

**Sunday, 2019/6/30**

17:00 - 19:00

**Registration**

Other

17:00 - 17:15 **Talk Title Example 1**  
Presenter Y

17:15 - 17:30 **Talk Title Example 2**  
Presenter Z

17:30 - 18:00 **Talk Title Example 3**  
Presenter W

19:00 - 20:00

**Welcome mixer**

Other

20:00 - 21:00

**Dinner**

Other

**Monday, 2019/7/1**

07:30 - 08:30

**Breakfast**

Other

08:45 - 09:00

**Welcome and announcements (Marta Bally & Ilya Reviakine)**

**Session I: Materials in Biological Milieu**

09:00 - 09:45

**Andrea Salis - Department of Chemical & Geological Sciences, University of Cagliari, Italy Specific effects of electrolytes at biointerfaces**

**Session I: Materials in Biological Milieu**

09:45 - 10:30

**Tobias Weidner - Department of Chemistry, Aarhus University, Denmark How proteins make glass and ice - protein driven control of materials**

**Session I: Materials in Biological Milieu**

10:30 - 11:00

**Coffee break & poster set-up**

Other

11:00 - 11:45

**Francesca Baldelli Bombelli - Department of Chemistry, Politecnico di Milano, Italy Nanoparticle-protein conjugates: design, characterization, and biointeractions**

Session I: Materials in Biological Milieu

11:45 - 12:05

**David Cheung National University of Ireland Galway, Ireland. Effect of surface structure and chemistry on protein adsorption**

Session I: Materials in Biological Milieu

12:05 - 15:00

**Lunch & free time**

Other

15:00 - 16:00

**Coffee & meet the speakers of session I**

16:00 - 16:45

**Wilbur A. Lam Department of Biomedical Engineering, Georgia Institute of Technology & Emory University School of Medicine, Atlanta, GA, USA Development and Clinical Translation of Engineered Microsystems for Hematologic Diseases**

Session I: Materials in Biological Milieu

16:45 - 17:05

**Birgit Fendl Danube University Krems, Austria. Association of CRP With Extracellular Vesicles**

Session I: Materials in Biological Milieu

17:05 - 17:50

**Tommy Nylander Department of Physical Chemistry and NanoLund, Lund University, Lund, Sweden Biomolecular interactions at the lipid aqueous interface of non-lamellar liquid crystalline phases.**

17:50 - 18:20

**Coffee break**

Other

18:20 - 19:05

**Peter Tieleman - Department of Biological Sciences, University of Calgary, Canada Increasing complexity and realism in computer simulations of biological membranes**

19:05 - 19:25

**Sarah Waldie Institute Laue-Langevin, Grenoble, France. Cholesterol Deuteration and Exploitation for the Study of HDL/LDL Exchange Phenomena in Atherosclerosis**

19:30 - 20:30

**Dinner**

Other

20:30 - 23:00

**Poster session I**

**Poster Sessions**

## Tuesday, 2019/7/2

07:30 - 08:30

**Breakfast**

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Other

09:00 - 09:45

**Maikel C. Rheinstädter Department of Physics and Astronomy, McMaster University, Hamilton, ON, Canada Neutrons and X-Rays for Health and Disease**

09:45 - 10:05

**Saara Lautala University of Helsinki, Finland. A potent partial agonist of PKC orients in membranes like the biological activator diacylglycerol**

10:05 - 10:20

**Carmen Pettersson JPK BioAFM, Bruker Nano Surfaces, Berlin, Germany Investigating Dynamic Biological Processes with High-Speed, High-Resolution Correlative AFM-Light Microscopy**

Other

10:20 - 10:30

**Sponsor Pitch talks: Insplorion, Microvacuum**

Other

10:30 - 11:00

**Coffee break & poster viewing**

Other

11:00 - 11:20

**Kaori Sugihara, University of Geneva, Switzerland. The mechanism of antimicrobial peptide synergy.**

11:20 - 11:40

**Dayane Alvares National University of Cordoba, Argentina; and São Paulo State University - UNESP-IBILCE, Brazil. Impact of an antimicrobial peptide on the membrane fluidity of host membranes: Influence of cholesterol and a hopanoid.**

11:40 - 11:55

**FEBS Presentation by Claudio Soares, Universidade Nova de Lisboa, Portugal**

Other

12:00 - 15:00

**Lunch & free time**

Other

15:00 - 16:00

**Coffee & meet the speakers of sessions II & III**

16:00 - 16:45

**Patricia Bassereau Physico-Chimie Curie, Institut Curie, Paris, France. Linkers at the interface plasma membrane-cortical actin: only linkers?**

16:45 - 17:30

**Natalie Elia** Department of Life Sciences, Ben Gurion University of the Negev, Beer Sheva, Israel.  
Cytokinetic membrane abscission mediated by the ESCRT complex.

