



# Turku Proteomics Course

## A walk-through from basics to advanced techniques

### at the Turku Proteomics Facility

September 15 – 19, 2014

This 5-day course will include both hands-on exercises and lectures on mass spectrometry based proteomics techniques. The aim of the course is to provide basic knowledge of designing a proteomics experiment and to offer laboratory training in sample preparation for MS analyses, basic MS operation procedures and data interpretation. In addition, the course will provide theoretical background in current approaches in proteomics, including SRM, SWATH MS and protein phosphorylation analysis.

The course is aimed for graduated students and early-stage postdocs. No previous knowledge of mass spectrometry is required.

#### Topics:

- Sample preparation (digestion) from gels and 'in solution'
- Sample analysis by LC-ESI-MS/MS
- Database searching by Mascot
- Peptide separation by chromatography
- Analysis of post-translational modifications
- Quantitative targeted proteomics



#### Course Details

<b>Location</b>	Turku Centre for Biotechnology, Turku, Finland
<b>Duration</b>	5 days
<b>Organisation</b>	Turku Proteomics Facility
<b>Contacts</b>	Anne Rokka or Susanne Nees (e-mail: <a href="mailto:firstname.surname@btk.fi">firstname.surname@btk.fi</a> ) +358 2 3338604
<b>Address</b>	Turku Centre for Biotechnology, BioCity 5th floor, Tykistökatu 6, 20520 Turku
<b>Course fee</b>	490 € (does not include VAT, accommodation nor lunches)
<b>Registration</b>	Registration is closed. The course is fully booked.
<b>More information</b>	<a href="http://www.btk.fi/proteomics/events/">http://www.btk.fi/proteomics/events/</a>