

SFB 1027 Status-Seminar, Tuesday 30.1.2024 - Campus SB, Aula

| Project | Time | Speaker | Title |
|---------|--------------|--------------------|---|
| A7 | 9:00 - 9:15 | Shaebani | Stochastic approach to active transport in biological environments |
| A10 | 9:15 - 9:30 | Lautenschläger | Cell cortex structure and dynamics before, during, and after adhesion |
| A2 | 9:30 - 9:45 | Qu | Dynamics of polarization of T cells and NK cells |
| A11 | 9:45 - 10:00 | Hoth | Killing efficiency of cytotoxic T lymphocytes and natural killer cells against cancer cells |
| B6 | 10:00-10:15 | Del Campo | Dynamics of ligands and forces in T cell activation |
| A3 | 10:15-10:30 | Rieger | Physical processes during T cell search, polarization and killing |
| A13 | 10:30-10:45 | Aradilla-Zapata | The role of MAPs in microtubule lattice dynamics |
| A8 | 10:45-11:00 | Diez/Santen | Motor-driven Transport of Intracellular Cargo: Cooperativity and Control |
| | 11:00-11:30 | | - Coffee - |
| C10 | 11:30-11:45 | Ernst | A kinetic proofreading mechanism for sensing lipid saturation |
| C9 | 11:45-12:00 | Schrul | Lipid droplet formation: Cooperative processes governing protein partitioning |
| B7 | 12:00-12:15 | Hub | Molecular dynamics simulation of large-scale transitions at membranes and interfaces |
| B4 | 12:15-12:30 | Seemann/Fleury | Microfluidic platform to study the transport properties of model cell membranes |
| B8 | 12:30-12:45 | Sankaran | Studying bacterial behavioral dynamics in synthetic biofilms |
| A12 | 12:45-13:00 | Iden | Environmental control of melanocyte differentiation and transformation |
| | 13:00-14:00 | | - Lunch (Buffet Aula) - |
| B1 | 14:00-14:15 | Santen/Jacobs/Hähl | Modeling biofilms - proteins and bacteria |
| B2 | 14:15-14:30 | Jacobs/Bischoff | Bacterial adhesion and biofilm formation: Physical processes at interfaces |
| B3 | 14:30-14:45 | Hannig | Bio-inspired control of biofilms on soft and hard oral tissues |
| C1 | 14:45-15:00 | Ott | Fluctuations and cooperativity in molecular recognition and development |
| | 15:00-15:30 | | - Coffee - |
| C5 | 15:30-15:45 | Schwarz/Bruns | The role of protein-lipid interactions in fast Ca ²⁺ -triggered exocytosis |
| C4 | 15:45-16:00 | Niemeyer/Bogeski | Functional relevance of compartmentally controlled calcium and redox signaling |
| C3 | 16:00-16:15 | Helms | Cellular Reorganization upon State Transitions |
| IRTG | 16:15-16:30 | Jacobs/Hähl | Integrated research training group |
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| ALL PIs | 16:45-17:30 | | Member assembly (Mitgliederversammlung) |
| ALL | 17:30-... | | - Dinner (Buffet, Aula) - |