

# APRS-2013 program

**Monday, September 23<sup>th</sup>**

***Location: CCB, 1<sup>st</sup> floor***

15:30 - 16:30      **Registration**

16:30 - 16:45      **Opening**

## **Scientific Session 1: Functional and Clinical proteomics**

*16:45 - 18:40      Chairs: Matthias Rainer, Taras Stasyk*

- Mo1. 16:45-17:35      **Keynote lecture - Siqi Liu** (Beijing, China):  
Integration of genomics and proteomics to dissect the functional mutants in gastric cancer cell lines
- Mo2. 17:35-17:50      *Short talk - Verena Bachmann:* Protein kinase A participates in GTPase signaling
- Mo3. 17:50-18:05      *Short talk - Verena Dullnig:* Differential proteomics of chronic lymphocytic leukemia cells of patients treated with arsenic trioxide
- Mo4. 18:05-18:20      *Short talk - Martin Müller:* Systematic analysis of ESCRT mutants reveals an unexpected role for the MVB pathway in amino acid homeostasis
- Mo5. 18:20-18:40      **Eric B. Haura:** Discovery of novel therapeutic targets in small cell lung cancer through activity-based protein profiling coupled with mass spectrometry

18:45 - 21:00      **Get together**

***Location: CCB, 1<sup>st</sup> floor***

**Tuesday, September 24<sup>th</sup>**

*Location: CCB, 1<sup>st</sup> floor*

**Scientific session 2: Interaction Proteomics**

8:45 - 10:30      *Chair: Keiryn L. Bennett*

- Tu1. 8:45-9:35      **Keynote lecture - Franz Herzog** (Munich, Germany):  
Identifying the Missing Links in Structural Biology and  
Interaction Proteomics
- Tu2. 9:35-9:50      *Short talk: Melanie Six:* A Proteomic Approach to  
Functionally Characterize Genes that Confer Drug Resistance  
in Myeloproliferative Neoplasms
- Tu3. 9:50-10:05      *Short talk: Przemyslaw Filipek:* Novel interaction between  
LAMTOR and BLOC1 complexes
- Tu4. 10:05-10:25      **Jacques Colinge:** Experimental characterization of the  
human non sequencespecific nucleic acid interactome
- 10:25 - 10:50      **Coffee break sponsored by Thermo Scientific**
- Tu5. 10:50-11:15      **Company presentation: Thermo Scientific**  
**Michaela Scigelova:** Ultimate performance mass  
spectrometers for discovery and targeted proteomics  
experiments.
- 11:15 - 12:30      **Poster Session 1** (odd numbers – 1, 3, 5,...)
- 12:30 - 13:30      **Lunch and Posters**  
*Location: CCB, 1<sup>st</sup> floor*

### **Scientific Session 3: Phosphoproteomics and PTMs**

13:30 - 15:05

*Chair: Karl Mechtler*

- Tu6. 13:30-14:20 **Keynote lecture - René Zahedi** (Dortmund, Germany):  
PTMs taking control in cardiovascular diseases and bleeding
- Tu7. 14:20-14:35 *Short talk - André C. Müller:* Improved Precision of Quantitative Ratio Determination in a Targeted Phosphoproteomic Approach
- Tu8. 14:35-14:50 *Short talk - Thomas Taus -* Moving from Phosphorylation Site Localization to Simultaneous Assignment of Different Post-Translational Modifications
- Tu9. 14:50-15:05 *Short talk - Dijana Vitko:* Monitoring the Acetylproteome of T-Cells during Development and Differentiation: What is the Role of HDACs?

15:05 - 15:30

**Coffee break sponsored by Serva**

Tu10.15:30-15:55

**Company presentation: Serva**

**Reiner Westermeier:** New Vertical and Horizontal Electrophoresis Systems and a Novel Highly Sensitive Pre-labelling Fluorescent Dye for Proteins

16:00 - 17:15

**Poster Session 2** (even numbers – 2, 4, 6,...)

17:15-18:45

**AuPA General Assembly**

*Location: CCB, 1<sup>st</sup> floor*

18:45 - 21:00

**Dinner with music**

from Classic to Chansons: **Duo Vagabunt**

*Location: CCB, ground floor*

# Wednesday, September 25<sup>th</sup>

*Location: CCB, big lecture hall, ground floor*

## **Scientific Session 4: joint meeting with 5th ÖGMBT annual meeting and 5th Life Science Meeting Innsbruck**

8:30 - 10:15      *Chair: Lukas A. Huber*

8:30 - 8:45      **Welcome notes**

We1. 8:45-09:30      **Keynote lecture - Michel Desjardins** (Montreal, Canada):  
How Proteomics shaped our understanding of the immune system

We2. 9:30-10:15      **Keynote lecture - Frauke Melchior** (Heidelberg, Germany):  
SUMOylation in oxidative stress response

*Location: CCB, 1st floor*

10:20 - 10:45      **Coffee break sponsored by Waters**

We3. 10:45-11:10      **Company presentation: Waters**  
**Matthew Kennedy:** How Ion Mobility Has Changed The Capabilities Of Modern Mass Spectrometry

## **Scientific Session 5: Proteomics Technologies**

11:10 - 12:25      *Chair: Ruth Birner-Grünberger*

We4. 11:10-11:30      **Karl Mechtler:** Optimized non-linear gradient functions for liquid chromatography in shotgun proteomics

We5. 11:30-11:50      **Oliver Rinner:** Combining high content with high throughput in proteomics using data independent acquisition and targeted data analysis

We6. 11:50-12:05      *Short talk - Martin Fischnaller:* Boron Nitride, a new Material for the Enrichment and Desalting of Peptides Solutions and the Protein Depletion

We7. 12:05-12:25 **Herbert Lindner:** Sheathless Capillary Electrophoresis-Electrospray Ionization-Mass Spectrometry (CESI-MS): A New Technology for the Identification and Quantification of Peptides

12:30 - 13:30 **Lunch**  
*Location: CCB, 1<sup>st</sup> floor*

13:20 - 13:45 **Coffee sponsored by Biocrates**

We8. 13:45-14:10 **Company presentation: Biocrates**  
**Guido Krehbiel:** Metabolic Phenotyping

### **Scientific Session 5: Glycomics and metabolomics**

14:10 - 15:50 *Chair: Christian W. Huck*

We9. 14:10-14:30 **Arnd Ingendoh:** Qualitative and Quantitative Investigation of Glyco-proteoforms from Prostate-specific antigen (PSA) in Healthy and Cancer Samples

We10. 14:30-14:45 *Short talk -* **Laura Neumann:** Isomer specific analysis of mouse brain N-glycans by LC-MS

We11. 14:45-15:05 *Short talk -* **Barbara Darnhofer:** Lipid droplet proteome of murine hepatocytes under nutritional stress

We12. 15:05-15:55 **Keynote lecture - András Guttmann** (La Jolla, CA and Boston, MA):  
ANALYTICAL GLYCOMICS: past, present and future

15:55 - 16:00 **Poster and oral presentation awards**

16:00 - 16:10 **Closing Remarks**