

SUBJECT TEACHING GUIDE

461 - Stay in a Type B Research Unit

Master's Degree in Mental Health Research

Academic year 2024-2025

1. IDENTIFYING DATA					
Degree	Master's Degree in Mental Health Research			Type and Year	Compulsory. Year 1
Faculty	Faculty of Medicine				
Discipline	Subject Area: Stays in Research Centres Compulsory Module				
Course unit title and code	461 - Stay in a Type B Research Unit				
Number of ECTS credits allocated	18	Term	Annual based		
Web					
Language of instruction	Spanish	English Friendly	No	Mode of delivery	Face-to-face

Department	DPTO. FISILOGIA Y FARMACOLOGIA
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Other lecturers	ALVARO MARCELINO DIAZ MARTINEZ JAVIER VAZQUEZ BOURGON REBECA VIDAL CASADO MARIA FUENCISLA PILAR CUELLAR ALBERT ADELL CALDUCH LOURDES FAÑANAS SAURA ANA GONZALEZ-PINTO ARRILLAGA CARLES SORIANO MAS MARIA JESUS PORTELLA MOLL LIDIA BRAVO GARCÍA JAVIER RUBEN CASO FERNÁNDEZ

3.1 LEARNING OUTCOMES

- Basic itinerary: knowing and applying the methodology use for genes, proteins and cell signaling studies. Also, knowing the animal models use in the preclinical research of neuropsychiatric disorders.
- Clinical itinerary: getting skills in the specific technique used in the host research group.

4. OBJECTIVES

1. Explain to the student the main problems in mental illness research.
2. Promote the interest of students to apply the scientific methods related to mental health.
3. Explain to the student the main methodologies, techniques and specific tools used in psychiatry research.

6. SUBJECT PROGRAM

CONTENTS

1	Development of the working hypothesis as a specific question about a scientific problem.
2	Application of the most appropriate methodology to solve a given/proposed problem: - Basic itinerary: experimental design, test samples and methodology to be used. - Clinical itinerary: learning to design a clinical research protocol.
3	- Basic itinerary: performance of experimental techniques. - Clinical itinerary: use of the main tools in psychopathological, neuropsychological tests, and brain imaging.
4	Collection, standarization and validation of the results. plotting and statistical analysis. Interpretation and discussion of results in the context of the scientific bibliography and research group activity.
5	Drawing conclusions of the research findings and writing a scientific paper.

7. ASSESSMENT METHODS AND CRITERIA

Description	Type	Final Eval.	Reassessn	%
Elaborating a scientific paper and poster	Others	No	Yes	50,00
Continuous assessment	Laboratory evaluation	No	No	50,00
TOTAL				100,00
Observations				
Observations for part-time students				
N/A				

8. BIBLIOGRAPHY AND TEACHING MATERIALS

BASIC

Debido a la especificidad de cada línea de investigación en la que el alumno se verá involucrado, se aportará durante su estancia en el centro receptor.