



4th FluidFM User Meeting

Zurich, June 2, 2015

10:00 – 18:00 h

Topics:

- Single-cell manipulation
- Spotting and lithography
- Instrument development

Location

ETH main building
Room HG D 1.2
Rämistrasse 101
8092 Zurich
Switzerland

Organizers

P. Dörig
P. Frederix
M. Portalupi
T. Zambelli
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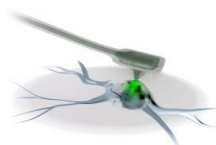
Confirmed speakers

J. Cors, IBM Zurich
L. Dorwling-Carter, ETH Zurich
J. Geerlings, University of Twente
O. Guillaume-Gentil, ETH Zurich
L. Hirt, ETH Zurich
V. Martinez, ETH Zurich
G. Papastavrou, University of Bayreuth
E. Potthoff, ETH Zurich
J. Quist, University of Twente
U. Staufer, TU Delft

4th FluidFM User Meeting

Tuesday June 2nd 2015, 10:00 - 18:00, Zürich (CH)

Program	
9:30 - 10:00	<i>Registration and welcome coffee</i>
10:00 - 10:15	Introduction Dr. Urs Matter - Nanosurf
Session 1	
10:15 - 10:45	Direct force measurements and nanomanipulation in the colloidal domain by AFM and FluidFM Prof. Georg Papastavrou - University of Bayreuth
10:45 - 11:15	Insights into bacterial adhesion force quantification by fluidic force microscopy Dr. Eva Potthoff - ETH Zürich
11:15 - 11:45	Measuring pathogen deformability with FluidFM Dr. Jos Quist - University of Twente
11:45 - 12:15	Development of hollow cantilevers and their applications Prof. Urs Staufer - TU Delft
12:15 - 14:00	<i>Lunch</i>
Session 2	
14:00 - 14:30	Tailored perturbations of single mammalian cells Dr. Orane Guillaume-Gentil - ETH Zürich
14:30 - 15:00	SPM based nanoscale contactless deposition employing an electric field controlled nanofluidic probe Joël Geerlings - University of Twente
15:00 - 15:30	Microfluidic probe to perform chemistry with sub-nanoliter volumes: from surface patterning to pathology Julien Cors - IBM Zurich Research Laboratory
15:30 - 16:00	<i>Coffee break</i>
Session 3	
16:00 - 16:30	The FluidFM for force-controlled patch-clamp and scanning ion conductance microscopy Livie Dorwling-Carter - ETH Zürich
16:30 - 17:00	FluidFM for electrochemical lithography: localization and in-situ control Luca Hirt - ETH Zürich
17:00 - 17:30	Polymeric AFM Hollow Cantilevers for Single-Cell Dispensing Vincent Martinez - ETH Zürich
17:30 - 18:00	Questions, discussion and closing remarks Dr. Björn Pietzak - Nanosurf
18:00 - 20:00	<i>Apéro</i>



Participation and practical information

Please note that the number of participants is limited: to join please send an email to info@nanosurf.com, you will receive a confirmation email with directions instructions.