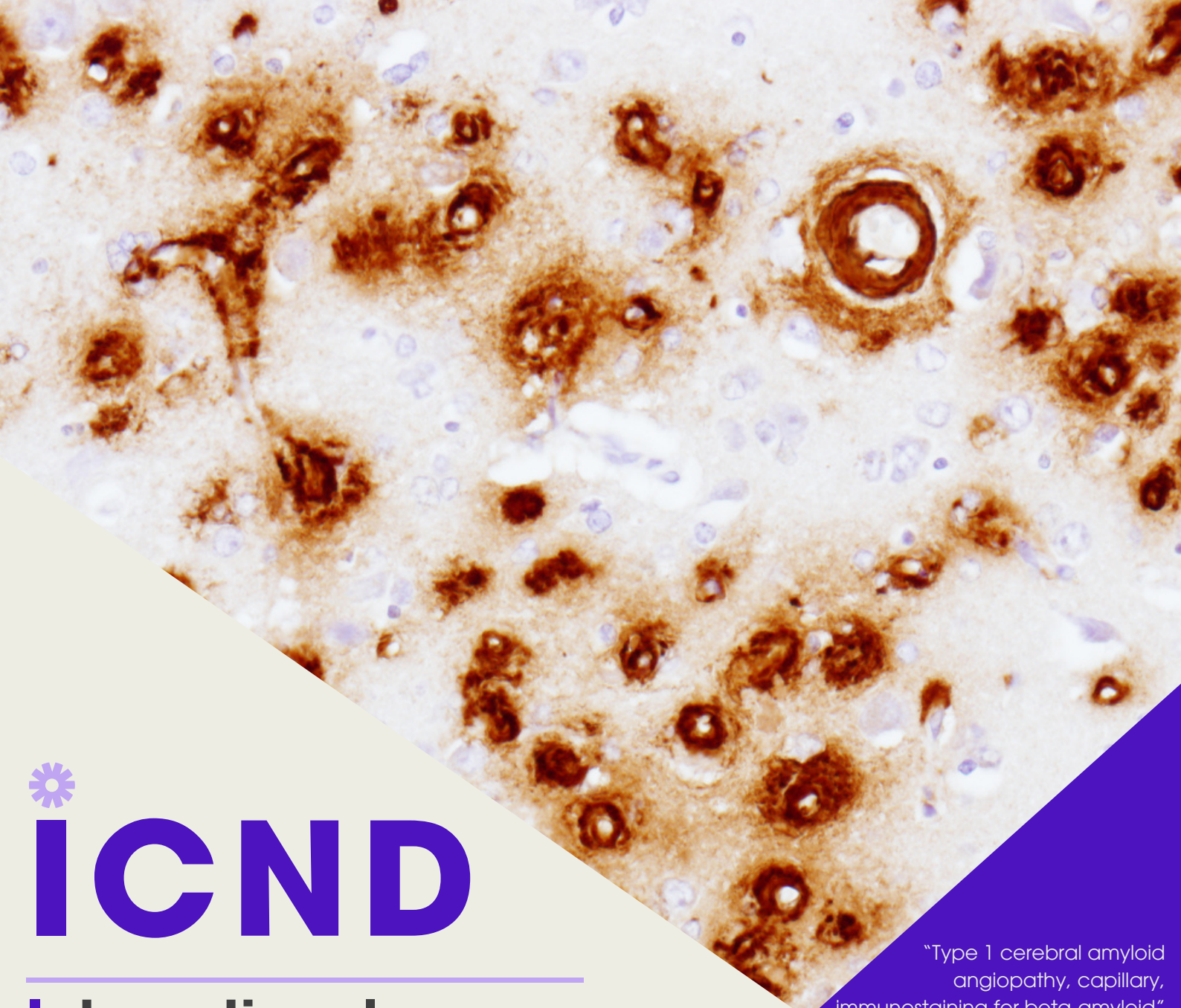




ICND

International Congress on Neurodegenerative Diseases

In search for a cure of neurodegenerative diseases

15-18 • SEPTEMBER • 2025

ELCHE • ALICANTE • SPAIN

"Type 1 cerebral amyloid
angiopathy, capillary,
immunostaining for beta-amyloid"
— Cover Image by CIEN.

