

Program of the 13th mol(CH)surf discussion meeting

Friday, June 29, 2018

University of Bern, Dept. Chemistry and Biochemistry, Freiestrasse 3, Room EG16



08:45 – 09:15 *Registration*

09:15 – 09:20 Welcome Thomas Greber

Keynotes

Chair: Pascal Ruffieux

09:20 – 10:05 STM-induced light emission: from molecular LED to subnanometric fluorescence microscopy Guillaume Schull, IPCMS, Strasbourg

10:05 – 10:35 Insights into complex natural processes from high-resolution atomic force microscopy Fabian Schulz, IBM

Coffee break

Recent developments

Chair: Leo Gross

11:00 – 11:25 Adsorbed molecules at the solid/liquid interface Marcella Iannuzzi, UZH

11:25 – 11:50 Force microscopy experiments with single molecules Rémy Pawlak, UBAS

11:50 – 12:15 Magnetic properties of 4f single ion molecules synthesized on-surface Marina Pivetta, EPFL

Lunch

at Restaurant Beaulieu

Brief reports

Chair: Rémy Pawlak

14:15 – 14:30 Phase transitions in minimal amount of matter in on-surface nanosized confinements Aisha Ahsan, UBAS

14:30 – 14:45 On-surface synthesis and characterization of indenofluorene-based polymers: a combined experimental and computational study Kristjan Eimre, EMPA

14:45 – 15:00 Pyrene GNR: an ultra-low band gap ribbon with an unusual edge structure Qiang Sun, EMPA

15:00 – 15:15 Stereospecific Autocatalytic Surface Explosion Chemistry of Polycyclic Aromatic Hydrocarbons Christian Wäckerlin, EMPA

Focus session: k-space / PEARL

Chair: Matthias Hengsberger

15:15 – 15:35 Orbital tomography study of organic semiconductors and charge-transfer complexes Luca Castiglioni, UZH

Coffee break

16:00 – 16:20 Upgrade plans of the SLS (SLS 2.0) Frithjof Nolting, PSI

16:20 – 16:35 PEARL - the present, the future Matthias Muntwiler, PSI

16:35 – 16:45 **Final discussion**

16:45 Closing remarks Roman Fasel

molCHsurf XIII (2018)



List of registered participants

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