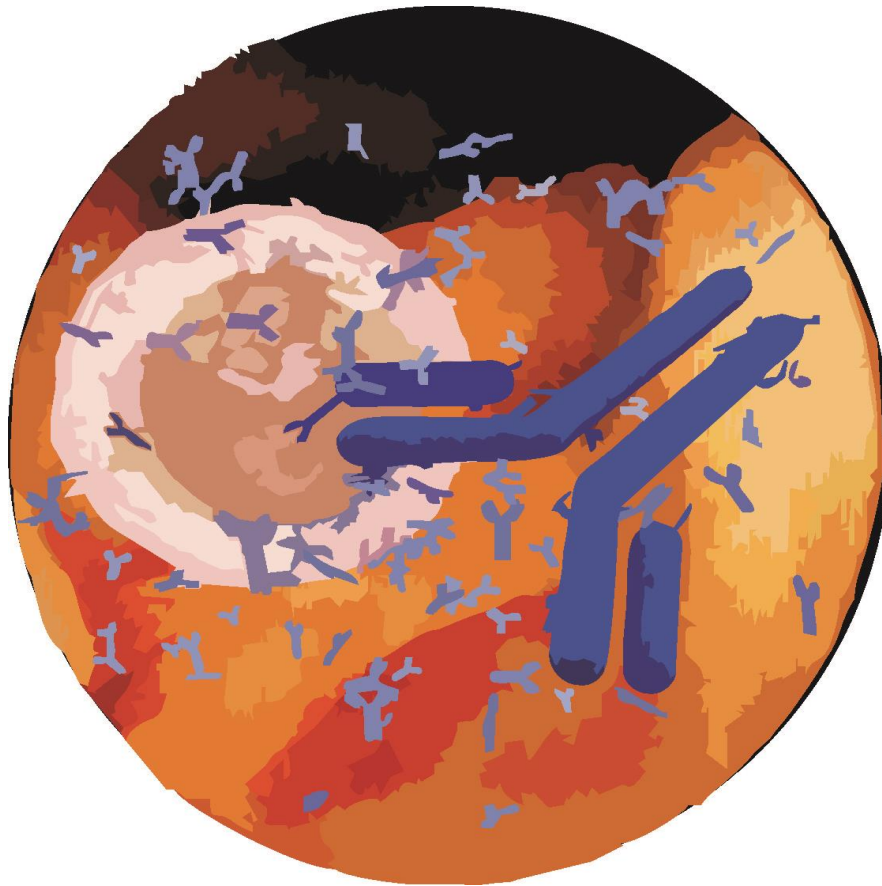


Participants' Camp Winter Semester 2016 / 2017



Program

***Structured Curriculum for MD and PhD students
Molecular Mechanisms of Regenerative Processes***

University Medicine Rostock

14th – 15th of December, 2016

Wednesday, 14th December, 2016

10:30-10:40 **Welcome address** – (tba)
Conference Opening

Session I: Clinical Genome Research and Gene Regulation

(Chair: *M. Sc. Bright D. Danquah*)

10:40-11:40 **Prof. Dr. Hans-Jürgen Thiesen**, Institute of Immunology
From stratification of HRO cancer patients suffering from clear cell renal cellular carcinoma (ccRCC) to Checkpoint-Inhibitor-Response.

11:40-12:00 **M. Sc. Hasan Albony**, Institute of Immunology
Synchronization of HAP1 cells to study PDZ-binding kinase/T-LAK cell-originated protein kinase (PBK/TOPK) activity

12:00-12:20 **M. Sc. Mohannad Al Chiblak**, Institute of Immunology
Determination of transcriptional repression potential for ZNF746 and ZNF777

12:20-13:20 **Lunch Break**

Session II: Affinity Mass Spectrometry

(Dr. *Med. Dent. Vinay V. Kumar*)

13:20-13:40 **M. Sc. Bright D. Danquah**, Proteome Center Rostock
Epitope – Antigen Reactivities probed by Biosensor Analysis and Mass Spectrometry

13:40-14:00 **M. Sc. Loredana-Mirela Lupu**, Steinbeis Center Biopolymer Analysis and Biomedical Mass Spectrometry and Proteome Center Rostock
Development of online-SPR-MS and application to epitope analysis of aptamers

14:00-14:20 **M. Sc. Charles Ayensu Okai**, Proteome Center Rostock
Diagnosis of intra-uterine growth restriction (IUGR) by serum profiling using affinity mass spectrometry

14:20-14:40 **M. Sc. Yannick Baschung**, Steinbeis Center Biopolymer Analysis and Biomedical Mass Spectrometry and Proteome Center Rostock
Biosensor and Mass Spectrometric Approaches to Investigate Sugar–Protein Interactions

Session III: Podium Discussion and PhD Defence

(Chair: *M. Sc. Michael Rabenstein*)

14:40-15:00 **Podium Discussion**
Structured MD and PhD curricula: Pros and cons of structured education for post graduates

Dr. Martin Dube (invited), Ministerium für Bildung, Wissenschaft und Kultur
Mecklenburg-Vorpommern

Prof. Dr. Hans-Jürgen Thiesen, Institute of Immunology

Prof. Dr. Michael O. Glocker, Curriculum committee speaker

15:00-16:00 **M. Sc. Jingzhi Yang**, Proteome Center Rostock
(lecture hall 2/
dentistry) *PhD defense*

Wednesday, 14th December, 2016 - continued

Session IV: Advanced Proteome Research

(Chair: *M. Sc. Markus Wolfien*)

16:00-17:00 **Mr. Daniel Rey**, ProteinSimple

Instrument presentation

17:00-18:00 **Prof. Dr. Simone König**, University of Münster

Dr. Günter Thesseling, Serva GmbH

Comparative 2D Fluorescence Gel Electrophoresis, Introducing standardization to PAGE

18:00-19:00 **Dr. Carsten Lück**, ProteinSimple

The Simple Western

20:00-22:00 **Dinner: Restaurant Stilbruch Rostock**

Thursday, 15th December, 2016

Session V: Cells and Surfaces

(Chair: *M. Sc. Isabel Groß*)

- 09:30-10:30 **Prof. Dr. Nils Kröger**, B CUBE Center for Molecular Bioengineering, TU Dresden,
From Silica Formation in Diatoms to a Synthetic Biology for Biominerals
- 10:30-10:50 **Dr. Med. Dent. Vinay V. Kumar**, Department of Oral Maxillofacial and Facial Plastic
Surgery
*Proteomic signature of regenerated soft tissue over transplanted free fibula flap for
mandibular reconstruction*
- 10:50-11:10 **M. Sc. Michael Rabenstein**, Albrecht-Kossel-Institute for Neuroregeneration
Altered Chloride Conductibility in Purkinje Cells of a NPC1 Mouse Model
- 11:10-11:30 **M. Sc. Luise Borufka**, Department of Medicine, Division of Gastroenterology
Lymphocyte Transfer Experiments
- 11:30-12:30 **Lunch break**

Session VI: From Proteomes to Pathways

(Chair: *M. Sc. Hasan Albony*)

- 12:30-13:30 **Dr. Leonhard Pollack**, Olink Proteomics
*Proseek Multiplex: A Precision proteomics solution for targeted protein biomarker
discovery*
- 13:30-13:50 **M. Sc. Markus Wolfien**, Dept. of Systems Biology and Bioinformatics
Customized workflow development in Galaxy
- 13:50-14:10 **M. Sc. Isabel Groß**, Institute of Anatomy
*Signaling Pathways of Plasticity-related Gene 5 Interactions in Membrane Modification
Processes*
- 14:10-14:30 **M. Sc. Sara Ramminger**, NIED - Neubrandenburg Institute of Evidence-based Dietetics
*Investigations of the genetic variability of the glycolysis pathway and the CoGAP molecules
in humans*
- 14:30-15:30 **Prof. Dr. Michael O. Glocker**, Proteome Center Rostock
Clinical Application of Mass Spectrometric Epitope Mapping
- 15:30-15:40 **Closing remarks and outlook for the next PC**
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Location on Campus:



Ernst-Heydemann-Str. 6, Room 1.214.