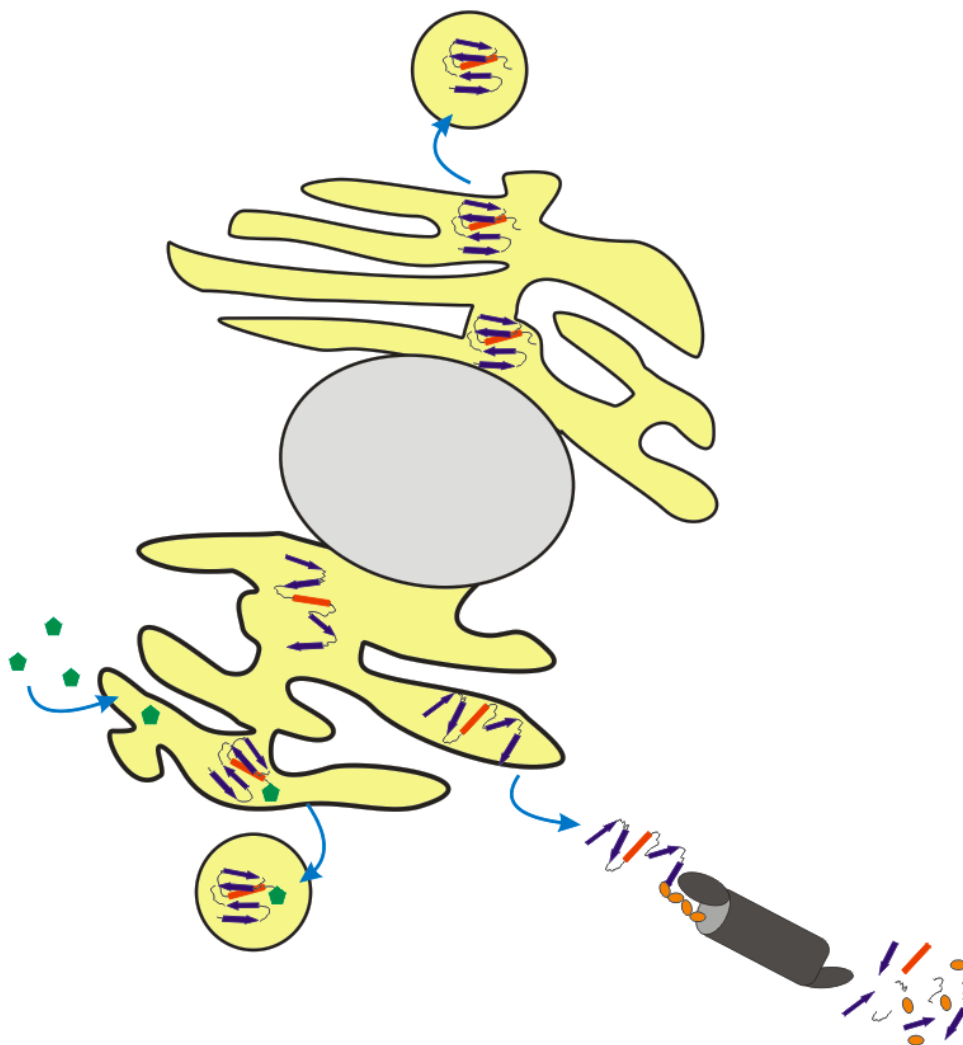


Participants' Camp Summer Semester 2016



Program

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

University Medicine Rostock

29th – 30th of June, 2016

Session I: Cellular Processes

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

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- 09:30-09:50 **Welcome address** – (tbc)
Conference Opening
- 9:50-10:30 **Dr. Moritz J. Frech**, Albrecht-Kossel-Institute for Neuroregeneration
Induced Pluripotent Stem Cells for Disease Modeling and Drug Discovery in Niemann-Pick Type C1 Disease
- 10:30-10:50 **M. Sc. Michael Rabenstein**, Albrecht-Kossel-Institute for Neuroregeneration
Altered Chloride Conductibility in Purkinje Cells of a NPC1 Mouse Model
- 10:50-11:10 **M. Sc. Luise Borufka**, Center for Internal Medicine – Gastroenterology Dept.
Functional Studies Implicate an Imbalanced Activation of Dendritic Cells in the Pathogenesis of Murine Autoimmune Pancreatitis
- 11:10-11:30 **Dr. Med. Dent. Vinay V. Kumar**, Department of Oral Maxillofacial and Facial Plastic Surgery, University Medical Centre of University of Rostock
Comparison of growth & function of endothelial progenitor cells cultured on deproteinized bovine bone modified with covalently bound fibronectin and bound vascular endothelial growth factor
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11:30-13:20 **Lunch Break**

