

TUESDAY, FEBRUARY 25, 2025 – Faculty of Medicine, Universitat de Barcelona (Carrer de Casanova 143, Barcelona)

CONFERENCE AGENDA

AAIC Neuroscience Next Barcelona Hub

10.15 - 11.15 am

Registration and badge pick-up

11.15 - 11.30 am

Opening remarks – Raquel Sánchez-Valle (Hospital Clínic de Barcelona)

11.30 - 1.00 pm

Oral Presentations Round 1. Facilitators: Maria Carmona (Hospital Sant Pau), Gerard Piñol (Hospital Santa Maria /Hospital Clínic)

Josep Blázquez-Folch, ACE Alzheimer's Center Barcelona. Comprehensive Machine Learning Analysis Of Multidomain Speech Features For Detecting Cognitive Impairment

Clara Gallay, BarcelonaBeta Brain Research Center. Amyloid-negative Cognitively Unimpaired Multiparous Women Exhibit Reduced White Matter Hyperintensity Load.

Agnès Pérez-Millán, Hospital Clínic de Barcelona. Galectin-3 Is Associated With Cortical Thickness In Asymptomatic Carriers Of Autosomal Dominant Alzheimer's Disease.

Gabriel Lermen, University of Cologne, Germany. Potential Impact Of Brain Energy Metabolism-related Snps On Alzheimer's Disease Progression.

Sandra Giménez, Hospital Sant Pau, Barcelona. Alzheimer's Disease-related Sleep Changes In Down Syndrome Adults.

Alex Ehrenberg, University of California San Francisco, U.S. Cholesterol Homeostasis Mechanisms Underlie Selective Vulnerability To Alzheimer's Disease In The Locus Coeruleus.

Daniel Carnicero, Universidad Autónoma de Madrid, Madrid. Therapeutic Targeting Of Nrf2 In Alzheimer's Disease.

1.00 – 2.30 pm

Lunch

2..30 – 3.30 pm

HYBRID SESSION

Introduction to the region - Neus Falgàs, Albert Lladó

Plenary Speaker: Rik Ossenkoppele, UMC Amsterdam. The Future of Early-Onset Alzheimer's Disease

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Lightning Presentation Round

Diana Esteller, Hospital Clínic de Barcelona. Diagnostic Performance Rt-Quic Based Detection Of Alpha-synuclein Seeds In A Clinical Cohort With Cognitive Impairment.

Nuole Zhu, Hospital Sant Pau, Barcelona. Impact Of Sleep And Aging On Astrocytic Activity And Its Link To Alzheimer’s Proteins In Cognitively Healthy Adults

Adrià Tort-Merino, Hospital Clínic de Barcelona. Exploring Sleep Fragmentation And The Neuromodulatory Subcortical Systems Integrity In Alzheimer’s Disease According To APOE4 Status

Pablo Aguilar, ISGlobal. Temporal Associations Of Neuropsychiatric Symptoms, Demographics And Amyloid With Subsequent Tau Burden In Older Adults.

Closure - Neus Falgàs, Albert Lladó

3.30 – 4 pm *Coffee break*

4 - 5.30 pm **Oral Presentations Round 2.** Facilitators: Lúdia Vaqué (Hospital Sant Pau) , Alex Ehrenberg (UCSF).

Sergi Borrego-Écija, Hospital Clínic de Barcelona. Clinicopathological And Neuropsychological Phenotype Of The P.P397S MAPT Mutation

Anna Brugulat-Serrat, BarcelonaBeta Brain Research Center. Late Motherhood Linked To Accelerated Memory Decline In Amyloid-positive Cognitively Unimpaired Women.

Axel Rigol, Hospital Clínic de Barcelona. Detection Of Subtle Cognitive Changes In aβ+ Individuals Using The Experimental 6FR_LTM Test And One-month Battery.

Clàudia Porta-Mas, BarcelonaBeta Brain Research Center. Predictors Associated With The Response Rate To Remote Web-based Cognitive Assessment

Aina Comas-Albertí, Hospital Clínic de Barcelona. Differential Brain DNA Methylation In CBD Vs Pick FTLD Subtypes.

Bea Lara, Hospital Santa Maria de Lleida, Lleida. Game Project: Game Among Mild Cognitive Impairment Patients Experience.

5.30 – 6.15 pm **Poster session** Reviewers: Carla Abdelnour (Stanford University), Mircea Balasa (Hospital Clínic de Barcelona), Sergi Borrego (Hospital Clínic de Barcelona)

6.15 – 6.30 pm **Awards and Final Remarks** – M Àngels Font, Societat Catalana de Neurologia

6.30 – 8 pm *Break at Leisure*

8 - 9.30pm **Welcome Dinner** at Restaurant Barcelona Milano (C/Villarroel 190) **This event requires prior registration.*

WEDNESDAY, FEBRUARY 26, 2025 – Hospital Clínic Day Care Facilities (Carrer de la Reina Amàlia, 37)

	<p>WORKSHOPS <i>*This event requires prior registration.</i></p>
9.00-9.45 am	<p>Visit to Hospital Clínic Day Care Facilities <u>Facilitators:</u> Albert Lladó, Neus Falgàs (Hospital Clínic de Barcelona) Discover a center dedicated to non-pharmacological therapies, including cognitive stimulation, physiotherapy, speech therapy (logopedia), and occupational therapy, as well as an educational program for patients and families.</p>
9.45-10.15 am	<p>Neurological Tissue Bank: Behind the Scenes <u>Speaker:</u> Gemma Aragonès (HCB-IDIBAPS Biobank)</p> <ul style="list-style-type: none"> • Insight into the organization and functioning of the Neurological Tissue Bank. • Overview of their contributions to research and patient care. • Opportunities for collaboration and access to resources.
10.15 am-11 am	<p><i>Coffee Break</i></p>
11-12 am	<p>Proposal Writing for Presenting Successful Fellowships <u>Facilitators:</u> Hartiz Plazaola & Isil Tekeli (European and International Projects Office, IDIBAPS)</p> <ul style="list-style-type: none"> • Overview of the key elements of a successful grant proposal. • Strategies to align your proposal with fellowship objectives. • Tips for addressing common pitfalls and reviewer expectations.
12am-1pm	<p>How to Make Your Research Accessible to the General Public <u>Facilitator:</u> Carla Serra (Communications Team, IDIBAPS)</p> <ul style="list-style-type: none"> • Why public engagement matters in research dissemination. • Techniques to simplify complex ideas for diverse audiences. • How to use each channel to achieve the maximum impact.
1-1.30pm	<p>ISTAART Opportunities for Early Career Researchers <u>Speaker:</u> Ozama Ismail (Alzheimer’s Association) Explore the benefits and resources available through ISTAART (International Society to Advance Alzheimer’s Research and Treatment). This session will highlight professional development opportunities, networking possibilities, and ways for early-career researchers to enhance their careers in ADRD research.</p>