

Master's Degree in Pharmacological Research (2019-2020)

Subject: **TECHNIQUES IN EXPERIMENTAL PHARMACOLOGY (CODE-33203)**

Master's Degree in Pharmacological Research- 2nd Semester-Week 4

Hour	Monday-27 January	Tuesday- 28 January	Wednesday-29 January	Thursday- 30 January	Friday- 31 January	
9-10	<p>SANTO TOMAS DE AQUINO</p> <p>NO CLASSES</p>			33203 - Confocal Microscopy: principles and applications in biomedical Research <i>Silvia Arribas</i>	33203 - Practice 2: Prolif/Viability All Groups	
10-11		33203 - Tissue preparation, histological sectioning and immunostaining <i>Raquel Rodrigues-Diez</i>				
11-12		33203 -Practice 1: Cell Cultures All groups	33203 -Protein and gene expression by western blot and PCR. <i>Jose Luis Cedillo</i>	33203 -Proteomics <i>Antonio Martinez-</i>		
12-13			33203 - Electrophysiology techniques <i>Luis Gandía</i>	33203 -Transfection techniques and RNAi <i>Maria Cano</i>	33203 - Flow cytometry <i>Belén de Andrés</i> <i>Centro Nacional de Microbiología-Instituto de Salud Carlos III (CNM-ISCIII)</i> 12-13.30 h!	
13-14			33203 - Neuroimaging and cerebral function <i>Sebastián Cerdán.</i>	33203 - Techniques to measure exocytosis and neurotransmitters release <i>Almudena Albillos</i>	33203 - Heterologous expression of receptors in <i>Xenopus laevis</i> oocytes <i>Luis Gandía</i>	
15-16			<p>Capacitación animales experimentación. Presentación de trabajos Grupo Farma Seminario 4 Fac Medicina De 15.00 a 19.00 H</p>	33203 - Next generation sequencing <i>Julián Nevado-</i>	33203 Practice 8: Western Blot	33203 - Practice 4: Patch-clamp
16-17		33203 -Microarrays <i>Julián Nevado-</i>		All groups	All groups	
17-18						
18-19						

Master's Degree in Pharmacological Research- 2nd Semester-Week 5

Hour	Monday- 3 February	Tuesday- 4 February	Wednesday-5 February	Thursday-6 February	Friday- 7 February
9-10				Capacitación animales experimentación. <i>Examen 9-11.30 h</i>	33203 Practice 9: Mass spectrometry- Dora Koller and Pablo Zubiaur Group 3 9-11 h
10-11	33203 - Practice 2: Prolif/Viability Groups 3 and 4 only!!!!		33203 - Analytical techniques for drug monitoring. Dora Koller		
11-12	33203 Practice 5: 1.5 h duration!! 11-12.30 h Cardiac function Group 1 33203 Practice 6: Vascular structure Group 2		33203 Practice 5: 1.5 h duration!! 11-12.30 h Cardiac function Group 3 32510 Practice 6: Vascular structure Group 4		33203 Practice 9: Mass spectrometry- Dora Koller and Pablo Zubiaur Group 4 11-13 h
12-13		33203 - Techniques to measure intracellullar calcium <i>María Cano</i>			
13-14		33203 - Mitochondrial function and biogenesis <i>María Monsalve</i>			
			33203 Practice 5: 1.5 h duration!! 12.30-14 h Cardiac function Group 4 33203 Practice 6: Vascular structure Group 3		
15-16	33203 Practice 7: Vascular function All groups	33203 - Practice 3: Calcium measurements I All groups	33203 - Practice 3: Calcium measurements II All groups	33203 Practice 9: Mass spectrometry- Dora Koller and Pablo Zubiaur Group 1 14-16 h	
16-17				33203 Practice 9: Mass spectrometry- Dora Koller and Pablo Zubiaur Group 2 16-18 h	
17-18					

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18-19					
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