User Meeting 2018

Scientific Program

09:10	Urs Matter	Welcome
09:15	Daniel Müller	Atomic force microscopy-based mechanobiology
09:45	Katharina Doll	Measuring bacterial adhesion forces on implant materials
10:10	David Martinez-Martin	The power and need for cell growth regulation at the single cell level
10:35		**Coffee break**
11:00	Orane Guillaume-Gentil	FluidFM for Molecular Investigations of Single Cells
11:25	Tomaso Zambelli	Developments in FluidFM based SICM
11:50	Nicolas Helfricht	FluidFM: A novel tool for manipulation and characterization of soft materials
12:15	Wojciech Dera	Method for lateral force calibration in AFM and its applications
12:30		**Lunch break**
13:45	Thilo Glatzel	The influence of water on the work function of nanoscale diamonds
14:10	Paul Keatley	The LensAFM as a platform for time-resolved scanning near-field magneto-optical microscopy
14:35	Bekim Osmani	Nanostructured dielectric elastomer transducers for smart implants
15:00	Ricardo Gouveia	Advances in corneal tissue engineering – matrices matter
15:25		**Coffee break**
16:00	Franz Giessibl	The qPlus sensor, a powerful core for the atomic force microscope
16:30	Oguzhan Gürlü	Looking beyond the surface with Nanosurf scanning probe microscopes
17:00	Bjarke Jørgensen	AFM and potatoes – the use of atomic force microscopy for the development of graphene based broadband photodetectors for food inspections
17:30		Closing remarks
17:35		Apéro

Monday, November 5th
9:00 – 17:00
Room #116 (1st floor)
University of Basel
Kollegienhaus Petersplatz

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