

RTG 2202 Symposium | Biophysical characterization of membrane proteins

Thursday, 11th October 2018

08:30	Registration
09:00 - 09:15	Welcome
09:15 - 10:00	Exocytosis of synaptic vesicles in neurons Reinhard Jahn, University of Göttingen, Germany
10:00 - 10:45	The Grateful Infrared – Novel IR techniques to probe the functional changes of membrane proteins, Joachim Heberle, Freie Universität Berlin, Germany
10:45 - 11:15	Coffee break
11:15 - 11:40	Protein quality control at the main entry gate of mitochondria Christoph Mårtensson, University of Freiburg, Germany
11:40 - 12:25	Mass Spectrometry as a powerful tool to study protein dynamics René Zahedi, Lady Davis Institute/JGH, Canada
12:25 - 12:50	Infrared study of the protein GlcP _{sc} and determination of pKa Ana Filipa Santos Seica, University of Strasbourg, France
12:50 - 14:00	Lunch
14:00 - 14:45	Unraveling mitochondrial inner membrane biogenesis Michael Meinecke, University of Göttingen, Germany
14:45 - 15:30	Transport across lipid bilayers: How model membranes contribute to our current understanding, Claudia Steinem, University of Göttingen, Germany
15:30 - 16:00	Coffee break
16:00 - 16:45	Membrane Protein Folding and Assembly: Biology Meets Thermodynamics Stephen H. White, University of California at Irvine, USA
16:45 - 17:30	Selectivity of membrane lipid efflux induced by proteins and peptides Michel Lafleur, University of Montreal, Canada
17:30 - 17:55	Phosphorylation of Sam37 as a novel regulation mechanism for TOM assembly, Corvin Walter, University of Freiburg, Germany
18:00	Dinner

Friday, 12th October 2018

08:30	Coffee
09:00 - 09:45	Viscoelasticity of cells – implications for adhesion and motility Andreas Janshoff, University of Göttingen, Germany
09:45 - 10:30	Investigating biological processes with quantitative fluorescence microscopy Pascal Didier, University of Strasbourg, France
10:30 - 10:55	Characterization of the interaction between human CHP3 and the Na ⁺ /H ⁺ exchanger NHE1, Simon Fuchs, University of Freiburg, Germany
10:55 - 11:25	Coffee break
11:25 - 12:10	Spontaneous curvature of membranes from molecular simulations Bartosz Rózycki, PAS Warsaw, Poland
12:10 - 12:55	Coarse-grained Simulations Reveal Entropic Forces in Membranes and Membraneless Organelles, Julian Shillcock, EPFL Lausanne, Switzerland
12:55 - 13:20	Uncovering the Cu ⁺ delivery pathway to cytochrome c oxidase in <i>Rhodobacter capsulatus</i> , Andreea Andrei, University of Freiburg, Germany
13:20	Lunch

Register here: www.taim.uni-freiburg.de