17:30 - 18:00

**Coffee break and poster viewing**

Other

18:00 - 18:45

**Susan Daniel** School of Chemical and Biomolecular Engineering, Cornell University, Ithaca, NY, USA  
Biologically complex supported cell membranes and their applications in hostpathogen interactions.

18:45 - 19:05

**Hudson Pace** Umeå University, Sweden. Next-Generation Model Membrane Architectures for Investigating Host-Pathogen Interactions

19:05 - 19:25

**Natalia Baranova** Institute of Science and Technology (IST) – Vienna, Austria. In vitro reconstitution of bacterial cell division.

19:30 - 20:30

**Dinner**

Other

20:30 - 22:30

**Poster Session II**

**Poster Sessions**

## Wednesday, 2019/7/3

07:30 - 08:30

**Breakfast**

Other

09:00 - 09:45

**Manuel Salmeron-Sanchez** Centre for the Cellular Microenvironment, School of Engineering, University of Glasgow, UK Engineered 3D environments to control stem cell differentiation

Session IV: Cell and Tissue Interfaces

09:45 - 10:30

**Viktoria Weber** Department of Biomedical Research and Christian Doppler Laboratory for Innovative Therapy Approaches in Sepsis, Danube University Krems, Krems, Austria The blood-biomaterial interface

Session IV: Cell and Tissue Interfaces

10:30 - 11:00

Coffee break & poster viewing

Other

11:00 - 11:45

**Thomas Crouzier** Division of Glycoscience School of Biotechnology, Royal Institute of Technology (KTH), Stockholm, Sweden. Evading the foreign body reaction with immune-modulating mucin hydrogels.

Session IV: Cell and Tissue Interfaces

11:45 - 12:05

**Rami Mhanna** American University of Beirut, Lebanon. The sulfation of biomimetic glycosaminoglycans controls growth factor binding and subsequent cell proliferation and differentiation.

Session IV: Cell and Tissue Interfaces

12:05 - 12:25

**Ralf Richter** University of Leeds, UK Multivalent Recognition at Fluid Surfaces: The Interplay of Receptor Clustering and Superselectivity.

Session IV: Cell and Tissue Interfaces

12:30 - 19:30

Lunch & excursion / free time

Other

19:30 - 20:30

Dinner

Other

20:30 - 22:30

Poster Session III

Poster Sessions

**Thursday, 2019/7/4**

07:30 - 08:30

Breakfast

Other

09:00 - 09:45

**Joachim O. Rädler** Faculty of Physics and Centre for Nanosciences, Ludwig Maximilians Universität München, Germany Structured interfaces for the study of cell migration phenotypes

Session IV: Cell and Tissue Interfaces

09:45 - 10:30

**Petra Schwill** Cellular and Molecular Biophysics, Max Plank Institute of Biochemistry, Martinsried, Germany. How membranes catalyze protein self-organization.

10:30 - 11:00

Coffee break & poster viewing

Other

11:00 - 11:20

**Chris Lorenz**, King's College London, UK. The effect of oxidised cholesterol on model red blood cell membranes

11:20 - 11:40

**Adree Khondker**, McMaster University, Hamilton, ON, Canada. A Molecular Mechanism for Polymyxin-induced Membrane Damage that predicts Bacterial Resistance

11:40 - 12:00

**Jorge Royes Mir**, ENS Chimie, Paris, France. Teaching nanomaterials to bacteria: bioproduction of chemically modifiable proteoliposomes.

12:00 - 12:20

**Ferra Pinnock Cornell University, Ithaca, NY, USA On-chip synthesis of Ganglioside GM1 for the Treatment of Huntington's Disease**

12:30 - 15:00

**Lunch & free time**

Other

15:30 - 16:00

**Coffe & meet the speakers of sessions IV and V**

16:00 - 16:45

**Milica Radisic Institute of Biomaterials & Biomedical Engineering, University of Toronto, ON, Canada  
Advances in organ-on-a-chip engineering**

16:45 - 17:30

**Robert Passier Applied Stem Cell Technologies, University of Twente, Enschede, the Netherlands  
Human heart-on-chip models for modelling cardiovascular disease**

17:30 - 18:45

**Forward look session**

19:30 - 22:00

**Conference dinner**

Other

**Friday, 2019/7/5**

07:30 - 09:30

**Breakfast and Departure**

Other