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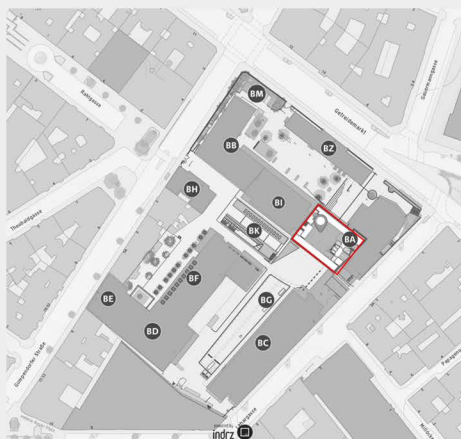
**APMRS**

2025

# Program APMRS 2025



## Venue



### TutthSky

Getreidemarkt 9

BA, 11<sup>th</sup> floor

Registration, exhibition,  
breaks, poster presentation



### Vortmann HS

Getreidemarkt 9

BA, 2<sup>nd</sup> floor

Oral presentations



## Junior Board Stammtisch

APMA Junior Board will organize a warm-up get together  
at the **Trinity Pub** on Thursday evening.  
Round of drinks included. See you there!

Where: Rilkeplatz 3, 1040 Vienna

When: from 18:00

TRINITY  
PUB VIENNA

# Program APMRS 2025

# SESSION 1



## Friday, Sep 12, 2025

Registration **8:00**  
~9:00 Exhibition build up,  
poster hang up,  
welcome coffee

Welcome **9:00**  
~9:15 APMA president:  
Evelyn Rampler,  
University of Vienna

**APMA Junior Board:**  
**Structural, interaction and PTM proteomics**  
Chairs: Sophie Honeder (Technische Universität Wien)  
& Eva Rauch (Medical University of Innsbruck)

Keynote 1 **9:15**  
~10:00 **Ilaria Piazza,**  
Max Delbrück Center for Molecular Medicine, Berlin, Germany: Protein  
structures in context with proteome-wide biophysics

YI award **10:00**  
~10:10 Bioinformatics:  
**Micha J. Birkbauer,**  
University of Applied Sciences Upper Austria, Hagenberg, Austria

Talk 1 **10:10**  
~10:30 **Manuela Schmidt,**  
University of Vienna, Austria:  
Proximity labeling reveals the compartmental proteome of murine sensory neurons

**10:30**  
~11:15 Coffee break  
& exhibition

YI Short talk 1 **11:15**  
~11:30 **Fatma Öykü Elasian,**  
Center of Molecular Medicine of the Austrian Academy of Sciences, Vienna, Austria:  
Immunosuppressive effects of tumor-derived proteins draining into lymph nodes

YI Short talk 2 **11:30**  
~11:45 **Lea Emmy Timpen,**  
University of Innsbruck, Austria:  
Impact of E2F1-BASP1 complex on regulating MYC expression

YI Short talk 3 **11:45**  
~12:00 **Louise Marie Buur,**  
University of Applied Sciences Upper Austria, Hagenberg, Austria:  
Open Modification Search with MS Andrea identifies modifications on PSM level

YI Short talk 4 **12:00**  
~12:15 **Dominik Hofreither,**  
Technische Universität Wien, Vienna, Austria:  
Temporal profiling of cellular responses to nutrient feeding using integrated  
multi-omics in the NIST-CHO reference bioprocess

Gold Sponsor  
short talk **12:15**  
~12:30 **Thomas Bauer,**  
Standard Biotoools  
Proteomics and beyond: Combining protein- and immunoprofiling to reveal  
novel disease insights

**12:30**  
~14:00 Lunch  
& exhibition

# Program APMRS 2025



## Friday, Sep 12, 2025

### Metabolomics, metaproteomics and lipidomics

Chairs: Matthias Schittmayer (Technische Universität Wien)

& Micha Birkbauer (University of Applied Sciences Upper Austria)

