



MINISTERIO
DE CIENCIA, INNOVACIÓN
Y UNIVERSIDADES

INTERNATIONAL CONGRESS ON NEURODEGENERATIVE DISEASES XVIII CIBERNED SCIENTIFIC FORUM

WEDNESDAY, APRIL 10

12:00 – 15:00 Registration and posters set-up

12:30 – 12:50

Welcome Ceremony

Excmo. Sr. D. Guillermo Quindós, Vice-Chancellor of Social and Scientific Development and Transfer, University of the Basque Country

Excma. Sra. Dra. Marina Pollán, Director of the Carlos III Institute of Health

Excmo. Sr. Juan María Aburto, Major of Bilbao

12:50 – 13:50

InterCIBER collaborations

CHAIRPERSON: Adolfo López de Munain

12:50 **Eduardo Gallardo**, CIBER of Rare Diseases, Sant Pau Hospital, Madrid

13:05 **Javier Meana**, CIBER of Mental Health, University of the Basque Country

13:20 **Leocadio Rodríguez Mañas**, CIBER of Frailty and Aging, Getafe University Hospital

13:35 **Maria Puy Portillo**, CIBER of Obesity and Nutrition, University of the Basque Country

13:50 – 15:00 Welcome cocktail & posters

15:00 – 16:30

Alzheimer's disease and other related disorders I

CHAIRPERSON: José J. Lucas

15:00 **Joaquín Castilla**, CIBERINFEC, CIC-bioGUNE, Derio

"A Noah's ark approach to understand the molecular basis of prion diseases"

15:45 **Javier Vitorica**, CIBERNED, Institute of Biomedicine of Seville "Connecting microglial metabolic dysfunction with tau pathology: Clinical relevance for Alzheimer's disease"

16:10 **Tomás Segura**, Albacete University, RICORS-ICTUA, ISCIII
"Neurological aspects of post-COVID syndrome" (Online)

16:35 – 17:00 Coffee break & postersrs

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17:00 – 19:30

Alzheimer's disease and other related disorders II

CHAIRPERSON: Eva Carro

- 17:05 **Teresa Gómez-Isla**, Massachusetts General Hospital
"New era and new challenges in the treatment of Alzheimer's disease"
- 17:50 **Ana Martínez Gil**, CIBERNED, CIB-CSIC "The role of TDP-43 in dementias: new target for therapeutic intervention"

18:15 – 19:30

Round table: Controversies around new therapies in Alzheimer's disease. Pros and Cons

CHAIRPERSON: Teodoro del Ser

- Pablo Martínez Lage**, CIBERNED, CITA-Alzheimer, San Sebastián "Eficacia"
- Mircea Balasa**, Hospital Clinic, IDIBAPS, Barcelona "Población diana. Seguridad y factores de riesgo"
- David Pérez**, 12 de Octubre Hospital, Madrid "Logística y aspectos económicos relacionados con la implementación de los nuevos tratamientos"
- Joaquín Escudero**, University Hospital of Valencia "Impacto global en el SNS"

THURSDAY, APRIL 11

9:00 – 10:35

Parkinson's disease and other motor neurodegenerative disorders

CHAIRPERSON: Isabel Fariñas

- 9:00 **Sandrine Humbert**, Paris Brain Institute, ICM
"Abnormal brain development sets the stage in Huntington disease"
- 9:45 **José J. Lucas**, CIBERNED, CBMSO, CSIC-UAM, Madrid
"Analysis of thiamine deficiency in Huntington's disease as a biomarker of progression and for evaluation of therapeutic response"
- 10:10 **Pablo Iruzubieta**, CIBERNED, Biodonostia Institute, San Sebastián
"Is missing heritability in late-onset ataxia revealed? Our single-center experience"

10:35 – 11:00 Coffee break & postersrs

11:00-13:05

Parkinson's disease and other motor neurodegenerative disorders II

CHAIRPERSON: José A. Obeso

- 11:00** **Paolo Calabresi**, Fondazione Policlinico Universitario Agostino Gemelli, Rome "Striatal synaptic transmission and alpha-synuclein in Parkinson's disease"
- 11:45** **Marta Martínez-Vicente**, CIBERNED, Vall d'Hebron Research Institute, Barcelona "Mapping intranasal nanoconjugates for Parkinson: MRI analysis of CNS targeting and biodistribution"
- 12:10** **Javier Blesa**, CIBERNED, HM-CINAC, Móstoles (Madrid) "From neuronal vulnerability to gene therapy in Parkinson's disease - The role of focused ultrasound"
- 12:35** **Ana I. Rodríguez-Pérez**, CIBERNED, University of Santiago "Autoimmunity against Renin-Angiotensin system in Parkinson's Disease"

