

PPI workshop agenda

February 8th Day 1 (9.00 – 15.00) (CET)

9.00 – 10.20

OPENING OF THE PPI WORKSHOP

Christophe Tatout and Marta Koblowska

+ ***PRESENTATION OF THE PARTICIPANTS*** (2-3 minutes per Participant)

10.30 – 14.45

MASS SPECTROMETRY METHODS TO INVESTIGATE PROTEIN-PROTEIN INTERACTIONS

10.30 - 12.00 Vicente Rubio, 1st part: Introduction to proteomics (in plants) + A case study from research project

12.00- 12.30 lunch break

12.30 – 14.00 Vicente Rubio and Monica Rojas Triana, 2nd part: Hands-on training in AP-MS data analysis, filtering and PPI search tools.

14.00 – 14.15 coffee break

14.15- 14.45 Rafał Archacki: Bromodomain-containing proteins are subunits of Arabidopsis SWI/SNF chromatin remodeling complexes - case study

February 9th Day 2 (9.00-13.45)

BIOPHYSICAL METHODS TO INVESTIGATE PROTEIN-PROTEIN INTERACTIONS

9.00 – 10.00 Marcin Nowotny, Overview of the methods used to study protein-protein interactions and introduction to cryo-electron microscopy - lecture

10.00 - 10.45 Mariusz Czarnocki-Cieciura, 1st part: Size-Exclusion Chromatography coupled to Multi-Angle Light Scattering (SEC-MALS) – a powerful tool for characterization of macromolecular complexes - seminar

10.45 - 11.00 coffee break

11.00 - 11.45 Mariusz Czarnocki-Cieciura, 1st part: Size-Exclusion Chromatography coupled to Multi-Angle Light Scattering (SEC-MALS) – a powerful tool for characterization of macromolecular complexes - data analysis

11.45 – 12.15 lunch break

12.15 – 13.45 Marta Wiśniewska, Introduction to Microscale Thermophoresis - seminar and data analysis

February 10th Day 3 (9.00-17.00)

PPI PREDICTION and MODELING

9.00-10.00 Piotr Zielenkiewicz, Computer modeling of the protein structure and interactions – lecture

10.00 – 11.30 Alessandra Carbone, Ab initio PPI predictions from sequences and structures - lecture

11.30 - 11.45 coffee break

11.45 - 13.45 Alessandra Carbone, Laurent David, Yasser Mohseni Behbahani, PPI prediction from sequences and structures – hands-on training

13.45 – 14.15 lunch break

14.15- 15.45 Elodie Laine, Mutational scanning predictions – seminar and hands-on training

15.45-16.00 coffee break

16.00-17.00 Christopher Tatout Round-table discussion