4th International Microfluidics Congress

MIAMI | USA

MARCH 25-26 | 2020



MEETINGS INTERNATIONAL

Company Registration No: 201524282R

28 Maxwell Road, #03-05 Red Dot Traffic

Singapore (069120)

Phone /WhatsApp: +65 3158 1626

INVITATION

Meetings Int is an organization that organizes a wide variety of academic events to be presented within the conference. During the conference activities may take place over a period of time depending on the number of presentations and their duration.

IMC 2020: 4th International Microfluidics Congress is the leading interdisciplinary forum in the fields of microfluidics and Bio-MEMS presenting further development and research findings. The conference will bring together leading academics, researchers and academics from all over the world in the field of interest. Topics of interest for submission include, but are not limited to:

- Lab-on-a-chip technology
- Biosensors, microfluidics and
- lab-on-a-chip technologies
- Lab-on-a-chip devices and
- micro-total analysis systems
- Lab-on-a-chip devices for clinical
- diagnostics
- Optical devices and methods for
- distributed lab-on-a-chip
- Chip materials and fabrication
- technologies
- Chip material design and
- optimization
- Advantages and disadvantages of
- lab-on-a-chip technology
- Advances and challenges in
- lab-on-a-chip technology
- Health implications of
- lab-on-a-chip technology
- Challenges in product development
- Commercialization issues
- Materials and microfabrication
- methods



http://www.meetingsint.com/conferences/microfluidics
microfluidics@annualmeetings.net

PROGRAM DETAILS

Speaker 1	**Title:** Inkjet microfluidic technology for printing and life science applications
	Alexander Govyadinov, HP Inc. Advanced Technology and Platform Solutions Organization, USA
Speaker 2	**Title:** Artificial intelligent point-of-care tools for rapid diagnostics of trauma
	Deniz Vurmaz, NYU Tandon School of Engineering, USA
Speaker 3	**Title:** A microfluidic-based sensor with a built-in probe for conformal mechanical measurements of different anatomical sites at the exterior surface of human Pectus Carinatum (PC) costal cartilage
	Jiayue Shen, SUNY Polytechnic Institute, USA
Speaker 4	**Title:** Fluidic-micro-nano-hetro-structures for nuclear power application
	Popa-Simil Liviu, Los Alamos academy of Sciences, USA
Speaker 5	**Title:** Automated venting technique used in microfluidic digital logic lab-on-a-chip device math-physical medicine
	Manasi M. Raje, Shield Diagnostic, USA
Speaker 6	**Title:** The state-of-the-art of surface modification techniques for geo-material microfluidics
	Prem Bikkina, Oklahoma State University, USA
Speaker 7	**Title:** CDRH-on-a-chip: advancing medical device innovation with microfluidics
	Rucha Natu, FDA, USA
Speaker 8	**Title:** Microfluidics for Particle Generation: From a nanoparticle to a millimetre; from a milligram to a ton
	Richard Gray, Dolomite Microfluidics, UK
Speaker 9	**Title:** The development of a Pico Litre Sample Delivery System for XFEL Time Resolved Studies
	Peter Docker, Diamond Light Source, United Kingdom
Speaker 10	**Title:** Plasma effects on microbubble formation in gas-liquid interface across a microfluidic plasma reactor
	O. Ogunyinka, Loughborough University, UK
Speaker 11	**Title:** The development of a Pico Litre Sample Delivery System
	Gabriel Leen, Polypico, Ireland
Speaker 12	**Title:** Manipulation of biomimetic soft interfaces by optical and microfluidic methods
	Guido Bolognesi, Loughborough University, United Kingdom
Speaker 13	**Title:** T sample delivery approaches for synchrotron & xfel light sources-a bottom up approach
	Peter Docker, Diamond Light Source, United Kingdom
Speaker 14	**Title:** Micro-flow analysis with monolithic columns
	Petr Solich, Charles University, Czech Republic
Speaker 15	**Title:** Microfluidics for cancer research

	Valerie Taly, CNRS, France
Speaker 16	**Title:** Methods for the Refinement of Protein Structure 3D Models
	Recep Adiyaman, University of Reading, UK
Speaker 17	**Title:** Review of microfluidics device for drug delivery and formulation screening
	DELAMARE Romain, Medincell SA, France
Speaker 18	**Title:** Modelling an Artificial Synaptic Communications with Microfluidics
	Harwey Tawfik, Saarland University, Germany
Speaker 19	**Title:** Recent investigations on microfluidics and nanofluidics using electrokinetics
	Ruey-Jen Yang, National Cheng Kung University, Taiwan
Speaker 20	**Title:** Streamlined drug synergy evaluations via bioinspired nanodroplet processing platform for optimal cancer treatment
	Ching-Te Kuo, National Taiwan University, Taiwan
Speaker 21	**Title:** A centrifugal-based nucleic acid test with the immiscible filtration technique
	Chih-Hsin Shih, Feng Chia University, Taiwan
Speaker 22	**Title:** Generation of in vitro 3D hepatic tumor model for discovery of novel therapeutics
	Ting-Yuan Tu, National Cheng Kung University, Taiwan
Speaker 23	**Title:** 3D in vitro tissue models integrating microfluidics for drug discovery
	Ting-Yuan Tu, National Cheng Kung University, Taiwan
Speaker 24	**Title:** Passive microfluidic production of multiple emulsions
	Adam S. Opalski, Institute of Physical Chemistry of Polish Academy of Sciences, Poland
Speaker 25	**Title:** Inertial Micromixing in Curved Serpentine Micromixers with Different Curvature Angles
	Rana Altay, Sabancı University,Turkey
Speaker 26	**Title:** Biosynthesis of zinc oxide nanoparticles using Albizia lebbeck stem bark and evaluation of its antimicrobial, antioxidant and antiproliferative activities on human breast cancer cell lines
	Huzaifa Umar, Cyprus International University, Nigeria
Speaker 27	**Title:** Design of DLD mechanism based microfluidic channel for separating the circulating tumor cells
	Srigitha S Nath, Saveetha Engineering College, India
Speaker 28	**Title:** Computation analysis on different meander shaped microfluidic channel for separating various biomolecules
	Praveen Kumar S, Saveetha Engineering College, India
Speaker 29	**Title:** Retinal vascular network based Biomimetic Microchannel for LOC applications
	Sudha R Karbari, RV College of Engineering, Bangalore, India