

Swiss Proteomics Society

2006 Interactive Training Initiative



Applied Proteomics – Tips & Tricks

on-site applied training course with international debriefing workshop

Training Course Proposal Form

Proposed Title : Shotgun Isoelectric Focusing peptides analysis
Brief Description (100 words max.): The training aims to present the power of Isoelectric Focusing (IEF) separation for peptides analysis and proteins identifications. The high resolving power of focalisation, the benefit on hydrophobic proteins analysis and quantitative aspects will be demonstrated. The use of high automation (IEF fraction cutting, LC spotting, digestion) for high throughput analysis will be presented. Briefly, the method consists in whole protein digestion and purification, separation of peptides by their isoelectric point (pI), extraction of focalized peptides followed by reverse phase LC and MALDI-TOF/TOF analysis. MS/MS data files are submitted to identification using bioinformatics tools such as Phenyx software (from GeneBio). All these steps will be approached.
Location (Institute name and town): BPRG, Medical University Centre, Geneva
Maximum number of participants (2-10): 3 persons
Duration (1-5 days): 3
When (proposed dates between September 18 and November 24, 2006): Tuesday 3 to Thursday 5 th October If it not suits, every Tuesday to Thursday except week 42, 43 & 44
Organising laboratory: Biomedical Proteomic Research Group
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