

ENCUENTRO

II Edition

Extracellular vesicles
in neuroscience: a
focus on methodology
and their applications
in neurodegenerative
disorders.

Horario y dirección de contacto

Mañana de L a V: 9.00 a 14.00 h

Santander

Campus de Las Llamas
Avda. de los Castros, 42
39005 Santander
Tlf.: 942 29 87 00

Madrid

C/ de Isaac Peral, 23
28040 Madrid
Tlf.: 91 592 06 31 / 33

A partir del 16 de junio

Mañana de L a V: 9.00 a 14.00 h
Tarde de L a J: 15.30 a 18.00 h

Santander

Palacio de la Magdalena
39005 Santander
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Patrocina:

Ministerio de Ciencia e Innovación-RED2022-134774-T
Red glial española GEIVEX

Colabora:



Este curso es susceptible de ser reconocido como formación permanente del profesorado para el personal docente de los centros que imparten las enseñanzas reguladas en la Ley Orgánica 2/2006, de Educación, en base al artículo 21 y 29 de la Orden EDU/2886/2011, de 20 de octubre, por la que se regula la convocatoria, reconocimiento, certificación y registro de las actividades de formación permanente del profesorado.

Código 661V - ECTS: 1

Directors

Jimena Baleriola

Achucarro Basque Center for Neuroscience, Basque Country, Spain

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Instituto de Investigación Sanitaria y Biomédica de Alicante, Spain

Juan Manuel Falcón

CICbioGUNE, Basque Country, Spain

In recent years, extracellular vesicles have emerged as key mediators of cell-to-cell communication in the central nervous system. Furthermore, due to their ability to cross the blood brain barrier they can reach the periphery and serve as a source of biomarkers in neurodegenerative diseases to facilitate diagnosis, prognosis and assessment of interventions targeting the brain.

The purpose of the course: 1- Provide students, clinicians, academics and researchers with updated knowledge on extracellular vesicles in the central nervous system, 2- Review the roles of extracellular vesicles in neurodegenerative disorders as well as their translational/clinical applications 3- Encourage interactions among researchers and clinicians and promote collaborations

The course is aimed at Graduate students (Master Thesis and PhD students), Lecturers and senior researchers and Clinicians and health workers (Medical doctors; surgeons; Physicians; Nurses; Technicians).

Apertura matrícula

Desde el día 4 de abril de 2025
(plazas limitadas)

Solicitud
online





Monday 4

09.45 h Welcome ceremony

Session 1: Neuronal and non-neuronal EVs in neuronal function. Basic neurobiology.

10.00 h Role of neuronal EVs in controlling neuronal functions

Cristina Malagelada

Universitat de Barcelona, Catalunya, Spain

10.30 h Intracerebral administration of glial EVs to study their functions in neurons in vivo

Jimena Baleriola

Achucarro Basque Center for Neuroscience, Basque Country, Spain

Session 2: Roles of EVs in models of neurodegeneration (I)

11.30 h EVs in metabolism of Alzheimer's disease (AD).

Juan Manuel Falcón

CICbioGUNE, Basque Country, Spain

12.00 h The Role of Extracellular Vesicles in the A β aggregation: the relevance of the isolation method

Andreu Matamoros

University Medical Center Hamburg-Eppendorf, Hamburg, Germany

12.30 h EVs in Parkinson's disease (PD)

Lydia Álvarez Erviti

Molecular Neurobiology at Center for Biomedical Research of La Rioja, Spain



Red social de conocimiento UIMP

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13.00 h EVs in Multiple Sclerosis (MS)

David Otaegui

IIS Biogipukoa, Basque Country, Spain

Session 3: Roles of EVs in models of neurodegeneration (II)

15.30 h Characterization of EVs in aging and neurodegenerative diseases

Valle Palomo

IMDEA Nanociencia, Madrid, Spain

16.00 h Vesicular miRNA characterization from muscle cells in Amyotrophic Lateral Sclerosis

Amaia Elizegi

IIS Biogipuzkoa, Basque Country, Spain

16.30 h Role of EVs in Ischemic Stroke

Berta Puig

University Medical Center Hamburg-Eppendorf, Hamburg, Germany



Tuesday 5

Session 4: EVs for biomarker discovery

09.30 h Role of EVs in neurodegenerative disorders and their potential as a source of biomarkers

Rocío Pérez-González

Instituto de Investigación Sanitaria y Biomédica de Alicante, Spain

10.00 h Small RNAs in plasma extracellular vesicles as biomarkers in neurodegenerative diseases

Marina Herrero-Lorenzo

Universitat de Barcelona, Catalunya, Spain

10.30 h EVs in Amyotrophic Lateral Sclerosis

Ulises Gómez

Hospital Clínico San Carlos, Madrid, Spain

11.30 h Round table and Q&A

Cristina Malagelada

Andreu Matamoros

Lydia Álvarez Erviti

David Otaegui

Valle Palomo

Amaia Elizegi

Berta Puig

Marina Herrero-Lorenzo

Ulises Gómez

Coordinators:

Silvia Corrochano

Hospital Clínico San Carlo

Fernando Bartolomé

Hospital 12 de Octubre

13.30 h Concluding remarks and closing ceremony

Jimena Baleriola

Rocío Pérez-González

Universidad Internacional Menéndez Pelayo