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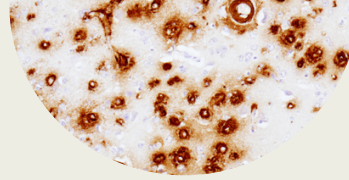


MINISTERIO
DE CIENCIA, INNOVACIÓN
Y UNIVERSIDADES



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Monday 15

 Gran Teatro

9:00 - 9:30 h	Registration and poster setup
9:30 - 11:30 h	Scientific Session I: TAU Moderator: Mercè Boada Rovira (Ace Alzheimer Center Barcelona/CIBERNED - Spain)
9:30 h	Marc Suárez-Calvet Barcelonaβeta Brain Research Center (BBRC), Pasqual Maragall Foundation — Barcelona, Spain Title: <i>Tau: Biomarkers, Trials, and Beyond</i>
9:55 h	Alberto Lleó Unitat de Memòria Hospital Sant Pau/CIBERNED — Barcelona, Spain Title: <i>Role of synaptic tau in Alzheimer's disease</i>
10:20 h	Simon Mead MRC Prion Unit at UCL - National Prion Clinic, UCLH — UK Title: <i>Latrogenic Alzheimer's disease - expanding the prion concept</i>
10:45 h	Amira Latif-Hernandez Stanford University School of Medicine — San Francisco, USA Title: <i>A Molecular Switch for Synaptic Resilience in Tauopathies</i>
11:10 - 11:30 h	Discussion panel
11:30 - 12:15 h	Coffee (Gran Teatro Hall)
12:45 - 13:45 h	Official Inauguration
13:45 - 14:45 h	Keynote Lecture Introduction by: Javier Sáez Valero — Universidad Miguel Hernández de Elche — Alicante, Spain Francisco Juan Martínez Mojica — Universidad de Alicante, Spain Title: <i>CRISPR's Journey: Tracing the Roots of a Revolutionary Genetic Toolbox</i>



14:45 - 16:15 h

Posters & Lunch (Sala Kursaal, Gran Teatro)

Chairperson: Aitana Sogorb **CAFRS - CIEN**

16:15 - 17:45 h

Scientific Session II: Other targets

Moderator: Alberto Rábano

16:15 h

Alberto Rábano

Centro Alzheimer Fundación Reina Sofía - BT-CIEN/CIBERNED — Madrid, Spain

Title: *Copathology patterns in neurodegenerative diseases: from neuropathology to pathogenesis*

16:40 h

Michel Grothe

Centro Alzheimer Fundación Reina Sofía - CIEN/CIBERNED — Madrid, Spain

Title: *Limbic age-related TDP-43 encephalopathy (LATE)*

17:05 h

José Ramón Naranjo

Centro Nacional de Biotecnología-CSIC/CIBERNED — Madrid, Spain

Title: *The DREAM/ATF6 interaction mediates disease progression in FTL-D mouse models*

17:30 - 17:45 h

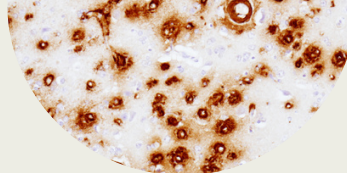
Discussion panel

19:00 h

Concert Featuring the Traditional Misteri d'Elx at the Basilica of Santa María

19:30 h

Welcome Reception at the Elche Town Hall



9:00 - 11:00 h

Scientific Session III: APOE

Moderator: Daniel Alcolea

9:00 h

Daniel Alcolea

Sant Pau Memory Unit, Hospital de Sant Pau/CIBERNED —
Barcelona, Spain

Title: *APOE and Alzheimer's disease: from pathways to patient care*

9:25 h

Juan Fortea

Hospital of Sant Pau/CIBERNED — Barcelona, Spain

Title: *Expanding the concept of genetically determined AD:
APOE4 homozygotes*

9:50 h

Javier Sáez Valero

Universidad Miguel Hernández de Elche/CIBERNED — Alicante,
Spain

Title: *Compromised APOE Signaling in Alzheimer's Disease and
COVID-19, different profiles similar consequences?*

10:15 h

Jorge Sepulcre

Yale University — New Haven, USA

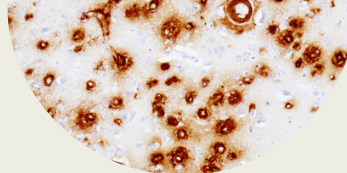
Title: *In Search of Novel Molecular Targets for Neurodegenerative
Diseases: PET and Multiomics Integration*

