



# EUROISMAR 2019

## Monday 26 August 2019

### **Biomolecules: IDP: Session 4 - Lecture Hall A (10:30-13:00)**

time	[id] title	presenter
10:30	[549] Disordered Protein Complexes	Prof. KRAGELUND, Birthe B.
11:05	[324] Cross-correlated relaxation for studying intrinsically disordered proteins	Dr ZAWADZKA-KAZIMIER CZUK, Anna
11:30	[358] NMR insight into transient structures and interactions within the RNA polymerase of bronchiolitis virus	Dr SIZUN, Christina
11:55	[574] The role of proline residues in intrinsically disordered proteins	Prof. PIERATTELLI, Roberta
12:30	[52] The NMR structure of a gp41 cytoplasmic tail fragment reveals the structural basis of the transmembrane coupling of the HIV-1 envelope glycoprotein	Dr PIAI, Alessandro

### **Biomolecules: Membranes: Session 8 - Max Kade Auditorium (16:15-17:40)**

time	[id] title	presenter
16:15	[628] New Long-Distance SSNMR Techniques and Their Applications to Protein Structure Determination	Prof. HONG, Mei
16:50	[335] Molecular mechanisms behind Remorin nanodomain formation	Dr HABENSTEIN, Birgit
17:15	[135] Solution NMR of nanodisc-embedded proteins: new molecular insights into protein-protein and protein-membrane interactions	Prof. CHILL, Jordan

### **Biomolecules: Modelling of Biological Processes: Session 7 - Lecture Hall C (16:15-17:40)**

time	[id] title	presenter
16:15	[61] Copper trafficking in eukaryotic systems: Current knowledge from experimental and computational efforts	Prof. RUTHSTEIN, Sharon
16:50	[147] Structural description of the target search process by a disordered transcription factor	Mr KELLY, Conor
17:15	[215] A generalized approach for NMR studies of lipid-protein interactions based on sparse fluorination of acyl chains	Dr DIERCKS, Tammo

### **Biomolecules: Carbohydrate Interactions: Session 9 - Lecture Hall D (16:15-17:40)**

time	[id] title	presenter
16:15	[469] Selective High-Resolution DNP-Enhanced NMR of Biomolecular Binding Sites	Dr HEDIGER, Sabine
16:50	[151] Interaction between Cell-Wall and Biosynthetic Enzymes Using a Combination of Liquid- and Solid-State NMR Approaches	Prof. SIMORRE, Jean-Pierre

17:15	[15] Unravelling Glycan-Lectin Interactions: from STD to Paramagnetic NMR	Prof. JIMENEZ-BARBERO, Jesus
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## Tuesday 27 August 2019

### **Biomolecules: Session 14 - Max Kade Auditorium (10:30-13:00)**

time	[id] title	presenter
10:30	[257] NMR investigation of the activation mechanism of the guardian of the germ cell TAp63a	Prof. DÖTSCH, Volker
11:05	[320] Flavivirus capsid assembly and dynamics: evidence of a structure-driven regulation of protein interaction with intracellular hydrophobic interfaces.	Prof. ALMEIDA, Fabio C. L.
11:30	[460] Progress of the structural characterization on a eukaryotic rhodopsin by solid-state NMR	Prof. WANG, Shenlin
11:55	[617] Insights into the Antifungal Activity of Amphotericin B from Solid-State NMR	Prof. RIENSTRA, Chad M.
12:30	[395] Assessing site-specific water accessibility in folded and unfolded proteins using hyperpolarization-enhanced 2D HMQC NMR	Prof. FRYDMAN, Lucio

### **Biomolecules: Phase Separation: Session 18 - Lecture Hall A (16:15-17:40)**

time	[id] title	presenter
16:15	[561] Conformations of Tau in Dynamic Assemblies	Prof. ZWECKSTETTER, Markus
16:50	[339] Multivalency and phase separation of measles virus replication machinery.	GUSEVA, Serafima
17:15	[28] A Molecular View of the Liquid to Gel Phase Transition of Heterochromatin Protein HP1 $\alpha$	Prof. DEBELOUCHINA, Galia

# Wednesday 28 August 2019

## **Biomolecules: Integrated Structural Biology: Session 23 - Max Kade Auditorium (10:30-12:30)**

time	[id] title	presenter
10:30	[593] Integrative structural biology of non-coding RNA-protein complexes: telomerase and 7SK	Prof. FEIGON, Juli
11:05	[189] A Case of Domain Cooperation in a Multidomain Protein Interaction at Telomeres.	Dr CUNIASSE, Philippe
11:30	[141] Solution structure of Upstream-of-N-Ras, a 116 kDa multi-domain RNA binding protein	Dr HENNIG, Janosch
11:55	[565] High molecular-weight complexes in the regulation of gene expression: a view by integrative structural biology	Prof. CARLOMAGNO, Teresa

## **Biomolecules: Molecular Chaperones: Session 24 - Lecture Hall C (10:30-12:30)**

time	[id] title	presenter
10:30	[538] The True Tales of the Flexible Tails – Interaction of J-domain Protein with Hsp70 chaperones	Dr ROSENZWEIG, Rina
11:05	[206] Dynamic regulation of human Hsp70 chaperone functional cycle by its co-chaperones and client protein	Dr MAS, Guillaume
11:30	[195] NMR Informed Molecular Modeling to Capture Transient Chaperone-Substrate Interactions	Dr SALMON, Loic
11:55	[555] Atomic Insight into the Function and Activity of Molecular Chaperones	Dr KALODIMOS, Charalampos

# Thursday 29 August 2019

## **Biomolecules: Session 28 - Lecture Hall C (10:30-13:00)**

time	[id] title	presenter
10:30	[575] Spinning faster: Developments and Applications to Biological NMR	Prof. MEIER, Beat H
11:05	[332] Sensitivity-Enhanced Protein Solid-state NMR using Ultra-fast MAS and Structural Studies of Alzheimer's Amyloid- $\beta$	Dr ISHII, Yoshitaka
11:30	[18] Atomic resolution characterization of a folding intermediate by pressure-jump NMR	Dr CHARLIER, Cyril
11:55	[194] Monitoring phosphorylation events at the interface between the nuclear envelope and chromatin	Dr ZINN-JUSTIN, Sophie
12:30	[51] Protein phase diagrams determined by high-pressure NMR	Prof. BALBACH, Jochen

## **Biomolecules: Nucleic Acids: Session 33 - Lecture Hall B (16:10-17:15)**

time	[id] title	presenter
16:10	[43] Guanine-rich DNA regions and their amazing structures	Prof. PLAVEC, Janez
16:45	[10] Unique quadruplex structure and anti-disease activity of RNA aptamer, and in-cell NMR of nucleic acids	Prof. KATAHIRA, Masato