Lan-on-a-Chip

Chair: Dr. Roberto Gallo

Location: Library, room Bi-215

Time	Presenter	Title	Code
09h30	Braulio Cárdenas Benítez	Lowering the Required Trapping Voltage in Insulator-based Dielectrophoretic Systems by Post-array Optimization	LOAC-11
09h45	Sergio Ayala-Mar	Design and Application of an Insulator-based Dielectrophoresis Microfluidic Device for the Isolation and Purification of Exosomes	LOAC-01
10h00	Fabian Romero Soto	Wireless Electrolysis Pump for Flow Volume Control for Automation of Bioanalytical Assays	LOAC-04
10h15	Natalia Nevarez Tinoco	Passive and Active Reversible Valves on CD Microfluidics	LOAC-07
10h30	José. I. Martínez-López	Manufacturing of Asymmetric Split and Recombine Micromixers with a Variable Cross-Section	LOAC-02
10h45	Salomon Marquez	Micro and Nanofabrication Strategies for Biosensing Platforms based on Silicon Technology –Integration of Microfluidic Systems with Rapid Prototyping Techniques–	LOAC-12
11h00	BREAK		
11h25	Ana Cristina Corona	Point-of-Need CD Microfluidic Fabrication with a Cutter Potter	LOAC-09
11h40	Beatriz Bosques Palomo	Origami Centrifugal Microfluidic Disc	LOAC-05
11h55	Flor Valencia Velarde	3D Mixing Structures on Origami Centrifugal Microfluidic Discs	LOAC-06
12h10	Alejandro Lujambio Ángeles	Glassy Carbon Thin Films with Guided Micro-Wrinkled Surface Induced by Photo-Crosslinking Gradient in Precursor Photoresist	LOAC-08
12h25	Ricardo Garcia-Ramirez	Experimental Analysis of the Jetting to Dripping Transition in a Flow Focusing PDMS Device for Water in Oil Emulsion (Insulin Lispro® in Miglyol® 829)	LOAC-03
12h40	Binny Jind	Computational and Experimental Analysis of the Influence of Channel Design Over Joule Heating Effects in Insulator-Based Dielectrophoretic Devices	LOAC-10
12h50	Laura Oropeza-Ramos	Micro-droplets Detection and Sorting Based Device for Biochemistry Assays	LOAC-13
13h00	BREAK		