10:40 - 11:00 h

Discussion panel

11:00 - 11:30 h

Coffee break & Posters (Sala Kursaal, Gran Teatro)



11:30 - 13:30 h

Scientific Session IV: Neuromodulation

Moderator: Álvaro Pascual-Leone

11:30 h

Álvaro Pascual-Leone

Harvard Medical School — Boston, USA

Title: *Noninvasive Neuromodulation of Spatio-Temporal Signatures of Disability*

11:55 h

Christopher R Butler

Imperial College London — London, UK

Title: *Temporal interference stimulation of the hippocampus in early Alzheimer's disease*

12:20 h

Guglielmo Foffani

Centro Alzheimer Fundación Reina Sofía - CIEN/CIBERNED — Madrid, Spain

HM CINAC — Madrid, Spain

Hospital Nacional de Paraplégicos — Toledo, Spain

Title: *Transcranial static magnetic field stimulation (tSMS) in movement disorders*

12:45 h

Giacomo Koch

Fondazione Santa Lucia — Rome, Italy

Title: *Personalized Neuromodulation of the Default Mode Network for Treatment of Alzheimer's Disease: Foundations and Next Steps*

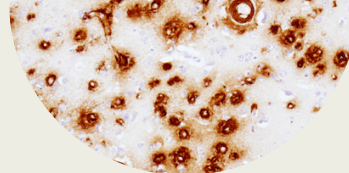
13:10 - 13:30 h

Discussion panel

13:30 - 14:30 h

Posters & Lunch (Sala Kursaal, Gran Teatro)

Chairperson: Aitana Sogorb **CAFRS - CIEN**



14:30 - 16:30 h

Scientific Session V: Glia

Moderator: Marta Fernández Matarrubia

14:30 h

Marta Fernández Matarrubia

Hospital Univeristario Marqués de Valdecilla/CIBERNED —
Santander, Spain

Title: *Rethinking Alzheimer's disease through glial cells:
neuroinflammation, biomarkers and new targets*

14:55 h

Estrella Morenas

Hospital Univeristario 12 de Octubre — Madrid, Spain

Title: *The Therapeutic Potential of TREM2 Modulation: Biomarker-
Based Insights into Microglial Activation in Alzheimer's and
Beyond*

15:20 h

Amaia Arranz

Achucarro - Basque center for Neuroscience — Leioa, Spain

Title: *Divergent Effects of Human Astrocytes with Different APOE
Variants on Key Alzheimer's Disease Hallmarks in Chimeric Mice*

15:45 h

Eduardo Zimmer

Universidade Federal Rio Grande do Sul — Porto Alegre, Brazil

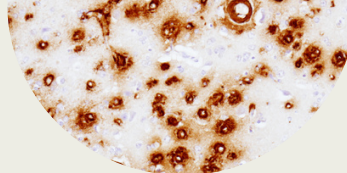
Title: *The cellular origins of neuroinflammation in Alzheimer's
disease*

16:10 - 16:30 h

Discussion panel

16:30 - 16:45 h

Coffee break & Posters (Sala Kursaal, Gran Teatro)



16:45 - 18:15 h

Scientific Session VI: Amyloid

Moderator: Raquel Sánchez Valle

16:45 h

Raquel Sánchez Valle

Hospital Clínic Barcelona/CIBERNED — Barcelona, España

Title: *Introduction to amyloid therapies*

17:10 h

Estela Area-Gómez

Centro de Investigaciones biológicas. CSIC/CIBERNED — Spain
Columbia University — NYC

Title: *The role of MAM in the regulation of APP processing*

17:35 h

Bart de Strooper

VIB-KU Leuven Center for Brain & Disease Research — Belgium
University College London & UK-Dementia Research Institute - UK

Title: *Five Inflection Points in Alzheimer's Disease: From Amyloid-Driven Inflammation to Tau-Mediated Neurodegeneration*

