

APRS-2013 program

Monday, September 23th

Location: CCB, 1st 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, 1st floor

Tuesday, September 24th

Location: CCB, 1st 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, 1st 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, 1st floor

18:45 - 21:00

Dinner with music

from Classic to Chansons: **Duo Vagabunt**

Location: CCB, ground floor

Wednesday, September 25th

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, 1st floor

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

We8. 13:45-14:10 **Company presentation: Biocrates**
Guido Krehbühl: 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 Guttman** (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**