

Course: Bioinformatics for Proteomics

The Proteomics Unit at the University of Bergen (PROBE), Norway

May 12th – 15th 2014

We are thrilled to invite you to our "Bioinformatics for Proteomics"-course to be held in beautiful Bergen May 12th – 15th at the Proteomics Unit at the University of Bergen (PROBE). For more information about the location and the course please visit: www.probe.uib.no.

The course will include lectures and practicals on open access software for the analysis of mass spectrometry generated proteomics data. Among the tools covering both protein identification and quantification are: SearchGUI, PeptideShaker, MaxQuant, Perseus and Skyline.

Topics Covered: *How to pick the right software? How to interpret the results? What is a protein database? How do I convert raw mass spectrometry data to the required formats? What is a proteomics search engine and how do they work? What is protein inference and why is it important? How do I validate my proteomics results? What is functional analysis of proteomics data? How do I share and reprocess proteomics data? What experimental design considerations do I need to take into account? What are the options for quantifying proteins and when should they be used?*

Special Guest Lecture: "Introduction to mass spectrometry based proteomics" by Prof. Dr. Lennart Martens from Ghent University and VIB, Ghent, Belgium.



Photo: Bergen Tourist Board - Willy Haraldsen



Photo: Department of Biomedicine, UoB

Registration: Applications should include: short CV with information about your background in proteomics and why you would like to attend the course. Course fee: NOK 5000, including all lunches and the course dinner. The participants have to arrange their own travelling and accommodation, and should bring their own PC (not Mac) to the course with the relevant software pre-installed. A list of software and links for downloading will be given to the participants before the course. Maximum number of participants: 20. Applications should be sent to frode.berven@biomed.uib.no no later than April 4th 2014.