Microfluidics-2021

Theme : Applications of Microfluidics, Bio-MEMS and Medical Microsystems

Germany - 05:45 | India-10:15 | Mexico - 22:45 (December 12, 2021) | Japan - 13:45 | Norway - 05:45| | China - 12:45 | England - 04:45 | Algeria – 05:45 | Iran – 08:15

Sessions : Applications of Microfluidics & Lab-on-a-chip | Point-of-care & Biosensors | Microfluidics Simulation| Point-of-care Diagnostics & Global Health | Tissues-on-a-chips and 3D Cell Culture Systems

Keynote Presentation

05:45-06:15	Title: Micro device based on centrifugal effect and bifurcation law for separation of plasma from on-line diluted whole blood
	Kenia Chávez Ramos, National Autonomous University of Mexico, Mexico
06:15-06:45	Title: A complete microfluidic based lab-on-a-chip system for AT-home in field on-site real-time purification of total DNA/RNA and direct isothermal multiplex amplification and detection
	Frank Karlsen, University of South-Eastern Norway (USN), Norway
06:45-07:15	Title: E-BABE- Super lattice Assembly of Alternately Stacked Hydroxide Nano sheets and Graphene Layers for Electrochemical Sensing of Biomolecules
	Muhammad Asif, Wuhan Institute of Technology, China
07:15-07:45	Title: Self-assembled si RNA Encapsulated PLGA Nanoparticles Preparation by a Microfluidic Device
	Yi Bao, Hokkaido University, Japan
07:45-08:15	Title: Establishing a microfluidic in vitro model of remote ischaemic damage in connected neuronal cultures
	Jennifer Knight, University of Oxford, England
08:15-08:45	Title: A versatile CNC based platform for generating three dimensional micro vascular networks for application in Bio-MEMS and tissue engineering
	Amar Dhwaj, Indian Institute of Information Technology, India
08:45-09:15	Title: A cost-effective microfluidic cell-on-chip platform for Hepg2 cell using porous polymer membranes
	Nimisha Roy, Indian Institute of Information Technology, India
09:15-09:45	Title: Zinc oxide properties under different conditions of pressure and temperatures a molecular dynamics simulation
	Y. Chergui, M'hamed Bougara Boumerdes University, Algeria
09:45-10:15	Title: Solubility behavior of lamotrigine in 2-propanol + water mixtures at T = (293.2 to 313.2)K
	Homa Rezaei, Tabriz University of medical sciences, Iran

The End