



FIRST ANNUAL MEETING and WORKSHOP

15th - 18th May 2018 - University of Copenhagen - Denmark

Tuesday, 15th May 2018

Scientific meeting and Supervisory board meeting

10.00-10.15 Welcome

Kasper Dyrberg Rand - University of Copenhagen, Denmark

10.15-10.30 Plan for VADEMA project

Kasper Dyrberg Rand - University of Copenhagen, Denmark

10.30-11.15 ESR4 Presentation

Valeria Calvaresi (ESR4) - University of Copenhagen, Denmark

11.30-12.30 Lunch (with smørrebrød in a typical danish restaurant)

12.30-13.15 ESR2 Presentation

Susanne Ständer (ESR2) - University of Copenhagen, Denmark

13.15-14.00 ESR1 Presentation

Andreas Redstead (ESR1) - GlaxosmithKline Vaccines s.r.l., italy

14.00-14.45 ESR3 Presentation

Laura Rokkedahl Grauslund (ESR3) - GlaxosmithKline Vaccines s.r.l., italy

15.00 Supervisory board meeting

15.00 Students prepare for practical workshop (study lab protocols and calculations)



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Wednesday, 16th May 2018 - Day I

First "Structural Mass Spectrometry & Vaccinology" Workshop

Topic: Hydrogen/Deuterium Exchange-Mass Spectrometry (HDX-MS)

09.00-10.00 Students prepare for practical workshop (study lab protocols and calculations)

10.00-11.00 Practical work: HDX Labelling - part 1 (introduction to lab)
Ingvar Rúnar Möller - University of Copenhagen, Denmark

11.15-12.00 Introduction - HDX-MS: What is it and what can it do for you?
Kasper Dyrberg Rand - University of Copenhagen, Denmark

12.00-14.00 *Networking lunch* (picnic in the park, with sandwiches and drinks)

14.00-14.45 How to successfully perform a HDX-MS experiment (Sample preparation, Solvent choice, Chromatography considerations, Quench pH considerations, Data processing)
Kasper Dyrberg Rand - University of Copenhagen, Denmark

15.00-17.00 Practical work: HDX Labelling - part 2
Ingvar Rúnar Möller - University of Copenhagen, Denmark

Thursday, 17th May 2018 - Day II

09.30-10.30 Advanced HDX-MS methodology and troubleshooting (Enzyme choice, Back exchange, IMMS, Fragmentation etc.)
Kasper Dyrberg Rand - University of Copenhagen, Denmark

10.30-11.30 HDX-MS methodology for membrane proteins
Ingvar Rúnar Möller - University of Copenhagen, Denmark

12.00-13.00 *Lunch* at the canteen

13.00-17.00 Practical work

- **LC-MS theory and system suitability test**
Kasper Dyrberg Rand - University of Copenhagen, Denmark
Ingvar Rúnar Möller - University of Copenhagen, Denmark
- **G2/G2 Si - HOW TO PERFORM: Detector Tuning, Calibration**
Thara Qais Hussein - University of Copenhagen, Denmark
- **Students run their labelled samples**
Valeria Calvaresi - University of Copenhagen, Denmark



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Friday, 18th May 2018 - Day III

09.00-12.00 Practical work: PLGS + DYNAMX

Kasper Dyrberg Rand - University of Copenhagen, Denmark

Ingvar Rúnar Möller - University of Copenhagen, Denmark

12.00-13.00 *Lunch* at the canteen

13.00-14.00 Students organize results and make a presentation all together

14.00-15.00 Students present their results - discussion about back-exchange

18.00 Gran finale: networking dinner in the lab