



Training School for HDX (Hydrogen - Deuterium Exchange)

Date: 23.10.2017, 13:00 am – 5.00 pm

Location: GMI Seminar room (orange floor)

13:00 - 13:45 - Welcome & Introduction (Kasper Rand, UCPH) – HDX-MS:

What is it and what can you it do for you?

13:45 - 14:15 - How to successfully perform a HDX-MS experiment (Eleanor Dickinson, UCPH)

- Sample preparation
- Solvent choice
- Chromatography considerations
- Quench pH considerations
- Data processing

14:15 - 15:00 - Vendor presentation (Malcolm Anderson, Waters) – Waters HDX-MS technology – technical specifications and performance, troubleshooting and data processing

15:00 - 15:20 Coffee break

15:20 - 16:05 - Advanced HDX-MS methodology and troubleshooting (Kasper Rand, UCPH)

- Enzyme choice
- Back exchange
- IMMS
- Fragmentation
- Mass resolution
- Manual vs. automated sampling methodology
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16:05 - 16:50 - Vendor presentation (Terry Zhang, Thermo) – Thermo HDX-MS technology – technical specifications and performance, troubleshooting and data processing

16:50-17:00 – Closing comments

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“Native Mass Spectrometry and Related Methods for Structural Biology”