

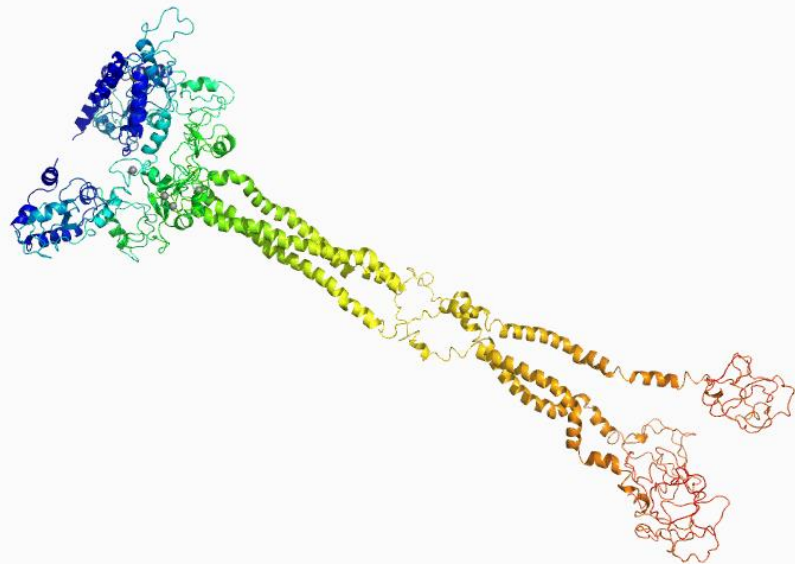
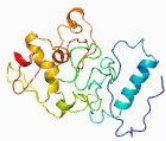


# *10<sup>th</sup> Proteome Forum*

*and*

# *Participants' Camp*

KRAB-domain from a  
Zn-finger protein



RBCC-domain from TRIM28

*Winter Semester 2015 / 2016*

*2<sup>nd</sup> – 3<sup>rd</sup> of December, 2015*

*Participants' Camp and 10<sup>th</sup> Proteome Forum*

**Wednesday, December 2<sup>nd</sup>, 2015**

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- 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

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**Thursday, December 3<sup>rd</sup>, 2015**

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**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**

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**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**

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**Thursday, December 3<sup>rd</sup>, 2015**

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**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  $\alpha$ -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**

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**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:*

