

ENCUENTRO

III 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

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Avda. de los Castros, 42
39005 Santander
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Madrid

C/ de Isaac Peral, 23
28040 Madrid
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A partir del 22 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

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Patrocinan:

secretech



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.

Code 6694 - ECTS: 1

Directors:

Jimena Baleriola

Centro de Neurociencias Cajal-CSIC, Spain

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Organization:

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 course aims to provide students, clinicians, academics and researchers with updated knowledge on extracellular vesicles in the central nervous system, review the roles of extracellular vesicles in neurodegenerative disorders as well as their translational/clinical applications and encourage interactions among researchers and clinicians and promote collaborations.

The course will be based on a series of foundational lectures delivered by experts in the field, ensuring academic rigor and subject-matter depth. In addition, an structured Q&A roundtable session will be incorporated to promote meaningful dialogue between teachers and students, supporting knowledge exchange, clarification of concepts, and active learner engagement.

Apertura matrícula

Desde el día 13 de abril de 2026
(plazas limitadas)

Solicitud
online





Thursday 6

- 09.45 h Welcome ceremony
Jimena Baleriola
 Centro de Neurociencias Cajal-CSIC, Spain
Rocío Pérez González
 Instituto de Investigación Sanitaria y Biomédica de Alicante (ISABIAL), Spain

Session 1: Updates on Extracellular Vesicles and Neurobiology

- 10.00 h EV overview and updates: a perspective from ISEV and GEIVEX
Juan Manuel Falcón
 CICbioGUNE, Basque Country, Spain
- 10.30 h Functional implications of astroglial EVs on neurons
Jimena Baleriola
- 11.00 h Proximity Barcoding Assay for Single Extracellular Vesicle Proteomic Profiling
Rudi Schlaefli
 Business Development Manager Europe at Secretech

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

- 11.30 h Dual roles of EVs in neurodegenerative disorders
Rocío Pérez González

- 12.00 h Functional aspects of extracellular vesicles in Alzheimer's disease pathology: from Amyloid β aggregation to neuronal network dysfunction
Andreu Matamoros
 Institut de Recerca i Innovació en Ciències de la Vida i la Salut a la Catalunya Central (IRIS-CC), Universitat de Vic – Universitat Central de Catalunya (UVic-UCC), Spain

- 12.30 h EVs in Parkinson's disease (PD)
Lydia Álvarez Erviti
 Molecular Neurobiology at Center for Biomedical Research of La Rioja, Spain

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

- 15.00 h Skeletal muscle- derived EVs analysis in Amyotrophic Lateral Sclerosis (ALS)
Sonia Alonso-Martín
 IIS Biogipuzkoa, Basque Country, Spain
- 15.30 h Characterization of EVs in aging and neurodegenerative diseases
Valle Palomo
 IMDEA Nanociencia, Madrid, Spain

- 16.00 h Q&A session



Friday 7

Session 4: EVs for biomarker discovery

- 09.30 h EV-associated proteins as biomarkers in multiple sclerosis
Rocío Bravo Miana
 IIS Biogipuzkoa, Basque Country, Spain

- 10.00 h Small RNAs in plasma extracellular vesicles as biomarkers in neurodegenerative diseases
Marina Herrero Lorenzo
 Universitat de Barcelona, Catalunya, Spain

- 11.00 h Blood-based biomarkers for frontotemporal dementia through extracellular vesicles
Aitana Sogorb Esteve
 Reina Sofia Foundation Alzheimer Centre, CIEN Foundation, ISCIII, Spain; UCL Queen Square Institute of Neurology, UCL, U.K.

- 11.30 h Round table and Q&A session

Jimena Baleriola
Juan Manuel Falcón
Rocío Pérez González
Andreu Matamoros
Sonia Alonso-Martín
Valle Palomo
Lydia Álvarez Erviti
Rocío Bravo Miana
Marina Herrero Lorenzo
Aitana Sogorb Esteve

Coordinator:

Fernando Bartolomé
 Instituto de Investigación Hospital 12 de Octubre

- 13.00 h Concluding remarks and closing ceremony

Jimena Baleriola
Rocío Pérez González



Red social de conocimiento UIMP
 Accede a las retransmisiones en streaming de los cursos y actividades en uimptv.es



Universidad Internacional Menéndez Pelayo

