



Instituto de
Neurociencias Federico
Olóriz

Research Groups - English

Area of Health Sciences and Technologies

CTS 109: Neuropharmacology of Pain

Coordinador: José Manuel Baeyens Cabrera. E-mail: @email - Tel. 958243538

1. Functional involvement of sigma1 receptors in pain perception mechanisms.
2. Biochemical study of sigma1 receptors labeled with [3H](+)pentazocine.
3. Mechanisms involved in the analgesic effects of G protein-coupled receptor agonists.

CTS 115: Tissue Engineering

Coordinador: Pascual Vicente Crespo Ferrer. E-mail: pvcrespo@histolii.ugr.es
- Tel. 958243515

CTS 187: Childhood Nutrition and Metabolism

Coordinador: Cristina Campoy Folgoso. E-mail: @email - Tel. 958240740

CTS 202: Endocrinology and Metabolism

Coordinador: M^a Esperanza Ortega Sánchez. E-mail: @email - Tel. 958243517

1. Analysis of the hypothalamus-pituitary-gonad axis and its interactions with the hormones of the growth, thyroid and stress axes.
2. Study of sex and stress hormones in different pathophysiological situations.
3. Study of genes regulated by hormones.
4. Study of the structure and function of proteins.

CTS 322: Grupo Andaluz de Investigación en Salud Mental

Coordinador: Jorge A. Cervilla Ballesteros. E-mail: @email. 958241536

1. Epidemiología y factores de riesgo/protección del trastorno mental en la comunidad (Proyecto PISMA-ep).

2. Psicopatología y tratamiento de las psicosis delirantes (Proyecto PARAGNOUS y DELU-TREAT).
3. Psicosis en Enfermedades Neurodegenerativas (Proyecto 10/66)
4. Interacción genético-ambiental de los trastornos mentales (Proyectos Depregene, Pisma-Gene y Predict-Gene)
5. Identificación de nuevos fenotipos psicóticos (Proyecto Pheno-Psych)
6. Comorbilidad entre trastornos somáticos y mentales (Proyecto Med-Psych).

CTS 438: : Study of neurodegenerative diseases in Andalusia

Coordinator: Francisco Vives Montero. E-mail: fvives@ugr.es – Tel. 958243525

1. Neuroprotective mechanisms in experimental Parkinson's: electrophysiological, neurochemical and behavioral studies
2. Neurochemistry of parkinson's disease
3. Study of the activity of brain aminopeptidases
4. Memory and aging
5. Mechanisms of cell death (apoptosis and necrosis): role of intracellular ions.

CTS 549: Psychiatry and Neurosciences

Coordinator: Luis Gutiérrez Rojas. E-mail: @email. Tel. 958240704 y 958240711

CTS 628: Psychiatry, Biology and Environment (PSYBAM Group); CIBERSAM member group (ISCIII)

Coordinator: Blanca Gutiérrez Martínez. E-mail: @email - Tel. 958242075

1. Environmental genetic interaction in Neuropsychiatry.
2. Psychiatric Genetics: Detection of genetic factors involved in the origin of common mental disorders (depression, anxiety, psychosis, dementia, etc.)
3. Risk Factors and Prevention in Mental Diseases: Study of genetic-environmental interactions in the prediction of the risk and/or prevention of mental disorders.
4. Pharmacogenetics: Identification of genetic profiles that predict clinical response to pharmacological treatment.

HUM-784: : Neuroplasticity and Learning

Coordinator: Milagros Gallo Torre. E-mail: @email – Tel. 958240664

1. Psychobiology of learning and memory.
2. Neurobiology of aversive gustatory learning.

3. Hippocampal function, aging and restoration of cognitive functions.
4. Ontogeny of behaviour.

Area of Life Sciences

BIO 195: Neurobiología del sistema visual

Coordinador: José Manuel Rodríguez Ferrer. E-mail: @email – Tel. 958243541

1. Neurofisiología y neuroquímica de las vías visuales y la corteza cerebral.
2. Histología de los receptores del oído interno.
3. Psicobiología del aprendizaje.
4. Memoria y envejecimiento.
5. Mecanismos implicados en la autoestimulación de la corteza cerebral.

BIO 277: Biosanitary

Coordinator: Concepción Ruiz Rodríguez. E-mail: @email – Tel. 958248029

1. Study of the antigenic and functional phenotype of different cell populations using primary cultures.
2. Molecular effect of Platelet Rich Plasma (PRP) on human osteoblasts
3. Effect of non-steroidal anti-inflammatory drugs (NSAIDs) on different physiological and functional parameters of osteoblasts, assessed in primary cultures and in established osteosarcoma lines.
4. Study of cellular adhesion of osteoblasts on different surfaces, in order to promote bone integration.
5. Effect of stress on different immunological parameters.