

Session Program

Aug 25 - 29, 2025

3rd International Top-Down Proteomics Symposium

Short Course 1: Top-Down Proteomics

Lecture Hall D, VMP 6 / Philturm
Von-Melle-Park 6 20146 Hamburg

Mon, August 25

9:00 AM

Short Course 1: Top-Down Proteomics

Session | **Location:** Lecture Hall F, VMP 6 / Philturm, Von-Melle-Park 6 20146 Hamburg

9:00 – 9:30 AM **Proteoforms - Introduction (Hartmut Schlüter)**

9:30 – 10:00 AM

Analysis of proteoforms in tissues - Sampling and homogenization (Hartmut Schlüter)

10:00 – 10:30 AM **Sample preparation for top-down proteomics (Andreas Tholey)**

10:30 – 11:00 AM **Coffee Break**

11:00 – 11:30 AM

Liquid chromatography for proteoform fractionation (Hartmut Schlüter)

11:30 AM – 12:00 PM **Concepts and implications for TD/MD MS (Yuri Tsybin)**

12:00 – 1:30 PM **Lunch**

1:30 – 2:15 PM

Data processing - concepts and implications for TD/MD MS (Yuri Tsybin)

2:15 – 3:00 PM

Mass spectrometry of intact proteins & Fragmentation of proteoforms (Bente Siebels & Maria Riedner)

3:00 – 3:30 PM **Coffee Break**

3:30 – 5:00 PM

Charge Detection for Deep Proteoform Characterization (Neil Kelleher)

5:00 PM

Tue, August 26

8:30 AM

Short Course 1: Top-Down Proteomics

Session | **Location:** Lecture Hall F, VMP 6 / Philturm, Von-Melle-Park 6 20146 Hamburg**8:30 – 9:15 AM Biotherapeutics - Analysis of therapeutic proteins (Yuri Tsybin)****9:15 – 10:00 AM Bioinformatics - spectral deconvolution (Kyowon Jeong)****10:00 – 10:30 AM Coffee Break****10:30 – 11:15 AM****Bioinformatics of TD/MD MS: use of FLASHApp (Kyowon Jeong, Tom Müller)****11:15 AM – 12:00 PM****Adapting de novo sequence inference to top-down proteomics (David Tabb)****12:00 – 1:00 PM Lunch break**

1:00 PM