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Talk 2	<b>14:00</b> -14:20	<b>Feng Xian</b> , University of Vienna, Austria: Ultra-sensitive metaproteomics reveals host-microbiome functional circuits and therapeutic targets in intestinal inflammation
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YI Short talk 5	<b>14:20</b> -14:35	<b>Amirezza Dowlati Beirami</b> , University of Vienna, Austria The first cut is the deepest: In-depth glycosphingolipid characterization in human mesenchymal stem cells using 2D-LC-HRMS
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YI Short talk 6	<b>14:35</b> -14:50	<b>Lisa Panzenböck</b> , University of Vienna, Austria: MOSS-Modeling Of Slopes and Surrogates-One step closer to quantification in non-targeted metabolomics
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YI award	<b>14:50</b> -15:00	Metabolomics: <b>Lisa Panzenböck</b> , University of Vienna, Austria
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	<b>15:00</b> -15:45	Coffee break & exhibition
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Talk 3	<b>15:45</b> -16:05	<b>Jennifer Kirwan</b> , Max Delbrück, Center for Molecular Medicine, Berlin, Germany: Illumination, indoles and inflammation: how good quality management contributes to better robustness and interpretation of metabolomics data in clinical disease
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<b>Keynote 2</b> SFB Lipid Hydrolysis invited lecture	<b>16:05</b> -16:50	<b>Matej Oresic</b> , University of Turku, Finland: Metabolomic and exposomic signatures of steatotic liver disease
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	<b>16:50</b> -17:50	APMA General Assembly
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	<b>17:00</b> -20:00	<b>Poster Session</b> with Drinks and Finger food (drinks from 17:00, food from 18:00) & exhibition
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# Program APMRS 2025



## Saturday, Sep 13, 2025

Metabolism dependent protein modifications and metabolic tracing  
Chairs: Marcel Kwiatkowski (University of Innsbruck)  
& Lisa Panzenböck (University of Vienna)

**Keynote 3 10:00**  
-10:45 **Ines Heiland,**  
The Arctic University of Norway, Tromsø, Norway:  
Cofactors and protein modifications – dynamics and interdependencies

**10:45**  
-11:30  
Coffee break  
& exhibition

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**Talk 4 11:30**  
-11:50 **Katharina Leithner,**  
Medical University of Graz, Austria:  
Glucose deprivation drives aspartate release from malignant  
and benign lung cells, revealed by stable isotope resolved metabolomics

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**YI Short talk 7 11:50**  
-12:05 **Nadine Bieß,**  
University of Münster, Germany:  
Development of an isotopic labeling approach elucidating metabolic processes  
in murine monocytes under inflammatory conditions

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**YI Short talk 8 12:05**  
-12:20 **Tobias Kipura,**  
University of Innsbruck, Austria:  
Mass Spectrometric Multiplexed Metabolic Phenotyping (M3P) by dual glucose  
and glutamine labeling and FAST RP-HR-MS

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**YI Short talk 9 12:20**  
-12:35 **Nick Sartison,**  
University of Innsbruck, Austria:  
Using multiplexed proteo-metabo-fluxomics to study stress-induced changes  
in hub molecules and protein modifications

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**YI award 12:35**  
-12:45 **Proteomics:**  
**Anna-Sophia Egger-Hörschinger,**  
University of Innsbruck, Austria

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**YI award 12:45**  
-12:55 **Multimomics:**  
**Isabella Burger,**  
Technische Universität Wien, Vienna, Austria

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**12:55**  
-14:25  
Lunch  
& exhibition



# Program APMRS 2025



## Saturday, Sep 13, 2025

**Activity-based proteomics and single cell proteomics**  
Chairs: Tamara Tomin & Ruth Birner-Grünberger (Technische Universität Wien)

Talk 5	<b>14:25</b> -14:45	<b>Anthony Tsarbopoulos,</b> National and Kapodistrian University of Athens, Greece: Metabolomics-based biomarker discovery and molecular mechanism elucidation
YI Short talk 10	<b>14:45</b> -15:00	<b>Tim Thierer,</b> Research Institute of Molecular Pathology, Vienna BioCenter, Austria: Towards scalable single-cell proteomics: A proof-of-concept DIA-TMT workflow for multiplexed low-input analysis
YI Short talk 11	<b>15:00</b> -15:15	<b>Manuel Matzinger,</b> Research Institute of Molecular Pathology, Vienna BioCenter, Austria: Unlocking true biology: Striking the perfect balance of throughput and coverage in single cell proteomics to understand placental development
Society Medal	<b>15:15</b> -15:25	<b>Manuel Matzinger,</b> Research Institute of Molecular Pathology, Vienna BioCenter, Austria
YI Short talk 12	<b>15:25</b> -15:40	<b>Sophie E. Honeder,</b> Technische Universität Wien, Vienna, Austria: Lipid hydrolase downregulation shapes the lipid landscape in Non-Small Cell Lung Cancer
YI Short talk 13	<b>15:40</b> -15:55	<b>Sarah Reindl,</b> Technische Universität Wien, Vienna, Austria: Competitive activity-based protein profiling uncovers off-targets of lipase inhibitors employed in research and clinical development
	<b>15:55</b> -16:40	Coffee break & exhibition
Keynote 4	<b>16:40</b> -17:25	<b>Christopher Chang,</b> Princeton University, USA: Activity-based sensing and proteomics: Leveraging chemical reactivity to decipher biology at the atomic scale
	<b>17:25</b> -17:40	Wrap up & presentation awards
	<b>17:40</b> -22:00	Conference party