13:00- 14:30 Lunch & posters

14:30 - 16:30

Late-breaking news / Poster highlights

CHAIRPERSON: Rosario Moratalla

- 14:30** **Ana Domingo-Muelas**, Young Investigator Award, University of Valencia "Post-transcriptional control of a stemness signature by RNA-binding protein MEX3A regulates murine adult neurogenesis"
- 14:50** **Paula Ramos-González**, CIBERNED, Achucarro Basque center for Neuroscience, Leioa "Human biomodels to study glial bioenergetic in Parkinson's disease"
- Fernando Cardona**, CIBERNED, Instituto de Biomedicina de Valencia-CSIC "GIGYF2 rare variants as a genetic marker for Parkinson's disease. Screening in a Basque population and systematic review."
- Mercè Masana**, CIBERNED, IDIBAPS, University of Barcelona "Light-dependent cAMP modulation in astrocytes trigger synaptic potentiation and behavioural changes in mice: role in Huntington's Disease"
- Nicolás Capelo**, CIBERNED, University of Seville "Microglia mitochondrial complex I deficiency during development induces glial dysfunction and early lethality"
- Yasmina Manso**, CIBERNED, University of Barcelona "A mammalian-specific Alex3/Gaq protein complex regulates mitochondrial trafficking, dendritic complexity, and neuronal survival"
- Tresa López-Royo**, CIBERNED, University of Zaragoza "LncRNAs in the CNS of SOD1G93A mice and ALS patients: new potential biomarkers and intervention targets"
- Isabel Lastres-Becker**, CIBERNED, IRYCIS, Complutense University of Madrid "Fighting frontotemporal dementia: uncovering the potential of CB2 receptor antagonists"
- Fátima Rubio**, CIBERNED, Institute of Biomedicine of Seville "Multiomic analysis upon genetic removal of CSPa/DNAJC5 in adulthood links altered lipid homeostasis to neurodegeneration"
- Inmaculada Cuchillo-Ibáñez**, CIBERNED, Miguel Hernandez University, Elche "Distribution of NMDA receptors in cortex of Alzheimer's disease patients: synaptic versus extrasynaptic membranes"



16:30 – 17:00 Coffee break & posters

17:00 – 18:30

Late-breaking news / Poster highlights

CHAIRPERSON: Jordi Pérez-Tur

- 17:00** **Christine Klein**, University Hospital Schleswig-Holstein, Lübeck
"Modifiers of penetrance in hereditary neurodegenerative diseases:
Mechanisms of disease protection"
- 17:45** **Patricia Gómez-Suaga**, CIBERNED, University of Extremadura, Cáceres
"ER-mitochondria contact sites in neurodegeneration"

18:10 – 19:00

**Colloquium with representatives of advocacy
organizations**

CHAIRPERSON: Adolfo López de Munain

Pedro Carrascal, Plataforma de Organizaciones de Pacientes

Karmele Zubizarreta, Asociación de Esclerosis Múltiple de Vizcaya (ADEMBI)

María del Carmen Torregosa, Federación Española de Parkinson

Laura Román, Con P de Parkinson

Ruth Blanco and Miren Jaione Basarrate, Federacion Española de Personas
afectadas por la Enfermedad de Huntington (FEPAEH-ACHE)

19:00 – 20:15 CIBERNED BOARD OF PIs

**19:00 – 20:15 YOUNG INVESTIGATORS MEETING (parallel
session)**

FRIDAY, APRIL 12

9:00 – 11:00

ALS and other neuromuscular disorders

CHAIRPERSON: Sonia Alonso-Martín

- 9:00** **Ammar Al-Chalabi**, King's College London "What do we know about ALS
genetics?"
- 9:45** **Elena Cortés**, CIBERER, Sant Pau Hospital, Barcelona "New insights in
myasthenia gravis"
- 10:10** **Jonathan Zegarra**, CIBERNED, Achucarro Basque Center for Neuroscience,
Leioa "Behavioral aspects of IGF-I neurobiology"
- 10:35** **Estela Area-Gómez**, CIB-CSIC, Madrid "The contribution of lipid dysfunction to
AD and its relevance to diagnosis"
- 11:00** **Ian Holt**, CIBERNED, Biodonostia Institute, Donostia "ALS and energy
metabolism"

11:25 – 12:00 Coffee break & postersrs





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12:00 – 14:00

Multiple Esclerosis, Neuroinflammation and neurodegeneration

CHAIRPERSON: Diego Clemente

- 12:00** **Luisa María Villar**, Ramón y Cajal University Hospital, Madrid "New biomarkers in multiple sclerosis"
- 12:45** **Laura Moles**, Biodonostia Institute, Donostia "Microbiota and multiple sclerosis"
- 13:00** **Carlos Matute**, CIBERNED, Achucarro Basque Center for Neuroscience, University of the Basque Country, Leioa "Myelin as a brain energy source in health and disease"
- 13:30** **Aurora Pujol**, CIBERER, Bellvitge Hospital-IDIBELL, Barcelona "Reactivating the GSK3/Nrf2 axis in adrenoleukodystrophy prevents axonal degeneration: moving to the clinic" (Online)

14:00 Summary and concluding remarks. Farewell

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