Session II: Clinical Proteome Research

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

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- 13:20-14:00 **Dr. Claudia Röwer**, Proteome Center Rostock
From clinical proteomics to molecular characterization of cancer pathomechanisms
- 14:00-14:20 **M. Sc. Jingzhi Yang**, Proteome Center Rostock
Free-flap Quality Assessment by Multiplexed 2D MRM Mass Spectrometry – Towards Early Risk Prognosis of Free Flap Transplant Failure
- 14:20-14:40 **M. Sc. Bright D. Danquah**, Proteome Center Rostock
Determination of binding affinity for the interaction of anti-RA33 antibody with its epitope peptide using a Love wave biosensor
- 14:40-15:00 **M. Sc. Yelena Yefremova**, Proteome Center Rostock
Intact Transition Epitope Mapping
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- 15:00-16:00 **Coffee break; change location to lecture hall 2 (dentistry)**
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- 16:00-17:00 **M. Sc. Kwabena F.M. Opuni**, Proteome Center Rostock
Ph.D. Defense
(lecture hall 2/
dentistry)
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Session III: Proteins and Surfaces

(Chair: M. Sc. Michael Rabenstein)

17:00-17:40	Prof. Dr. Anja U. Bräuer , AG Molekulare Neurobiologie; Institut für Anatomie <i>Phospholipid modifying Proteins in the brain</i>
17:40-18:00	M. Sc. Isabel Groß , AG Molekulare Neurobiologie; Institut für Anatomie <i>Characterization and Function of Plasticity-related gene 5 and Phosphatidylinositolphosphat interaction</i>
18:00-18:20	M. Sc. Yannick Baschung , Steinbeis Center Biopolymer Analysis and Biomedical Mass Spectrometry, Rüsselsheim, Germany <i>Epitope Identification and Affinity Determination of Aβ- specific Antibodies by online SPR- MS</i>
18:20-18:40	M. Sc. Sarah Zaatreh , Biomechanics and Implant Technology Research Laboratory, Department of Orthopedics <i>Cytotoxicity and Antibacterial Properties of Magnesium Coated Titanium Surfaces</i>

20:00-22:00	Dinner: Restaurant Stilbruch Rostock
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Thursday , 30th June 2016

Session IV: New Concepts for Clinical Research

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

09:30-10:20 **Dr. Ulrike Endesfelder**, Max Planck Institute for Terrestrial Microbiology, Marburg & LOEWE Center for Synthetic Microbiology (SYNMIKRO)
Imaging at a nanoscale – Photoswitching fluorophores for super-resolution microscopy

10:20-10:40 **M. Sc. Mohannad Al-Chiblak**, Institute of Immunology
Dependency of KRAB- mediated transcriptional repression on TRIM28

10:40-11:00 **M. Sc. Hasan Al-Bony**, Institute of Immunology
Mass spectrometric analysis of PBK deficient HAP1 cells

11:00-11:50 **Prof. Dr. Hans-Jürgen Thiesen**, Institute of Immunology
Precision Oncology

11:50-13:00 **Lunch break**

Session V: From Genomes to Regenerative Processes

(Chair: *M. Sc. Kwabena FM Opuni*)

13:00-13:20 **M. Sc. Markus Wolfien**, Dept. of Systems Biology and Bioinformatics
Next Generation Sequencing Data Analysis to Reveal Structural DNA Variations

13:20-13:40 **M. Sc. Praveen Vasudevan**, Reference and Translational centre for Cardiac stem cell therapy
Strategies for increased survival and integration of transplanted cells for cardiac regeneration and biological pacemaker implantation

