Novel Proteomics Tools: Identifying PTMs
Provinciehuis Leuven, 5 October 2017

Scientific committee
Lennart Martens (VIB-UGent Center for Medical Biotechnology)
Stuart Maudsley (VIB-UAntwerp Center for Molecular Neurology)
Anna Sablina (VIB-KU Leuven Center for Cancer Biology)

09h30-09h35 Welcome

SESSION 1: TOPIC 1 PROTEOMICS

09h35-10h10 Trainer 1 Francis Impens, VIB Proteomics Expertise Center, Ghent, BE
MS-based proteomics to investigate proteins and their modifications

10h10-10h45 Trainer 2 Alex von Kriegsheim, MRC Institute of Genetics and Molecular Medicine, University of Edinburgh, UK
Cause and Effect: Identifying PTMs and how they regulate protein-protein and signalling networks

10h45-11h15 Coffee

SESSION 2: TOPIC 2 BIO-INFORMATICS FOR ANALYSIS OF MODIFIED PEPTIDES

11h15-11h50 Trainer 4 Marc Vaudel, Department of Clinical Science, University of Bergen, NO
Suggested title: PTM Identification and Localization from MS Proteomics Data

11h50-12h25 Trainer 3 Veit Schwämmle, Department of Biochemistry and Molecular Biology, University of Southern Denmark, Odense, DK
Quantification and cross-talk of post-translational modifications

12h25-13h30 Lunch
SESSION 3: TOPIC 3 PTM IMAGING AND DETECTION

13h30-14h05 Trainer 5 Ola Söderberg, Department of Pharmaceutical Biosciences, University of Uppsala, SE
Molecular tools for analysis of cell signaling in situ.

14h05-14h40 Trainer 6 Rudi Beyaert, VIB-UGent Center for Inflammation Research, Ghent, BE
Suggested title: Study of different types of ubiquitination

14h40-15h15 Trainer 7 Yifat Merbl, Department of Immunology, Weizmann Institute of Science, IL
Tentative title: PTM profiling – revealing a novel dimension in molecular and clinical diagnostics

15h15-15h45 Coffee

SESSION 4: TOPIC 4 HIGH-THROUGHPUT ASSAYS FOR PTM DETECTION

15h45-16h20 Trainer 8 Markus Templin, Natural and Medical Sciences Institute (NMI), University of Tübingen, DE
Profiling of cellular signal transduction using bead-based Western-blotting

16h20-16h55 Trainer 9 Lauren Ball, Proteomics Center, Medical University of South Carolina, US
Suggested title: Monitoring intracellular protein O-GlcNAc modifications