

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: Multidimensional (on-line/off-line) LC-MS/MS analysis in combination with gas phase fractionation for increased depth in proteome analysis of milk.
Brief Description (100 words max.): The objective of this training is to introduce and compare the techniques of on-line and off-line 2DLC-MS/MS (SCX – reversed phase C18 nanoLC coupled to ion trap MS) for shotgun proteome analysis of milk. Milk is a highly complex sample, analytically similar to plasma, with a wide dynamic range of protein concentrations. The high resolving power of the two orthogonal separation techniques will be enhanced by using gas phase fractionation (GPF): narrow but overlapping mass ranges are scanned in several runs of the same sample. All tandem MS results are combined for database searches and protein identification.
Location (Institute name and town): Nestlé Research Centre, Vers-chez-les-Blanc, Lausanne
Maximum number of participants (2-10): 2
Duration (1-5 days): 2
When (proposed dates between September 18 and November 24, 2006): any Thursday/Friday from week 43 to 47
Provisional budget (if necessary):
Organising laboratory: Functional Genomics Group, Nestlé Research Centre
Contact person: Michael Affolter
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