Proteome Discoverer Workshop

Data processing with **CHIMERYS** search engine

April 9, 2024

London   13:00 – 16:30
Berlin   14:00 – 17:30

You are being invited to join a virtual **Proteome Discoverer Workshop** delivered via Microsoft Teams.

The workshop is designed to get **current active users** updated with new features in Thermo Scientific™ Proteome Discoverer™ (PD) sw package, with primary focus on CHIMERYS search engine.
The on-line session will feature introduction to CHIMERYS, overview of its main parameters, recommended settings for different types of experiments, and hands-on exercises.

Having the most recent PD 3.1 version (Demo license sufficient) would be advantageous. Demo access to CHIMERYS Cloud service could also be obtained. Details will be provided shortly after the registration deadline, together with the links to the training session and download of the training materials.

Registration deadline April 3, 2024.

The sessions will be recorded, and recordings made available to all registered participants.

Please register using the link below.

Registration link

Learn more at **thermofisher.com/proteomediscoverer**
or email us at **Pd.support@thermofisher.com**

thermo scientific

Agenda

Part 1

Introducing CHIMERYS search engine

Daniel Zolg/Martin Frejno (MSAID)

The problem of chimeric spectra
Spectrum-centric deconvolution of chimeric spectra
The CHIMERYS workflow
Exemplary results for DDA data
Contribution-based quantification in MS2
Exemplary results for PRM data
Exemplary results for DIA data
How to properly compare search engines

Part 2
Identifications with CHIMERYS
Michaela Scigelova (ThermoFisher Scientific)
CHIMERYS node in PD
Discussion of parameters
Search space considerations
Processing time considerations
Hands-on session (Hela sample, Q Exactive; Study setup; Sequest x CHIMERYS comparison)

Part 3
Quantitation with CHIMERYS
Michaela Scigelova (ThermoFisher Scientific)
Match-between-runs
CHIMERYS inclusion file
Hands-on session (DIA three-proteome mix, Exploris 240; Study setup; CHIMERYS results review)
Tips&Tricks&Bugs

About the presenters:

Martin Frejno In his role as Chief Executive Officer, Martin is responsible for the long-term strategy of MSAID. He is based in Cologne, Germany.

Daniel Zolg In his role as Chief Operating Officer, Daniel oversees the operations at MSAID. He is based in Garching, Germany.

Michaela Scigelova provides customer support to Proteome Discoverer users. She has been working at Thermo Fisher Scientific at various roles since 2000. She is based in Bremen, Germany.