr Steven H Collicott, Purdue University, USA
	Title: Functional and structural cytometry of ultrasound-assisted 3D cell cultures
	Martin Wiklund, Karolinska Institute, Sweden
Tea Break	
	Title:Microfluidics-directed self-assembly of DNA-based nanoparticles
	Guillaume Tresset, University Paris-Saclay, France
	Title:Micro-Nano hydraulics in hetero-structures developed for nuclear applications
	Liviu Popa Simil, Los Alamos Academy of Sciences, USA
	Title:Screening cancer therapeutic agents in ex vivo controlled microenvironment for solid patient tumors
	Amir R. Aref, Harvard Medical School,USA
	Title:Sample delivery approaches for synchrotron & XFEL light sources-a bottom up approach
	Peter Docker, Diamond Light Source, UK
Speaker Slots Avilable	
Poster Presentation	
	Title:Microfluidic-generated Concave Cavity-microfibers for Water Collection
	Rui Shi, Department of Mechanical Engineering, the University of Hong Kong, Hong Kong, China
	Title:High-throughput anticancer drug evaluation using microfluidics and 3D printing
	Shaohua Ma, Tsinghua-Berkeley Shenzhen Institute, China
Panel Discussion	
Award Ceremony	
This program is tentative and it may be subjected to modifications	

Day 2, October 15, 2019	
Keynote Forum	
	Tittle: Fluidic-micro-nano-hetro-structures for nuclear power application
	Popa Simil Liviu, Los Alamos Academy of Sciences, USA
	Title: Recent investigations on microfluidics and nanofluidics using electrokinetics
	Ruey Jen Yang, National Cheng Kung University, Taiwan
	Title: The state-of-the-art-of-surface modification techniques for geo-material microfluidics
	Prem Bikkina, Oklahoma State University, USA
Refreshment & Networking Break	
Oral Session	
Session I Introduction	
Sessions:	Bio-MEMS/NEMS and Chips | Biosensors, Types and Biosensing Technologies | Microfluidics | Nanofluidics and Fluidmechanics
	Title:3D in vitro tissue models integrating microfluidics for drug discovery
	Ting Yuan Tu, National Cheng Kung University, Taiwan
	Title: A centrifugal based nucleic acid test with the immiscible filtration technique
	Chih Hsin Shih, Feng Chia University, Taiwan
	Title: CDRH-on-a-chip: Advancing medical device innovation with microfluidics
	Rucha Natu, U.S. Food and Drug Administration (FDA), USA
	Title:Generation of in vitro 3D hepatic tumor model for discovery of novel therapeutics
	Ting Yuan Tu, National Cheng Kung University, Taiwan
Speaker Slots Avilable	
Lunch	
Session II Introduction	
Sessions:	Bio-MEMS/NEMS and Chips | DNA Chips (Micro Arrays) | Microfluidics Cell Culture | Microfluidics in Nano-Medicine
	Title: Inertial micromixing in curved serpentine micromixers with different curvature angles
	Rana Altay, Sabanci University, Turkey
	Title:Manipulation of biomimetic soft interfaces by optical and microfluidic methods
	Guido Bolognesi, Loughborough University, UK
	Title: Microfluidics for particle generation: From a nanoparticle to a millimetre, from a milligram to a ton
	Richard Gray, Dolomite Microfluidics, UK
	Title:Passive microfluidic production of multiple emulsions
	Adam Opalski, Institute of Physical Chemistry of Polish Academy of Sciences, Poland
	Title:Plasma effects on microbubble formation in gas-liquid interface across a microfluidic plasma reactor
	Oladayo Ogunyinka, Loughborough University, UK
Tea Break	
	Title:Streamlined drug synergy evaluations via bioinspired nanodroplet processing platform for optimal cancer treatment
	Ching Te Kuo, National Taiwan University, Taiwan
	Title:The development of a picolitre sample delivery system for XFEL time resolved studies
	Peter Docker, Diamond Light Source, UK
	Title:The development of a pico litre sample delivery system
	Gabriel Leen, PolyPico, Ireland
	Title:A low-cost manufacturing method for microfluidic device based on soft-lithography technique
	Ran Zhou, Purdue University Northwest., USA
Speaker Slots Avilable	
Poster Presentation	
	Title:Automated venting technique used in microfluidic digital logic lab-on-a-chip device
	Manasi Raje, Shield Diagnostics, USA
	Title:Developing a numerical model for study of a capsule in a microfluidic intracellular delivery platform
	Nishanthi N S, Indian Institute of Technology Madras, India
Panel Discussion	
Award Ceremony	
This program is tentative and it may be subjected to modifications	

Tourist Attractions



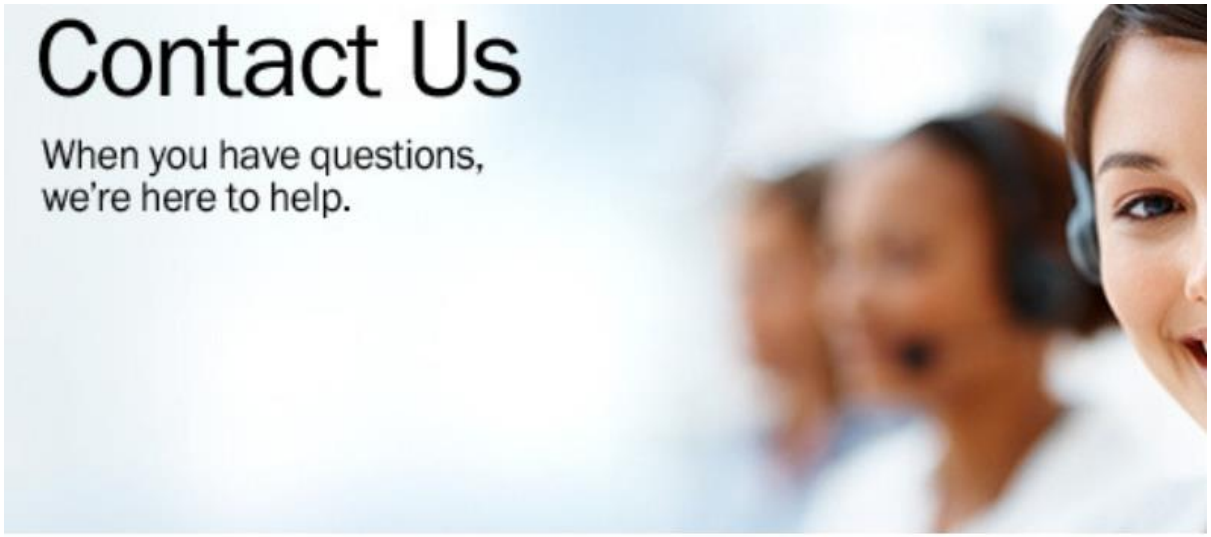




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