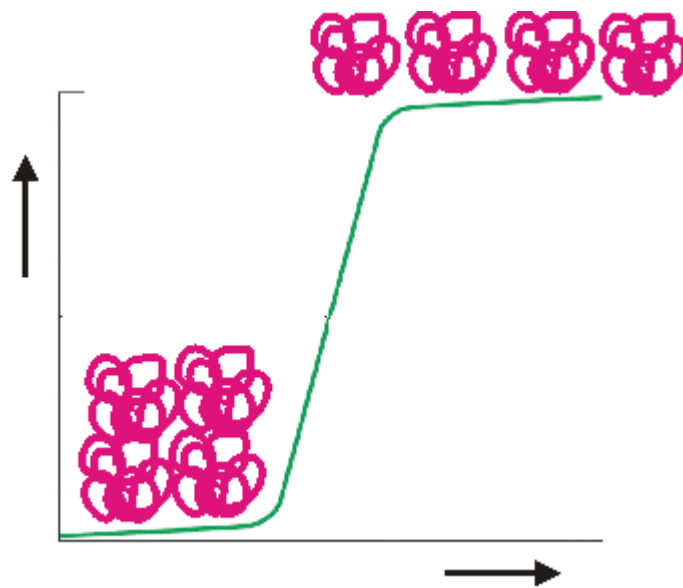


Structured Curriculum for MD and PhD students
University Medicine Rostock

Participants' Camp WS 2014

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9th Proteome Forum – 2014



3rd - 4th of December, 2014

Wednesday, 3rd December 2014

Session I: Stem Cell and Cardiac Regeneration/Molecular Disease Mechanisms

(Chair: Kwabena Opuni)

10:00-12:00	Laboratory Tour Frauke Hausburg , Cardiac Stem Cell Translation Office
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12:00-13:00	Lunch break
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13:00-13:05	Welcome Address
13:05-13:50	Prof. Dr. Robert David , Reference and Translation Center for Cardiac Stem Cell Therapy Stem Cell derived Cardiac pacemaker Constructs
13:50-14:35	Dr. Arash Yavari , The Wellcome Trust Center for Human Genetics, Oxford University PRKAG2 – insights into heart rate regulation
14:35-15:00	Marcus Wolfien , Reference and Translation Center for Cardiac Stem Cell Therapy Next Generation Sequencing Data Analysis of Stem Cell Derived Cardiomyocyte Cell Types
15:00-15:25	Praveen Vasudevan , Reference and Translation Center for Cardiac Stem Cell Therapy Strategies for increased survival and integration of transplanted cells for cardiac regeneration and biological pacemaker implantation
15:25-15:50	Sarah Zaatreh , Department of Orthopedics In-vitro analysis of bacterial colonization and proliferation of human osteoblasts on magnesium surfaces.
15:50-16:15	Martin Jacobs , Proteome Center Rostock Proteome Analysis of Biochemical Pathways and Inflammatory Processes in Traumatized, Ischemic and Healthy Muscle Tissue by UPLC-ESI-IMS- Mass Spectrometry

16:15-17:00	Coffee Break
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17:00-18:00	Prof. Dr. Peter Højrup , University of Southern Denmark Mysteries in proteomics and protein structural analysis? Keep your eyes open - always question your results and be prepared for unusual observations
18:00-19:00	Dr. Günter Böhm , Director of Applications, CTC Analytics AG, Zwingen, Switzerland Automated sample preparation for ´omics applications

19:00-22:00	Dinner , "Zum Alten Fritz", Warnowufer 65, 18057 Rostock
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Thursday, 4th December 2014

Session II: Stem Cell and Cardiac Regeneration/Structural Proteomics

(Chair: Frauke Hausburg)

9:00-10:30

Laboratory Tour

Dr. Cornelia Koy, Proteome Center Rostock

10:45-11:10

Yelena Yefremova, Proteome Center Rostock

Probing Protein Solution Structure by nanoESI-MS

11:10-11:35

K.F.M. Opuni, Proteome Center Rostock

Characterization of Protein Complexes by Native Mass Spectrometry

11:35-12:00

Hasan AL-Bony, Institute of Immunology

Analysis of humoral immune responses to frame shift proteins in renal cancer

12:00-13:00

Lunch break

13:00-13:45

Prof. Dr. Michael Glocker, Proteome Center Rostock

Mass spectrometric characterization of limited proteolysis activity in plasma samples from Rheumatoid Arthritis patients

13:45-14:10

Frauke Hausburg, Reference and Translation Center for Cardiac Stem Cell Therapy

Non-viral introduction of micro-RNA into bone marrow derived CD133⁺ stem cells

14:10-14:35

Paula Müller, Reference and Translation Center for Cardiac Stem Cell Therapy

Reprogramming of bone marrow derived human stem cells into cardiomyocytes using microRNA

14:35-15:00

Natalia Voronina, Reference and Translation Center for Cardiac Stem Cell Therapy

Non-viral targeted delivery of miRNAs for promoted angiogenesis

15:00-16:00

Coffee break

16:00-16:45

Prof. Dr. Armin. Geyer, Philipps-Universität Marburg

Constriction of peptides for the construction of antibody epitopes

16:45-17:00

Closing remarks

19:00-22:00

Dinner, "Restaurant Hopfenkeller", Kröpeliner Straße 18, 18055 Rostock

Location on Campus:

