

Hands on Course Program

	Practical Exercise in the laboratory
	Tutorial
	Data treatment Tutorial

Monday 13

9:00	9:30	Registration and coffee	
9:30	10:00	Introduction, Overview and Perspective	G. Theodoridis
10:00	11:00	Chromatographic modes in metabolomics and lipidomics	H. Gika, F. Michopoulos, C. Virgilou, P. Vorkas
11:00	11:30	Break	
11:30	13:00	LC-MS. Method Development. Challenges	C. Virgiliou, D. Diamantidou, O Begou
13:00	14:00	LUNCH	
14:00	16:00	LC-MS/MS analysis	C. Virgiliou, D. Diamantidou
16:00	16:30	Break	
16:30	17:00	LC-MS/MS analysis	C. Virgiliou, D. Diamantidou

Tuesday 14

9:00	11:00	NMR in metabolomics, extraction,	Jan Schripsema
11:00	11:30	Break	
11:30	13:00	Metabolite lipid identification by MS*	Panagiotis Vorkas
13:00	14:00	LUNCH	
14:00	15:45	GC-MS Analysis, Sample Preparation and	O. Deda, Olga Begou
15:45	16:15	Break	
16:15	18:15	GC-MS analysis and data mining	A. Orfanidis, O. Deda, Olga Begou

Wednesday 15

9:00	11:00	Data preprocessing. XCMS *	M. Witting
11:00	11:30	Break	
11:30	13:00	MetID *	M. Witting
13:00	14:00	LUNCH	
14:00	16:00	MetID lipidomics *	P. Vorkas
16:00	16:25	Break	
16:25	17:40	Basics multivariate data analysis*	Filippos Michopoulos
17:40	18:00	Closure wrap-up	

* Participants should bring their laptop