

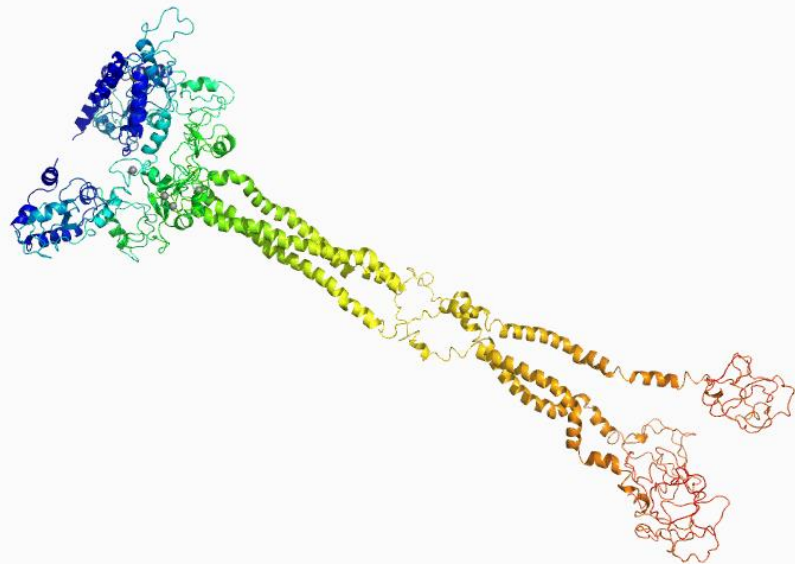
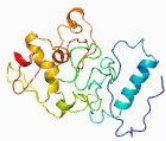


10th Proteome Forum

and

Participants' Camp

KRAB-domain from a
Zn-finger protein



RBCC-domain from TRIM28

Winter Semester 2015 / 2016

2nd – 3rd of December, 2015

Participants' Camp and 10th Proteome Forum

Wednesday, December 2nd, 2015

- 13:30-13:45 **Prof. Dr. Michael O. Glocker**, University Medicine Rostock
Conference Opening
- 13:45-14:45 **Prof. Hans-Jürgen Thiesen**, Institute of Immunology
New Avenues in Dissecting KRAB-Zinc Finger Networks
- 15:00-16:00 **M.Sc. A. Schade**, Reference and Translation Center for Cardiac Stem Cell Therapy
(lecture hall 2/
dentistry) *Ph.D. Defense*
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Session I: Novel Mass Spectrometric Methods for Clinical Research

(Chair: M.Sc. Michael Rabenstein)

- 16:00-17:00 **Prof. Dr. Michael O. Glocker**, Proteome Center Rostock
Risk Assessment of Preterm Newborns by Affinity Mass Spectrometry
- 17:00-18:00 **Dr. Ian Edwards**, WATERS – Health Sciences Research, Manchester, England
Mass Spectrometry Imaging and Direct Sampling techniques for pharmaceutical and biomedical clinical research applications
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20:00-22:00 **Dinner:** Restaurant L'Osteria am Neuen Markt

Thursday, December 3rd, 2015

Session II: Molecular Structure / Function Correlation Methods

(Chair: M.Sc. Vinay V. Kumar)

- 9:30-9:50 **M.Sc. Markus Wolfien**, Dept. of Systems Biology and Bioinformatics
New Insights into the Regulation of the Heart Rate at the Molecular and Meta-level
- 9:50-10:10 **M.Sc. Yelena Yefremova**, Proteome Center Rostock
Higher Order Structure Changes in Protein G'e Probed by Structural Mass Spectrometry
- 10:10-10:30 **M.Sc. Hasan Al-Bony**, Institute of Immunology
NeutrAvidin ELISA troubleshooting – how to reliably determine serum antibodies against frameshift peptides?
- 10:30-10:50 **M.Sc. Bright Danquah**, Proteome Center Rostock
Kinetic and Thermodynamic Studies of Antibody - Antigen Interactions
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10:50-11:30 **Coffee Break**

Session III: Cell Biological and Animal Studies on Patho-/ Physiological Processes

(Chair: M. Sc. Yelena Yefremova)

- 11:30-11:50 **M.Sc. Luise Borufka**, Center for Internal Medicine – Gastroenterology Dept.
Adoptive Transfer of Spleen Cells in Murine Autoimmune Pancreatitis
- 11:50-12:10 **M.Sc. Natalia Voronina**, Reference and Translation Center for Cardiac Stem Cell Therapy
Improving Non-viral Modification of Endothelial Cells – A Magnetically Driven Approach
- 12:10-12:30 **Dr. Vinay V. Kumar**, Department of Oral and Maxillofacial Surgery
Osseointegration of a Specific Streptavidin-Biotin-Fibronectin Surface Coating of Biotinylated Titanium Implants- A Rabbit Animal Study
- 12:30-12:50 **M.Sc. Michael Rabenstein**, Albrecht-Kossel-Institute for Neuroregeneration
Altered Purkinje Cell Activity in NPC1 KO Mice - Based on Different Chloride Conductibility?
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12:50-14:00 **Lunch Break**

Thursday, December 3rd, 2015

Session IV: Molecular Interaction Analysis and Cellular Programming

(Chair: M.Sc. Markus Wolfien)

- 14:00-14:20 **M.Sc. Jingzhi Yang**, Proteome Center Rostock
Plasma Cytokine and Growth-factor Profiles During Free Flap Transplantation
- 14:20-14:50 **M.Sc. Kwabena F.M. Opuni**, Proteome Center Rostock
Epitope Prediction of the Rheumatoid Arthritis Autoantigen Glucose-6-Phosphate Isomerase (GPI)
- 14:50-15:10 **M.Sc. Yannick Baschung**, Steinbeis Centre Biopolymer Analysis and Biomedical Mass Spectrometry, Rüsselsheim, Germany
Characterization of Carbohydrate and Chaperone Binding Sites in Human α -Galactosidase A by Proteolytic Affinity - Mass Spectrometry
- 15:10-15:30 **M.Sc. Paula Müller**, Reference and Translation Center for Cardiac Stem Cell Therapy
MicroRNA-based Programming of hMSCs into Cardiomyocytes
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15:30-16:00 **Coffee Break**

Session V: Novel Approaches to Characterize Molecular Processes in Human Diseases

(Chair: Prof. Dr. Hans-Jürgen Thiesen)

- 16:00-17:00 **PD Dr. Cagatay Günes**, Leibniz-Institut für Alternsforschung, Fritz-Lipmann-Institut Jena, Germany
Oncogenesis and Aging: New Roles for Telomeres and Telomerase
- 17:00-18:00 **Prof. Dr. Michael Przybylski**, Steinbeis Centre Biopolymer Analysis and Biomedical Mass Spectrometry, Rüsselsheim, Germany
New Perspectives for Proteomics, Biomedical and Biomolecular Recognition Analysis by Combination of Affinity Tools and Mass Spectrometry
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- 18:00-18:10 **Prof. Dr. Michael O. Glocker**, University Medicine Rostock
Conference Closing
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Location on Campus:

