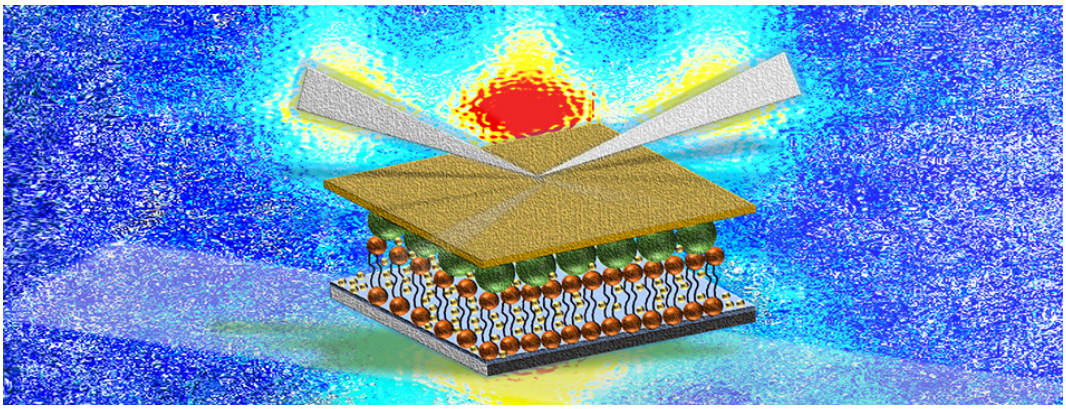
Session Program

Oct 8 – 11, 2024



JCNS Workshop 2024, Trends and Perspectives in Neutron Scattering: Functional Interfaces

Bio-interfaces

Evangelische Akademie Tutzing
Schloßstraße 2+4, 82327 Tutzing, Germany

Thu, October 10

10:30 AM

Bio-interfaces

Session | **Location:** Evangelische Akademie Tutzing, Schloßstraße 2+4, 82327 Tutzing, Germany

10:30 – 11:00 AM

Curvature induced phase separation in lipid bilayers: A structural and compositional perspective

Speaker
Prof. Marite Cardenas

11:00 – 11:30 AM

Neutron Scattering as diagnostic tool to investigate the molecular interactions at lipid nano-biointerfaces

Speaker
Giuseppe Vitiello

11:30 – 11:45 AM **Timescales of Cell Membrane Fusion Mediated by SARS-CoV2 Spike Protein**

Speaker
Sebastian Jaksch

11:45 AM – 12:00 PM

NR determination of the structural profile of asymmetric myelin membranes and their interaction mechanism with Myelin Basic Protein (MBP)

Speaker
Julio Martín Pusterla

12:00 PM

1:30 PM

Bio-interfaces

Session | **Location:** Evangelische Akademie Tutzing, Schloßstraße 2+4, 82327 Tutzing, Germany

1:30 – 1:45 PM **Dynamical heterogeneity in the model brain lipid membrane due to NSAIDs**

Speaker
Dr Purushottam Dubey

1:45 – 2:00 PM

The Influence of Charge on the Interaction Between Intrinsically Disordered Proteins and Phospholipid Membranes: A Neutron Reflectometry Examination of α-Synuclein and Synaptobrevin-2

Speaker
Dr Irina Apanasenko

2:00 PM

Fri, October 11

9:00 AM

Bio-interfaces

Session | **Location:** Evangelische Akademie Tutzing, Schloßstraße 2+4, 82327 Tutzing, Germany

9:00 – 9:30 AM

Biomimetic interfaces to unveil the cell internalization mechanisms of extracellular vesicles

Speaker

Prof. Valeria Rondelli

9:30 – 9:45 AM

The Interaction of Styrene Maleic Acid Copolymers with Phospholipids in Langmuir Monolayers, Vesicles and Nanodiscs

Speaker

Tom Arnold

9:45 AM