12th CERMAX practical course on basic NMR Oeiras, 8th – 12th July, 2019

Program

8 th of July	
14.00 – Introduction to NMR spectroscopy.	PL (Room 3.20)
15.30 – Break	
15.50 – Instrumental aspects of the spectrometer /Rules for	
16.30 – Spectrometer Guided tour and sample preparation	HM (NMR Lab)
9 th of July	
9.30 – 1D Acquisition and processing	PL (Room 3.02)
10.15— Introduction to 2D NMR spectroscopy (Homonuclea	
11.00 – Break	72 (10011 5102)
11.30 – The Nuclear Overhauser Effect	ROL (Room 3.02)
12.30 – Lunch break	
14.00 – Heteronuclear correlation for small molecule	PL (Room 3.02)
15.00 – Protein assignment and structure	PL (Room 3.02)
10 th of July	
9.30 – The paramagnetic effect and metalloproteins	ROL (Room 3.02)
10.15 – Residual Dipolar Couplings and disordered proteins	<i>TC</i> (room 3.02)
11.00 – Break	
11.15 – Practical session I	PL, HM, LG, TC
	cessing and analyzing 1D (NMR Spect and room 3.02)
13.30 – Lunch break	
14.30 – Practical sessions I (cont)	PL, HM, LG, TC
11 th of July	
9.30 – NMR and Metabolomics/ Quantitative NMR	LG (Room 3.02)
11.00 – Break	•
11.15 – Practical session II	PL, HM, LG, TC
Acquisition (COSY, HSQC) Prod	cessing and analyzing 2D (NMR Spect and room 3.02)
13.30 – Lunch break	
14.30 – Practical sessions II (cont)	PL, HM, LG, TC
12 th of July	
9.30 – Assignment strategies in small molecules (tutorial a	nd exercises) PL (Room 3.02)
10.45 – Break	,
11.15 – Assignment strategies (cont)	PL (Room 3.02)
13.00 – Lunch break	
14.00 – Practical session III	PL, HM
	Acquisition exercises (NMR Spect and WS)

Faculty:

Luís Gafeira Helena Matias Pedro Lamosa Ricardo Louro Tiago Cordeiro