

Hour	Monday-10 February	Tuesday- 11- February	Wednesday-12 February	Thursday-13 February	Friday-14 February
9-10	9:30h General instructions to the subject <i>Prof. Manuela G.Lopez</i> <i>Coordinator</i>				
10-11	Structural organization of neurons and glia. Dynamic structure of neuronal membrane <i>Prof. Miguel Garzón</i> <i>Dept. Anatomy-UAM</i>	Action potential (I) <i>Prof. Jesús Hernández Guijo</i> <i>Dept. Pharmacology-UAM</i>	Endoplasmic reticulum and mitochondrial calcium <i>Prof. María F. Cano-Abad</i> <i>Dept. Pharmacology-IFTH-UAM</i>	Release of neurotransmitters by exocytosis <i>Prof. Almudena Albillos</i> <i>Dept. Pharmacology-UAM</i>	Molecular basis of learning <i>Prof. Luz Maria Suarez</i> <i>Instituto Ramón y Cajal-CSIC</i>
11-12	General concepts on the organization of the CNS <i>Prof. Miguel Garzón</i> <i>Dept. Anatomy-UAM</i>	Action potential (II) <i>Prof. Jesus Hernández Guijo</i> <i>Dept. Pharmacology-UAM</i>	Electrical activity in neuronal circuits <i>Prof. David Fernández Sevilla</i> <i>Dept. Anatomy-UAM</i>	Coupling-excitation-exocytosis: Dysfunctional regulation in diseases <i>Prof. Antonio G. García</i> <i>Dept. Pharmacology-IFTH-UAM</i>	Aprendizaje y memoria <i>Prof. Alejandro Higuera Matas</i> <i>UNED</i>
12-13	Main sensorial and motor systems <i>Prof. Miguel Garzón</i> <i>Dept. Anatomy-UAM</i>	Sodium and Potassium Channels <i>Prof. Jesús Hernández-Guijo</i> <i>Dept. Pharmacology-UAM</i>	Calcium channels: modulation <i>Prof. Jesús Hernández-Guijo</i> <i>Department Pharmacology-UAM</i>	Nicotinic receptors <i>Prof. Luis Gandía</i> <i>Dept. Pharmacology-IFTH-UAM</i>	-INTERACTIVE ACTIVITY I: therapeutic targets for NPP Coordinator: Manuela G. Lopez
13-14		Calcium Channels <i>Prof. Luis Gandía</i> <i>Dept. Pharmacology-IFTH-UAM</i>	Calcium and cellular death <i>Prof. Antonio G^a García</i> <i>Dept. Pharmacology-IFTH-UAM</i>	Chloride and GABA channels <i>Prof. Luz Maria Suarez</i> <i>Instituto Ramón y Cajal-CSIC</i>	-INTERACTIVE ACTIVITY I therapeutic targets for NPP Coordinator: Manuela G. Lopez

Master's Degree in Pharmacological Research- 2nd Semester-Week 7

Hour	Monday-17 February	Tuesday- 18 February	Wednesday-19 February	Thursday-20 February	Friday-21February
9-10					Excitotoxicity <i>Prof. Rashid Giniatulin University of Kuopio, Finland</i>
10-11	Cerebral metabolism and axoplasmic transport. <i>Prof. Antonio Cuadrado Universidad Autónoma de Madrid-IIB Alberto Sols</i>	Brain development. Trophic factors <i>Prof. J Hernández Guijo Dept. Pharmacology-UAM</i>	Neuroinflammation and its implication in neurodegeneration <i>Prof. Ana Rojo Department Biochemistry-UAM</i>	Therapeutic strategies in Alzheimer's disease <i>Prof. Manuela G^a López- Dept. Pharmacology-IFTH-UAM</i>	Update in the psychopharmacological treatment of Schizophrenia <i>Prof. Hilario Blasco Servicio Psiquiatría. Hospital Puerta de Hierro</i>
11-12	-INTERACTIVE ACTIVITY II therapeutic targets for NPP Coordinator: Manuela G. Lopez	Glia and cerebral function <i>Prof. Gertrudis Perea Instituto Cajal-CSIC</i>	Oxidative stress and neuronal pathology <i>Prof. Antonio Cuadrado Department Biochemistry-UAM</i>	Drug development of a drug for Multiple Sclerosis: the example of ITH13001 <i>Prof. Rafael León Instituto de Química Médica-CSIC</i>	Depression: molecules, circuits and pharmacological treatment <i>Prof. Hilario Blasco Servicio Psiquiatría. Hospital Puerta de Hierro</i>
12-13	-INTERACTIVE ACTIVITY II therapeutic targets for NPP Coordinator: Manuela G. Lopez	Neuroplasticity in neuronal-glia circuits. <i>Prof. Gertrudis Perea Instituto Cajal-CSIC</i>	Common mechanisms in neurodegenerative diseases <i>Prof. Jordi Matias-Guiu Antem Hospital San Carlos</i>	Drug development in Amyotrophic lateral Sclerosis <i>Prof. Ana Martínez Centro de Investigaciones Bológicas-CSIC</i>	Biomarkers in neurodegenerative diseases <i>Prof. Marta del Campo Universidad CEU</i>
13-14					

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

Subject: **THERAPEUTIC TARGETS IN NEUROPSYCHOPHARMACOLOGY (CODE-33205)**

Master's Degree in Pharmacological Research- 2nd Semester-Week 8

Hour	Monday-24 February	Tuesday- 25 February	Wednesday-26 February	Thursday-27 February	Friday-28 February
9-10					
10-11	<p>Parkinson's disease: new therapeutic strategies</p> <p><i>Prof. Isabel Lastres-Becker</i> <i>Department Biochemistry-UAM</i></p>		<p><u>SESSION I: Parkinson's disease</u></p> <p>Group Presentation- Approaches and experimental models to develop drugs for PD</p>	<p><u>SESSION II: Stroke</u></p> <p>Group Presentation: Approaches and experimental models to develop drugs for stroke</p>	<p><u>SESSION III: Alzheimer's</u></p> <p>Group Presentation: Approaches and experimental models to develop drugs for AD</p>
11-12	<p>Stem cells to treat neurodegenerative diseases.</p> <p><i>Prof. José A Morales García</i> <i>Instituto de Investigaciones Biomédicas Alberto Sols</i></p>		<p>Individual Presentations: Student Presentation 1 (15+15 min) Student Presentation 2 (15+15 min)</p>	<p>Individual Presentations: Student Presentation 5 (20 min) Student Presentation 6 (20 min)</p>	<p>Individual Presentations: Student Presentation 9 (20 min) Student Presentation 10 (20 min)</p>
12-13	<p>Stroke: Pharmacological basis and therapeutic strategies</p> <p><i>Prof. Blanca Fuentes</i> <i>Servicio de Neurología. Hospital la Paz</i></p>		<p>Student Presentation 3 (15+15 min) Student Presentation 4 (15+15 min)</p>	<p>Student Presentation 7 (15+15 min) Student Presentation 8 (15+15 min)</p>	<p>Student Presentation 11 (20 min) Student Presentation 12 (20 min)</p>
13-14	<p>Perception of pain</p> <p><i>Prof. Javier de Andrés</i> <i>Unidad de Dolor-Hospital la Paz</i></p>				