18:00 - 18:15 h

Discussion panel

18:15 - 18:30 h

Awarding of the Diploma for Best Poster ICND 2025

19:00 h

Cultural Tour of the City

9:00 - 11:25 h

Scientific Session VII: Other mechanisms

Moderator: Teodoro del Ser

9:00 h

Teodoro del Ser

Centro Alzheimer Fundación Reina Sofía - CIEN — Madrid, Spain

Title: *Other therapeutic approaches in Alzheimer's disease*

9:25 h

Ángel Cebolla

Olavide Neuron STX S.L. (ONESTX) — Sevilla, Spain

Title: *Modulating Sulfated Steroid Availability to Treat Neurodegenerative Diseases*

9:50 h

Jose María Frade

Instituto Cajal CSIC — Madrid, Spain

Title: *A multifactorial gene therapy with the potential to cure Alzheimer's disease*

10:15 h

Johannes Levin

Ludwig-Maximilians-Universität München — München, Germany

Title: *Mixed Neurodegenerative Pathologies: Clinic, causes and consequences*

10:40 h

Tiago Outeiro

University Medical Center Goettingen — Göttingen, Deutschland

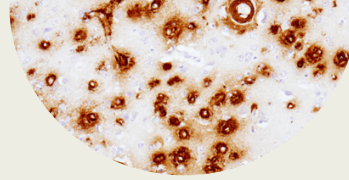
Title: *From biology to classification: understanding Parkinson's disease*

11:05 - 11:25 h

Discussion panel

11:25 - 11:55 h

Coffee break & Posters (Sala Kursaal, Gran Teatro)



Wednesday 17

 Centro de Congresos "Ciutat d'Elx"

11:55 - 13:25 h

Scientific Session VIII: Metabolism

Moderator: Ignacio Torres Alemán

11:55 h

Ignacio Torres Alemán

Achucarro - Basque center for Neuroscience/CIBERNED — Leioa, Spain

Title: *IGF-1 and neurodegenerative diseases: from bench to bedside*

12:25 h

Javier Salvador Rodríguez

Universidad de Navarra/CIBEROBN — Pamplona, Spain

Title: *GLP-1 and dementia: from metabolic roots to neurological horizons*

12:55 h

Emiliano Bruner

Museo Nacional de Ciencias Naturales CSIC — Madrid, Spain,
CIEN - Centro Alzheimer Fundación Reina Sofía — Madrid, Spain

Title: *The evolution of the human precuneus: topological, vascular, and metabolic drawbacks of the deep brain.*

13:30 - 14:30 h

Lunch & Posters (Sala Kursaal, Gran Teatro)

Miércoles 17

17:00 - 18:00 h

La visión del paciente sobre la investigación en enfermedades neurodegenerativas (Centro de Congresos)

Mariló Almagro — CEAFA

Alicia Campos — FEP

Teodoro del Ser — CAFRS - CIEN

18:00 - 18:30 h

Descanso

18:30 - 20:00 h

"Neurodiálogos en clave de sol" - Interpretación de piano y violín (Centro de Congresos)

Guglielmo Foffani

Luca Bagagli

Jueves 18

17:00 - 18:00 h

**Diagnóstico precoz en enfermedades neurodegenerativas:
Utopía o realidad clínica** (Centro de Congresos)

Aitana Sogorb — CAFRS - CIEN

María Ascensión Zea Sevilla — CAFRS - CIEN

Javier Saez Valero — Universidad Miguel Hernández de
Elche/CIBERNED

18:00 - 18:30 h

Café (Centro de Congresos)

18:30 - 19:30 h

**La perspectiva del paciente con las asociaciones de
familiares de pacientes: Abordaje y recursos de apoyo en
enfermedades neurodegenerativas** (Centro de Congresos)

Asociación de Familiares de Alzheimer de Elche (AFAE)

Asociación Parkinson Elche

Defensor del Mayor de Elche

José Francisco Barragán (Presidente de AFAE)

ELCHE, EL CIELO
EN LA TIERRA
AÑO JUBILAR 2024/2025



**Venue - Centro de
Congresos "Ciutat d'Elx"**

Carrer del Filet de Fora 1,
03203 Elche, Alicante



**Venue - Gran Teatro
de Elche**

C/ Kursaal, 1, 03203
Elche, Alicante



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Exciting news! The International Congress
on Neurodegenerative Diseases 2025 is
coming to Elche from September 15-17. Join
top experts to discuss groundbreaking
research & new therapies! Register at: [CIEN](#)
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