

July 3-8, Mittelwihr, France



IRTG SoMaS Summer School 2016

Synthetic and Biological Membranes: Diffusion and Interactions

Time	Sunday, July 3	Monday, July 4	Tuesday, July 5	Wednesday, July 6	Thursday, July 7	Friday, July 8
09:00		Lecture 1/1: Self-assembled macromolecular membranes and nanostructures <i>(Min-Hui Li)</i>	Lecture 2/1: Tailored Self-assembling Amphiphilic Block Copolymers as stable membrane scaffolds for protein based biosensors <i>(Luke Theagarajan)</i>	Research Seminar L1: Nanoparticle and lipid nanodomain insertion in the membrane of large and giant copolymer vesicles <i>(Olivier Sandre)</i>	Lecture 3/2: Cells interacting with micro- and nanostructured surfaces <i>(Joachim Rädler)</i>	Career seminar part 1: Time-Management -How to master your research day and PhD project <i>(Matthias Mayer)</i>
09:45				Research Seminar L1: Behavior of Polymer Membranes <i>(Wolfgang Meier)</i>		
10:30		Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break
11:00		Lecture 1/2: Self-assembled macromolecular membranes and nanostructures <i>(Min-Hui Li)</i>	Lecture 2/2: Tailored Self-assembling Amphiphilic Block Copolymers as stable membrane scaffolds for protein based biosensors <i>(Luke Theagarajan)</i>	Research Seminar L2: Membrane stabilization through bilayer interdigitation and its effects on phospholipid vesicle morphology <i>(Andreas Zumbühl)</i>	Tutorial of Lecture 3: <i>(Oswald Prucker)</i>	Career seminar part 2: Time-Management -How to master your research day and PhD project <i>(Matthias Mayer)</i>
11:45				Research Seminar L2: Using Polymer Membranes for Biosensor Applications <i>(Justin Rofeh)</i>		
12:30		Lunch Break	Lunch Break	Lunch Break	Lunch Break	Lunch and closing remarks
13:00						
14:00		Tutorial of Lecture 1: <i>(Min-Hui Li & Olivier Sandre)</i>	Tutorial of Lecture 2: <i>(Justin Rofeh)</i>	Lecture 3/1: Cells interacting with micro- and nanostructured surfaces <i>(Joachim Rädler)</i>	Research Seminar L3: Membrane as matchmaker for cell adhesion <i>(Ana-Suncana Smith)</i>	
14:45					Research Seminar L3: Multilayers of polyelectrolytes: application in the biomaterial field <i>(Fouzia Boulmedais)</i>	
15:30		Coffee Break	Coffee Break	Coffee Break	Coffee Break	
16:00		Poster session A	Poster session B	Guided tour through the vineyards	Free time for discussion	
16:30	Arrival					
17:00	Opening remarks					
17:45	Single-molecule transport through nanopores: Ubiquity, challenges, and opportunities <i>(Murugappan Muthukumar)</i>					
18:45	Aperitif	Aperitif	Aperitif	Aperitif	Aperitif	
19:30	Dinner	Dinner	Dinner	Dinner	Dinner	

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