

Program

Sunday, November 3rd

12.30 pm – 5.30 pm	Registration	Downstairs Foyer Alte Mensa
1.00 pm – 3.15 pm	Workshop	Adam-von-Trott Hall
		xi Lutz Fischer xiVIEW Martin Graham
1.00 pm – 3.00 pm	Workshop	Emmy-Noether Hall
		Xlink Analyzer Karol Kaszuba
3.00 pm – 3.30 pm	Coffee Break	Upstairs Foyer Alte Mensa
3.30 pm – 5.30 pm	Workshop	Emmy-Noether Hall
		RNPxl Alexander Wulf & Timo Sachsenberg
3.30 pm – 5.30 pm	Workshop	Adam-von-Trott Hall
		HADDOCK Jörg Schaarschmidt
5.30 pm – 6.00 pm	Coffee Break	Upstairs Foyer Alte Mensa
Chair: Henning Urlaub		
6.00 pm – 7.00 pm	Opening Remarks & Keynote	Adam-von-Trott Hall
		Andrej Šali – "Integrative modeling of biomolecular assembly structures"
7.00 pm – 10.00 pm	Welcome Reception	Upstairs Foyer Alte Mensa

Monday, November 4th

8.00 am – 9.50 am **Registration** *Downstairs Foyer Alte Mensa*

Chair: Charlotte Uetrecht

9.00 am – 9.50 am **Keynote** *Adam-von-Trott Hall*

Lan Huang – "Developing Cross-linking Mass Spectrometry to Define Protein Interactions and Structures"

9.50 am – 10.20 am **Talk** *Adam-von-Trott Hall*

Alexander Leitner – "Integrating protein-RNA cross-linking into hybrid structural biology projects"

10.20 am – 10.50 am **Coffee Break** *Upstairs Foyer Alte Mensa*

10.50 am – 11.05 am **Selected Talk** *Adam-von-Trott Hall*

James Pitts – "Using XL-MS to map the interaction of the oncogenic transcription factor N-Myc with a kinase"

11.05 am – 11.35 am **Talk** *Adam-von-Trott Hall*

Nina Morgner – "Membrane proteins and their environments" (p. 18)

11.35 am – 11.50 am **Selected Talk** *Adam-von-Trott Hall*

Claudia Röwer – "Intact Transition Epitope Mapping - Thermodynamic Weak-force Order (ITEM - TWO)"

11.50 am – 12.05 pm **Selected Talk** *Adam-von-Trott Hall*

Rebecca Beveridge – "A synthetic peptide library for benchmarking crosslinking mass spectrometry search engines"

12.05 pm – 12.20 pm **Industry Talk** *Adam-von-Trott Hall*

Thermo Scientific – "Evaluation of FAIMS technology for mass spec analysis of chemical cross-linked peptides"

12.20 pm – 1.20 pm **Lunch Break** *Upstairs Foyer Alte Mensa*

Tuesday, November 5th

Chair: Richard Scheltema

9.00 am – 9.50 am

Keynote

Adam-von-Trott Hall

Tanja Mittag – "Molecular mechanisms underlying phase separation in functional compartmentalization and disease"

9.50 am – 10.20 am

Talk

Adam-von-Trott Hall

Kevin Pagel – "Sugars in the Gas Phase – Novel Techniques to Unravel the Glycocode"

10.20 am – 10.50 am

Coffee Break

Upstairs Foyer Alte Mensa

10.50 am – 11.05 am

Selected Talk

Adam-von-Trott Hall

Eleanor R. Dickinson – "Microfluidic chip for sub-second HDX analysis of challenging proteins"

11.05 am – 11.35 am

Talk

Adam-von-Trott Hall

Juri Rappsilber – "Estimating false-discovery rates of protein-protein interactions (PPI FDR) detected by crosslinking mass spectrometry"

11.35 am – 11.50 am

Selected Talk

Adam-von-Trott Hall

Lolita Piersimoni – "Structural analysis of interaction between lecithin:cholesterol acyl-transferase bound to the apolipoprotein A-I belt of high density lipoprotein particles"

11.50 am – 12.05 pm

Selected Talk

Adam-von-Trott Hall

Nir Kalisman – "Mass spectrometry study of formaldehyde cross-linking"

12.05 pm – 12.20 pm

Industry Talk

Adam-von-Trott Hall

Bruker – "Reproducible and accurate CCS using TIMS as a tool for structural biology"

12.20 pm – 1.20 pm

Lunch Break

Upstairs Foyer Alte Mensa

Chair: Frank Sobott

1.20 pm – 1.50 pm

Talk

Adam-von-Trott Hall

Julien Marcoux – "Study of the largest and most heterogeneous macromolecular complex by HDX-MS, bringing new important mechanistic insights in proteasome regulation"

1.50 pm – 2.05 pm

Selected Talk

Adam-von-Trott Hall

Zdenek Kukacka – "Radical labeling by fluoro-alkyl radicals as novel tool for structural proteomics"

2.05 pm – 2.35 pm

Talk

Adam-von-Trott Hall

Dominic Winter – "Analysis of the lysosomal interactome by cross linking"

2.35 pm – 2.50 pm

Selected Talk

Adam-von-Trott Hall

Franz Herzog – "Studying the assembly of the kinetochore structure by chemical crosslinking and mass spectrometry"

2.50 pm – 3.05 pm

Industry Talk

Adam-von-Trott Hall

MS Vision – "ECD - a powerful tool for the fragmentation of intact proteins under denaturing & native conditions"

3.05 pm – 3.40 pm

Coffee Break

Upstairs Foyer Alte Mensa

3.40 pm – 5.40 pm

Workshop

Adam-von-Trott Hall

MeroX (p.45)

Andrea Sinz

Claudio Iacobucci

Michael Götte

6.30 pm – 10.00 pm

Conference Dinner

Adam-von-Trott Hall

doors open 6.15 pm – **admission only with name card!**

welcome and buffet opening 6.45 pm

Wednesday, November 6th**Chair: Carla Schmidt****9.00 am – 9.50 am** **Keynote** *Adam-von-Trott Hall*

Neil Kelleher – "From single ion proteomics to protein complexes: The denaturing and native modes of Top-Down mass spectrometry"

9.50 am – 10.20 am **Talk** *Adam-von-Trott Hall*

Bettina Warscheid – "From molecular recognition to cellular function: Pex5p receptor phosphorylation regulates import of proteins into peroxisomes"

10.20 am – 10.50 am **Coffee Break** *Upstairs Foyer Alte Mensa***10.50 am – 11.20 am** **Talk** *Adam-von-Trott Hall*

Florian Stengel – "Optimized parameter settings enhance proteome-wide formation of crosslinks on low-abundant proteins"

11.20 am – 11.50 am **Talk** *Adam-von-Trott Hall*

Paola Picotti – "Proteomes in 3D"

11.50 am – 12.20 pm **Community Meeting** *Adam-von-Trott Hall***12.20 am – 13.00 pm** **Closing Remarks** *Adam-von-Trott Hall*