

Planning and Calendar – Projecto Experimental I 2017/2018

Carlos Cordeiro (responsible)
Cláudio Gomes

Friday 14:00-17:00

		CC (MS lab 8.2.46)	CMG (CD lab 8.6.29)
October	6	Course Presentation: outline, planning and evaluation	
	13	MS1: MS Principles and instrumentation	CD1: CD Principles and instrumentation
	20	CD1: CD Principles and instrumentation	MS1: MS Principles and instrumentation
	27	MS2: Intact protein MS analysis	CD2: Protein analysis by CD – secondary structure determination and protein stability
November	3	CD2: Protein analysis by CD – secondary structure determination and protein stability	MS2: Intact protein MS analysis
	10	Invited lectures on structural biology	
	17	MS3: Research case study: MS analysis of Parkinsons's Disease alpha-synuclein	CD3: Research case study: CD analysis of Parkinsons's Disease alpha-synuclein
	24	CD3: Research case study: CD analysis of Parkinsons's Disease alpha-synuclein	MS3: Research case study: MS analysis of Parkinsons's Disease alpha-synuclein
December	1	Public holiday	
	8	Public holiday	
	15	Journal Club: each group presents a research paper (20min) on a specific methodology: Paper #1 - DSF Guided Refolding As A Novel Method Of Protein Production – 2016 Paper #2 - Mass spectrometry guided structural biology Paper #3 - Protein folding stability and dynamics imaged in a living cell - Nat Methods – 2010 Paper #4 - Unlocking the secrets to protein–protein interface drug targets using MS spectrometry	