



LUND UNIVERSITY

Minisymposium: Microfluidics in life sciences

1 PM - 5 PM, Thursday, April 11, 2019

Venue: BMC I1345, Sölvegatan 19, Lund

13:05-13:10	Thomas Laurell (Chair) <i>Introduction</i>
13:10-13:50	Mehmet Toner , Helen Andrus Benedict Professor of Surgery, Harvard Medical School <i>Clinical Microfluidics: Complex Bodily Fluids and Large-Volumes</i>
13:50-14:15	Aman Russom , The Clinical Microfluidics Lab, Royal Institute of Technology, Stockholm <i>Elasto-Inertial Microfluidics for cell and particle separation</i>
14:15-14:40	Per Augustsson , Dept Biomedical Engineering, Lund University <i>Microscale Acoustofluidics in Life Sciences</i>
14:40-15:05	Henrik Bruus , Theoretical Microfluidics Group, Technical University of Denmark <i>3D-modelling of acoustofluidic microsystems</i>
15:05-15:20	Coffee
15:20-15:45	Jonas Tegenfeldt , Solid State Physics, Lund University <i>Multiparameter sorting using deterministic lateral displacement</i>
15:45-16:10	Pedro Rifes , DanStem, University of Copenhagen <i>MISTR: using microfluidics and human embryonic stem cells to study fetal brain development in vitro</i>
16:10-16:35	Jenny Emneus , Dept Micro- and Nanotechnology, Technical University of Denmark <i>2D and 3D Lab-on-a-chip systems for real time cell culture and monitoring</i>
16:35-17:00	Edith Hammer , Dept. Biology, Lund University <i>Build your own soil: Micro-engineered Soil Chips bring spatial structure into investigations of microbial processes</i>
17:00-17:05	Thomas Laurell <i>Closing remarks</i>
