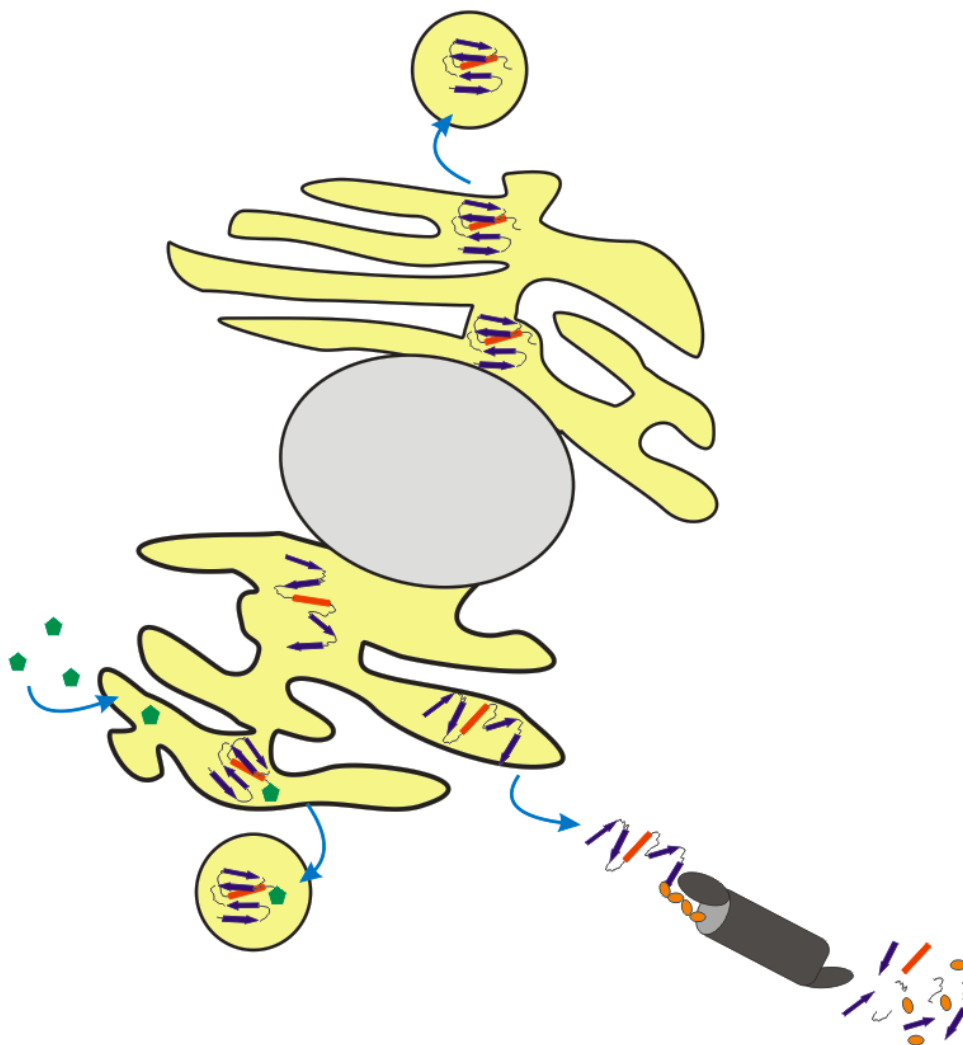


Participants' Camp Summer Semester 2016



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)
<i>Conference Opening</i> |
| 9:50-10:30 | Dr. Moritz J. Frech , Albrecht-Kossel-Institute for Neuroregeneration
<i>Induced Pluripotent Stem Cells for Disease Modeling and Drug Discovery in Niemann-Pick Type C1 Disease</i> |
| 10:30-10:50 | M. Sc. Michael Rabenstein , Albrecht-Kossel-Institute for Neuroregeneration
<i>Altered Chloride Conductibility in Purkinje Cells of a NPC1 Mouse Model</i> |
| 10:50-11:10 | M. Sc. Luise Borufka , Center for Internal Medicine – Gastroenterology Dept.
<i>Functional Studies Implicate an Imbalanced Activation of Dendritic Cells in the Pathogenesis of Murine Autoimmune Pancreatitis</i> |
| 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
<i>Comparison of growth & function of endothelial progenitor cells cultured on deproteinized bovine bone modified with covalently bound fibronectin and bound vascular endothelial growth factor</i> |
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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
<i>From clinical proteomics to molecular characterization of cancer pathomechanisms</i> |
| 14:00-14:20 | M. Sc. Jingzhi Yang , Proteome Center Rostock
<i>Free-flap Quality Assessment by Multiplexed 2D MRM Mass Spectrometry – Towards Early Risk Prognosis of Free Flap Transplant Failure</i> |
| 14:20-14:40 | M. Sc. Bright D. Danquah , Proteome Center Rostock
<i>Determination of binding affinity for the interaction of anti-RA33 antibody with its epitope peptide using a Love wave biosensor</i> |
| 14:40-15:00 | M. Sc. Yelena Yefremova , Proteome Center Rostock
<i>Intact Transition Epitope Mapping</i> |
| 15:00-16:00 | Coffee break; change location to lecture hall 2 (dentistry) |
| 16:00-17:00
(lecture hall 2/
dentistry) | M. Sc. Kwabena F.M. Opuni , Proteome Center Rostock
<i>Ph.D. Defense</i> |
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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:

