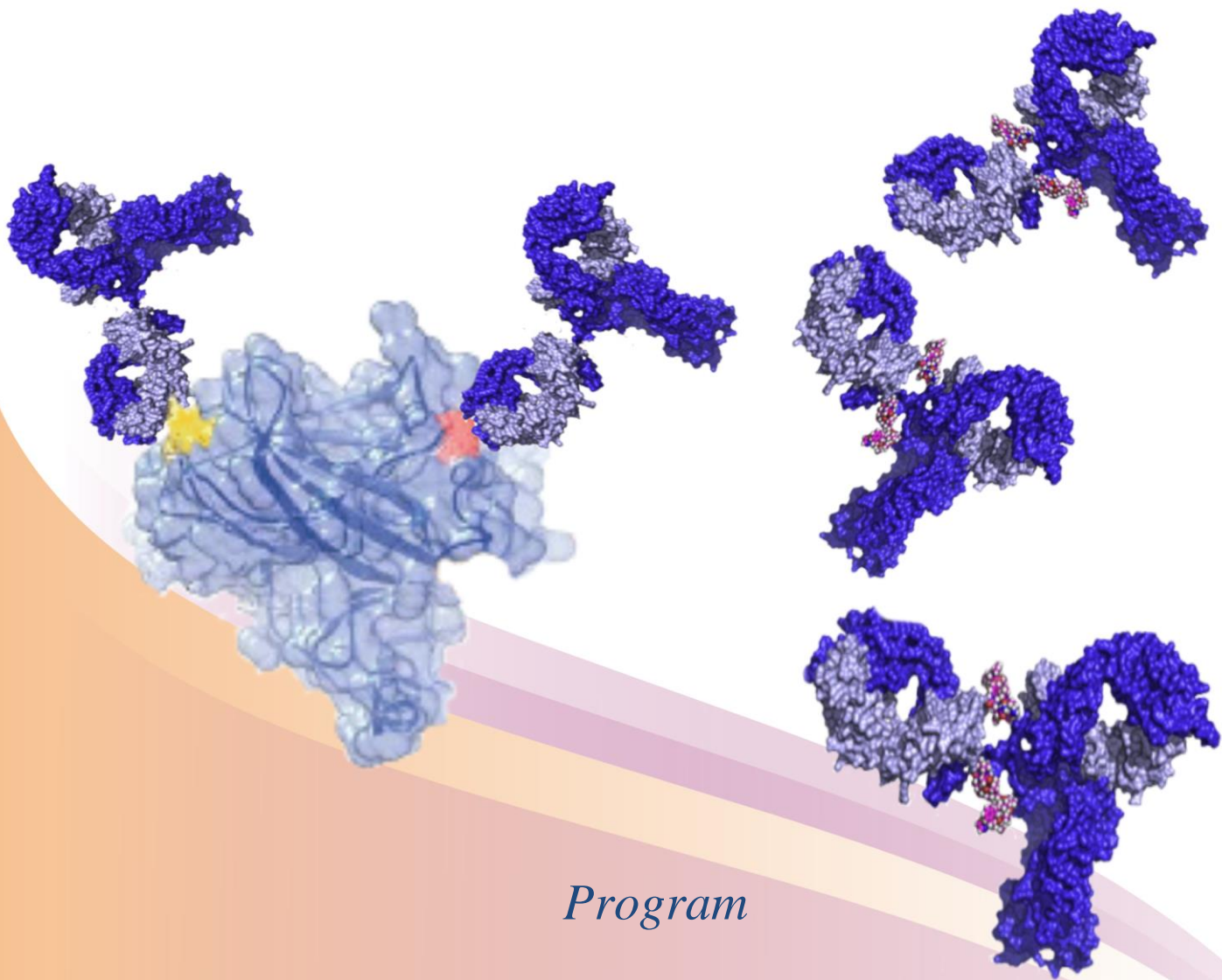


14th Proteome Forum and Participants' Camp



Program

*Structured MD and PhD curriculum
Molecular Mechanisms of Regenerative Processes
University Medicine Rostock
6th – 7th of December, 2017*

Wednesday, 6th December, 2017

Session I: (Chair: M. Sc. Mohannad Al Chiblak)

