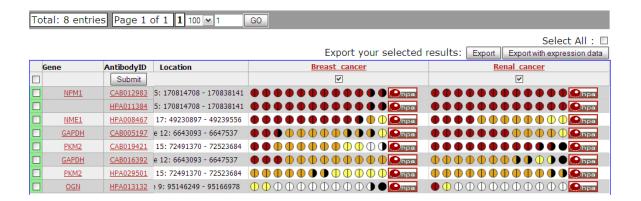






7th Proteome Forum Rostock - 2011



15th to 17th of December, 2011



University of Rostock

Medical Faculty

Proteome Alliance e.V.



Organizers:

M.O. Glocker, Proteome Center Rostock, University of RostockH.-J. Thiesen, Institute of Immunology, University of RostockY. Li, Shanghai Center for BioInformation Technology







Thursday, 15th of December 2011

I. Faculty Research Seminar Controlled gene expression

Chair: H.-J. Thiesen, Rostock Chair: M.O. Glocker, Rostock (Lecture hall, Schillingallee 70)

- 16:00 17:00 **J. Boch**, Martin-Luther-Universität Halle-Wittenberg

 Xanthomonas TALEs a DNA-binding Domain with Programmable Specificity.
- <u>17:00 18:00</u> **Y. Li**, Shanghai Center for Bioinformation and Technology

 Dynamic Conservation of Gene Co-expression and Oncogene
 Deciphering.
- 20:00 22:00 Speakers Dinner







Friday, 16th of December 2011

II.	IRSES - Round table discussion
	Zinc finger gene biology in evolution and disease
	Chair: HJ. Thiesen, Rostock Chair: Y. Li, Shanghai (Seminar room II, Schillingallee 70)
8:30 - 10:00	Rostock (Coordination / zinc-finger biology / protein interactions) Jena (RNA Seq / network modelling) Zürich (Orang Utan genomics / SNPs / phylogeny and brain sizes) Köln (Systems Pathology) Shanghai (Data bases / pathway assignments / web tools)
10:00 – 10:30	Organizing the Sino-German-Meeting, Beijing, in September 2012: Zinc finger biology, stem cells,and systems pathology.
10:30 – 11:00	Break
III.	Oncotheranostics consortium
	From Individual Genomes to Personalized Medicine
	Chair: HJ. Thiesen, Rostock (Seminar room II, Schillingallee 70)
11:00 – 11:15	HJ. Thiesen, Rostock Highlights and Challenges in Oncotheranostics.
11:15 – 11:35	M. Maruschke, Rostock Searching for and Validation of Potential Biomarkers in Renal Cell Carcinoma.
11:35 – 11:55	D. Koczan, Rostock Sequencing of Individual Genomes.
11:55 – 12:15	M. Linnebacher, Rostock Individual tumor models and functional response prediciton.
12:15 – 12:45	General Discussion Perspective of Individual Genomes in Clinical Medicine.
12:45 – 13:30	Lunch Break







Friday, 16th of December 2011

IV.	Plenary Session
	Integrative Science: From 'Omics to Systems
	Chair: M.O. Glocker, Rostock (Seminar room II, Schillingallee 70)
13:30 – 14:15	T. Cathomen / C. Mussolino, Hannover Cut & Paste - Designer Nucleases for Targeted Genome Engineering.
14:15 – 14:45	HJ. Thiesen, Rostock KRAB Zinc-finger Genes in Primate Evolution.
14:45 – 15:15	M. Krützen, Zürich Orang-Utan Genetics / Genomics.
<u>15:15 – 15:45</u>	<u>Break</u>
	Chair: Y. Li, Shanghai (Seminar room II, Schillingallee 70)
<u>15:45 – 16:05</u>	R. Guthke / M. Weber, Jena Module-guided Network Inference, Modelling the Differential Response of hMSC to Chondrogenic Stimulations.
16:05 – 16:25	J. von Kries / E. Specker, Berlin High-throughput Screening of Small Molecules.
<u>16:25 – 16:45</u>	G. Füllen, Rostock Proteomic Analysis of Mouse Oocytes Reveals 28 Candidate Factors of the "Reprogrammome".
16:45 – 17:05	M.O. Glocker, Rostock Identification of Protein Phosphorylation Sites by Mass Spectrometry.
<u>17:05 – 17:30</u>	General Discussion Toponostics and More
<u>19:30 – 21:00</u>	<u>Dinner</u>







Saturday, 17th of December 2011

٧.	M.D. / Ph.D. curriculum - Participants´ Camp
<u>. v</u>	Molecular Mechanisms of Regenerative Processes
	Chair: C. Röwer, Rostock Chair: M.O. Glocker, Rostock (Seminar room BMFZ, Schillingallee 69)
9:00 – 09:15	M.O. Glocker Welcome and Introduction
9:15 – 10:15	B. Grunow (Lübeck); Key note lecture Fish Cell Cultures as a Robust Read-out System in Applied Research.
<u>10:15 – 10:35</u>	C. Röwer Preparation, Refinement and Validation of a Proteome Signature for Invasive Ductal Breast Carcinoma.
<u>10:35 – 10:55</u>	M. Al-Majdoub Mass Spectrometric Epitope Analysis on Ro52, an Autoantigen in Sjögren Disease and Systemic Lupus Erythematosus (SLE).
<u>10:55 – 11:45</u>	All Participants Discussion and Exchange of Experiences between Doctorate Students, Supervisors, and Mentors.
<u>11:45 – 12:05</u>	M. Wölter Characterization of intrauterine growth restriction by mass spectrometric profiling of cord blood samples.
<u>12:05 – 12:25</u>	M. Ludwig Characterization of the CD117+AT2R+ stem cell population with Patch-Clamp.
<u>12:25 – 12:45</u>	S. Zaatreh Evaluation of new anti-microbial implants in two-stage revision of total hip or knee replacement.
12:45 – 13:00	M.O. Glocker

Summary and Farewell