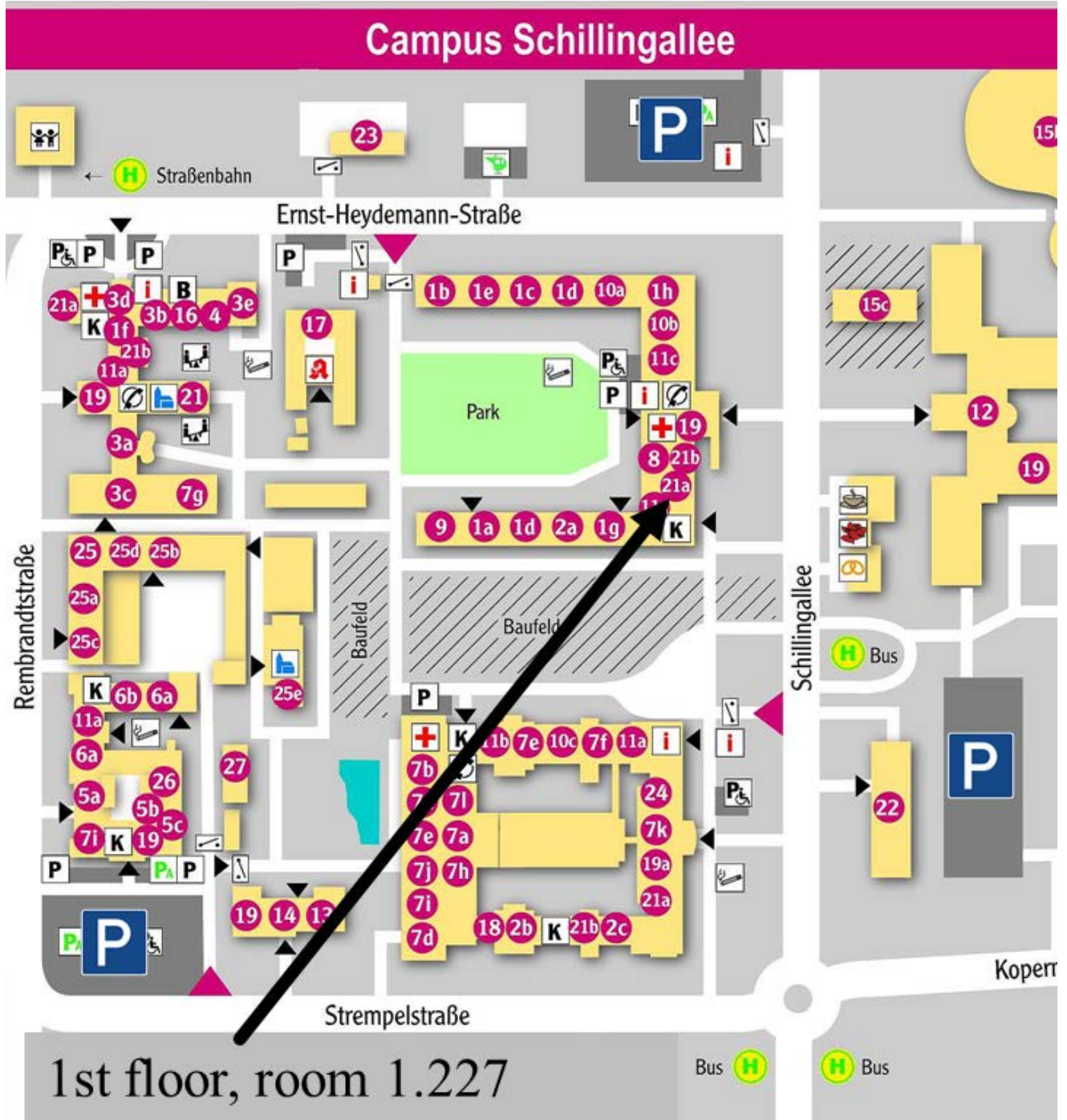
13:40-14:00 **M. Sc. Paula Müller**, Reference and Translational centre for Cardiac stem cell therapy
Different prospects to improve adult stem cell therapy for cardiovascular regeneration

14:00-14:30 **Dr. Charlotte Rasmussen**, University of Washington Bothell, Bothell, WA
COIL seminars: on-line exchange across the Atlantic

14:30-14:40 **Closing remarks**

14:40-15:00 **General issues for MMRP Curriculum members, outlook for the next PC**

Location on Campus:



1st floor, room 1.227
 „Besprechungsraum ZIM“
 Ernst-Heydemann-Str. 6