- 13:00-13:20 Conference opening / Welcome address by Prof. Dr. A. Altiner (Dean of Study Affairs)
- 13:20-14:20 **Prof. Dr. Michael Przybylski**, Steinbeis Centre Biopolymer Analysis and Biomedical Mass Spectrometry, Rüsselsheim.
New Approaches for Protein Therapy of High Immunogenicity: Mass Spectrometric Identification and Affinity Quantification of Antibody Epitopes in Enzyme Replacement Therapy of Lysosomal Storage Diseases
- 14:20-14:40 **M. Sc. Luise Ehlers**, Department of Medicine II, Division of Gastroenterology, Rostock.
Autoimmune pancreatitis of MRL/Mp mice is triggered by different subtypes of activated T-cells
- 14:40-15:00 **M. Sc. Michael Rabenstein**, Albrecht-Kossel-Institute for Neuroregeneration, Rostock.
Reduced Cerebellar EAAT Expression in NPC1-deficient Mice - Possible Impact on Purkinje Cell Loss?"
- 15:00-15:20 **M. Sc. Markus Wolfien**, Dept. of Systems Biology and Bioinformatics, Rostock.
Artificial Intelligence Guided Prediction of Cardiac Repair
- 15:20-16:00 Coffee break

Session II: (Chair: M. Sc. Hasan Albony)

- 16:00-16:20 **Dr. Med. Dent. Vinay V. Kumar**, Department of Oral Maxillofacial and Facial Plastic Surgery and Proteome Center Rostock.
Proteome expression of mucosa over vascularized fibula flap used for mandibular reconstruction resembles keratinized oral mucosa.
- 16:20-16:40 **M. Sc. Mohannad Al Chiblak**, Institute of Immunology, Rostock.
Investigation of transcriptional repression activities of KRAB-ZNF746, KRAB-ZNF777, and their DUF3669 domains.
- 16:40-17:00 **M. Sc. Yannick Baschung**, Steinbeis Center Biopolymer Analysis and Biomedical Mass Spectrometry and Proteome Center Rostock
*Aspartic Proteases from carnivorous plant *Nepenthes* as a tool for proteolytic affinity-mass spectrometry*
- 17:00-18:00 **Prof. Dr. Michael O. Glocker**, Proteome Center Rostock
Immuno-Analytical Tumor Diagnostics - Crème De La Crème or Catch As Catch Can?
- 20:00-22:00 Dinner: Restaurant Hopfenkeller, Kröpeliner Str. 18, 18055 Rostock.

Thursday, 7th December, 2017

Session III: (Chair: M.Sc. Yannick Baschung)

- 10:00-11:00 Prof. Dr. Hans-Jürgen Thiesen**, Institute of Immunology, Rostock.
Polygenic diseases: The challenge of the 21 century.
- 11:00-11:20 M. Sc. Bright D. Danquah**, Proteome Center Rostock
Intact Transition Epitope Mapping - Thermodynamic Weak-force Observation (ITEM-TWO)
- 11:20-11:40 M. Sc. Hasan Albony**, Institute of Immunology
Cloning, expression and purification of active PDZ-binding kinase (PBK)
- 11:40-12:40 M. Sc. Abdulkarim Najjar**, Institute of Pharmacy, Martin Luther University of Halle-Wittenberg.
Structure-based Design of Novel Kinase Inhibitors for Cancer Treatment
- 12:40-14:10** Lunch break

Session IV: (Chair: M. Sc. Bright D. Danquah)

- 14:10-14:30 M. Sc. Loredana Lupu**, Steinbeis Center Biopolymer Analysis and Biomedical Mass Spectrometry and Proteome Center Rostock
Update on the development of online-SPR- MS system → ProtexMS
- 14:30-14:50 M. Sc. Charles Ayensu Okai**, Proteome Center Rostock
Intrauterine Growth Restriction (IUGR) Scoring in Early Pregnancies by Affinity-Mass Spectrometry Profiling of Maternal Serum Proteins
- 14:50-16:00** Coffee Break and moving to BMFZ seminar room
- 16:00-17:00 Dr. Philipp Probst**, Institute of Pharmaceutical Sciences (IPW) - Swiss Federal Institute of Technology Zurich (ETH Zürich), Switzerland.
Antibody-based delivery of TNF for the treatment of soft tissue sarcoma
- 17:00-17:10** Conference closing

