

Flex-FPM and FluidFM®

User Meeting

Würzburg, July 4, 2016

Topics

- Single-cell manipulation
- Spotting and nanolithography
- Instrument and protocol development



CYTOSURGE®

Location

FMZ Universitätsklinikum Würzburg
Raum 2.320, kleiner Hörsaal (HS2)
Pleicherwall 2
97070 Würzburg

Information

info@nanosurf.com



Funktionswerkstoffe der
Medizin und Zahnheilkunde

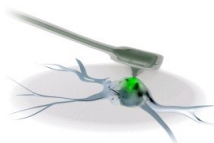
Organizers

A. Sancho
J. Groll
P. Lang
H. Peisker
P. Frederix
P. Dörig

5th Flex-FPM & FluidFM[®] User Meeting

Monday July 4th 2016, 10:00 - 18:00, Würzburg (GER)

Program	
9:30 - 10:15	<i>Welcome coffee</i>
10:15 - 10:30	Introduction
Session 1	
10:30 - 11:00	“Single cell force spectroscopy and cell elasticity by Fluidic Force Microscopy” Dr. Ana Sancho – FMZ Würzburg
11:00 - 11:30	“Influence of bacterial proteins on host cells” Dr. Henrik Peisker – University of Saarland / Nanosurf GmbH
11:30 - 12:00	“Tailored Perturbations and Molecular Analyses of Single Living Cells by Fluidic Force Microscopy” Dr. Orane Guillaume-Gentil – ETH Zürich
12:00 - 13:30	<i>Lunch</i>
Session 2	
13:30 - 14:00	“Soft Biomaterials: Lithography and Interaction Forces by FluidFM” Nicolas Helfricht – Uni Bayreuth
14:00 - 14:30	“Liquid flow characterization of the FluidFM – how much chemicals do I really have at the tip?” Mathias Aebersold - ETH Zürich
14:30 - 15:00	“Tip Chip: subcellular sampling from single living cancer cells” Dr. Jos Quist – University of Twente
15:00 - 15:30	<i>Coffee break</i>
Session 3	
15:30 - 15:50	“Retrospect, prospects and announcements” Dr. Pablo Dörig – Cytosurge AG
15:50 - 16:05	“Mass measurement of adherent cells in culture conditions” Dr. Jonathan Adams – D-BSSE-ETHZ Basel / Nanosurf AG
16:15 - 16:30	“SICM with FluidFM Probes” Dr. Nikola Pascher – EPFL Lausanne / Nanosurf AG
16:30 - 16:45	Questions, discussion and closing remarks
18:00 - 21:00	<i>Dinner</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.