11^{th} CERMAX practical course on basic NMR Oeiras, $9^{th} - 13^{th}$ July, 2018

Program

9 th of July		
14.00 – Introduction to NMR spectroscopy.		PL (Room 3.20)
15.30 – <i>Break</i>		,
15.50 – Instrumental aspects of the spectrometer /Rules for spectrometer use.		HM (Room 3.20)
16.30 – Spectrometer Guided tour and sample preparation		HM (NMR Lab)
10 th of July		
9.30 – 1D Acquisition and processing		PL (Room 3.20)
10.15— Introduction to 2D NMR spectroscopy (Homonuclear correlation)		PL (Room 3.20)
11.00 – Break		
11.30 – The Nuclear Overhauser Effect		ROL (Room 3.20)
12.30 – Lunch break		
14.00 – Heteronuclear correlation for small molecule		<i>PL</i> (Room 3.20)
15.00 – Protein assignment and structure		<i>PL</i> (Room 3.20)
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11 th of July		
9.30 – The paramagnetic effect and metalloproteins		ROL (Room 3.20)
10.15 – Residual Dipolar Couplings and disordered pro	oteins	<i>TC</i> (room 3.20)
11.00 – Break		
11.15 – Practical session I		PL, HM,IT , TC
Acquisition (1D, presat, p90, APT)	Processing and analyzing 1D (N	vivik Spect and wS)
13.30 – Lunch break		DI UNA IT TO
14.30 – Practical sessions I (cont)		PL, HM, IT, TC
12 th of July		
9.30 – NMR and Metabolomics/ Quantitative NMR		<i>LG</i> (Room 3.20)
11.00 – <i>Break</i>		20 (
11.15 – Practical session II		PL, HM, LG, TC
Acquisition (COSY, HSQC)	Processing and analyzing 2D (N	
13.30 – Lunch break	3, 1, 1, 7	,
14.30 – Practical sessions II (cont)		PL, HM,LG , TC
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13 th of July		
9.30 – Assignment strategies in small molecules (tuto	orial and exercises)	PL (Room 3.19)
10.45 – Break		
11.15 – Assignment strategies (cont)		PL (Room 3.19)
13.00 – Lunch break		
14.00 – Practical session III		PL, HM
	Acquisition exercises (NMR Spect and WS)

Faculty:

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