

Program
**Symposium “Frontiers in Integrative
 Structural Biology and Biophysics”**

Tuesday, April 6th 2021, 9:30-16:15, virtual meeting via [Webex](#)

9:30	Opening remarks: ISBI Graz <i>Karl Gruber, University of Graz, Tobias Madl, Medical University of Graz, Andreas Winkler, Graz University of Technology</i>
Session 1	Chairs: Walter Keller, Karl Gruber
9:40	Guest lecture: <i>Erhard Hohenester (Imperial College, London, UK): Structural biology of laminin</i>
10:15	<i>Oleksandra Tiapko (Medical University of Graz): Finding PIP2 interaction sites in the TRPC3 channel</i>
10:30	<i>Lina Riegler-Berket (University of Graz): The Z-shaped cap architecture - a hallmark to identify monoacylglycerol lipases?</i>
10:45	<i>Sandro Keller (University of Graz): Nanodiscs for Membrane Biophysics</i>
11:05-11:30	Break
Session 2	Chairs: Monika Oberer, Tea Pavkov-Keller
11:30	<i>Uršula Vide (Graz University of Technology): Activation mechanism in blue light-sensing LOV-diguanylate cyclases</i>
11:45	<i>Douwe Jan Bonthuis (Graz University of Technology): The structure of lipid-water and oil-water interfaces studied by atomistic molecular dynamics simulations</i>
12:05	<i>Pedro Sánchez Murcia (Medical University of Graz): Computational Chemistry next to the clinic: setting up a new lab</i>
12:25-14:00	Break
14:00	Poster Sessions (using Slack): see General Information Session 1, 14:00-15:00 Session 2, 15:00-16:00
16:00-16:15	BioTechMed-Graz Poster prize & concluding remarks (Webexlink)

Poster sessions in [Slack](#)

Nr.	Presenter	Uni	Title	Authors
1	Florian Wieser	TUG	Helix-Helix Loop Closure Quality	F. Wieser, G. Oberdorfer
2	Aneta Lenard	MUG	Regulation of phase separation and stress granule association of CIRBP via a phosphorylation-dependent mechanism	Aneta Lenard, Qishun Zhou, Sinem Usluer, Saskia Hutten, Fangrong Zhang, Benjamin M. R. Bourgeois, Dorothee Dormann, Tobias Madl
3	Veronica Delsoglio	TUG	Computational design of dimeric de novo heme-binding helical bundle proteins	Veronica Delsoglio; Gustav Oberdorfer
4	Jernej Jurič	KFU	Structural and functional characterization of the A622 enzyme	Jernej Jurič, Bastian Daniel, Karl Gruber
5	Qishun Zhou	MUG	ATP modulates CIRBP phase separation by acting as a competitor of RNA	Qishun Zhou, Sinem Usluer, Fangrong Zhang, Aneta J. Lenard, Benjamin M. R. Bourgeois, Tobias Madl
6	Cornelia Böhm	TUG	The PHY domain dimer interface of bacteriophytochromes mediates cross-talk between photosensory modules and output domains	Böhm Cornelia, Todorović Nikolina, Balasso Marco, Gourinchas Geoffrey, Winkler Andreas
7	Nakia Polidori	KFU	Old yellow enzymes ad oxime reductases: binding of non-natural substrates	Nakia Polidori, Amit Singh, Willem Bruno Breukelaar, Karl Gruber, Wolfgang Kroutil
8	Christoph Grininger	KFU	SlpA from lactobacilli and the receptor DC-SIGN - a preliminary love story	Christoph Grininger, Theo Sagmeister, Markus Eder, Tea Pavkov-Keller
9	Theo Sagmeister	KFU	Surface Layer Protein X – The missing Link in the Self-Assembly of the S-layer from Lactobacillus acidophilus	Theo Sagmeister , Christoph Grininger, Markus Eder , Đjenana Vejzović , Elisabeth Damisch , Andela Đordić, Claudia Millán , Janet Vonck , Isabel Usón, Bertram Daum and Tea Pavkov-Keller

10	Helgit Natmessnig	KFU	Similarities and differences in mammalian carboxylesterases revealed by biophysical characterization	Gabriel Chalhoub, Stephanie Kolleritsch, Lisa K. Maresch, Ulrike Taschler, Laura Pajed, Anna Tilp, <u>Helgit Natmessnig</u> , Philipp Rosina, Benedikt Kien, Franz P.W. Radner, Rudolf Schicho, Monika Oberer, Gabriele Schoiswohl, Guenter Haemmerle
11	Amit Singh	KFU	S477: Investigating the structural impact of the most mutated site in SARS-CoV2 Receptor Binding Domain (RBD) on human ACE2 receptor binding	Amit Singh, Georg Steinkellner, Katharina Köchl, Karl Gruber & Christian C. Gruber
12	Nina Gubensäk	KFU	Interaction between sensory regulators ToxR and ToxS of <i>Vibrio cholerae</i>	Nina Gubensäk, Gabriel E Wagner, Evelyne Schrank, Fabio S. Falsone, Tamara Margot Ismael Berger, Tea Pavkov-Keller, Joachim Reidl, Klaus Zangger
13	Laszlo Schooltink	KFU	Structural and biological analysis of arginine kinases and their role in allergy	Laszlo Schooltink
14	Tamara Berger	KFU	TraM – a DNA binding protein of the conjugative plasmid pIP501	Tamara M.I. Berger, Nina Gubensäk, Anna Reisenbichler, Verena Kohler, Walter Keller

Discussion times with the poster presenters (in slack):

14-14:30h: Poster # 1,3,5,
14:30-15h: Poster # 7,9,11,13

15-15:30h: Poster # 2,4,6,8
15:30-16h: Poster # 10,12, 14

BioTechMed-Graz Poster price will be awarded between 16:00-16:15 in the [Webex room](#)