

# MS bioinformatics analysis for proteomics

21st, 22nd, 23rd January 2008

Wednesday 21st January, 2008

10:00 - 12:00	1. Protein Databases 2. Practical session in databases	SM SM
12:00 - 12:30	Coffe break	
12:30 - 12:50	3.1 Mass Spectrometry introduction 3.2 Signal processing	BC BC
12:50 - 13:30	4.1 PMF - Scores 4.2 PMF - Search engines	BC BC
13:30 - 14:30	5.1 PFF - Fragmentation 5.2 PFF - Ion Types in MS/MS	BC BC
14:30 - 16:00	Lunch	
16:00 - 17:00	5.3 De novo sequencing and tools	BC
17:00 - 18:00	5.4 Practical session: de novo tools	PN, SM

Part 1: Protein Databases
Part 2: Protein Identification
Part 3: Data validation
Part 4: Data integration
Part 5: Quantitation

Thursday, 22st January, 2008

9:30 - 10:30	6. Basic Statistical concepts	JV
10:30 - 11:30	7. Practical session in MS and MS/MS searches	PN, SM, BC
11:30 - 12:00	Coffe break	
12:00 - 13:00	7. Practical session in MS and MS/MS searches	PN, SM, BC
13:00 - 14:30	8. Standards in Proteomics	SM
14:30 - 16:00	Lunch	
16:00 - 17:00	9. Probability Ratio	PN
17:00 - 17:30	10.1 Scoring in database search engines	PN
17:30 - 18:00	10.2 Practical session: Trans Proteomics Pipeline (TPP)	SM

Friday, 23rd January, 2008

9:30 - 11:30	11. Protein Repositories 12. Annotations	AM AM
11:30 - 12:00	Coffe break	
12:00 - 14:00	13. Quantitation methods introduction 14. Quantitation tools	PN PN
14:00 - 15:30	Lunch	
15:30 - 17:30	14. Quantitation tools 15. Statistics for quantitation	PN PN

## Teaching Staff:

Pedro Navarro (PN)  
Salvador Martínez (SM)  
Benito Cañas (BC)  
Alberto Medina (AM)  
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