



VI

INTERNATIONAL CONGRESS ON RESEARCH AND INNOVATION IN NEURODEGENERATIVE DISEASES



CONGRESO INTERNACIONAL
DE INVESTIGACIÓN E INNOVACIÓN EN
ENFERMEDADES NEURODEGENERATIVAS

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SEPTEMBER
SEPTIEMBRE
19th 21st

Santiago de Compostela
2018

09:30 – 10:30 REGISTRATION AND POSTERS SET-UP

10:30 – 10:40 WELCOME AND INTRODUCTION

10:40 – 12:15 SCIENTIFIC SESSION I

Chairperson: Teresa Iglesias

Jordi Clarimón

CIBERNED, Sant Pau Research Institute

Using genetics for biomarker discovery and to unmask the genetic architecture of neurodegenerative disorders

Elena Alberdi

CIBERNED, University of the Basque Country

Mechanisms of neuronal and glial cell response in Alzheimer's disease

Pascual Sánchez Juan

CIBERNED, Marqués de Valdecilla Research Institute

Imaging of brain amyloid in real life

Silvia Ginés

CIBERNED, University of Barcelona

Targeting Cdk5 as an overall treatment for motor, cognitive and depressive symptoms in Huntington's Disease

Julia Pose Utrilla

CIBERNED Young Investigator Award

Excitotoxic inactivation of constitutive oxidative stress detoxification pathway in neurons can be rescued by PKD1

12:15 – 13:00 Coffee Break and Poster Session

13:00 – 13:15 OFFICIAL OPENING**WITH THE PRESIDENCY OF HER MAJESTY THE QUEEN SOFIA****13:15 – 14:00 KEYNOTE LECTURE***Harald-Jürgen Hampel**Sorbonne University*

Development of Precision Medicine for Alzheimer Disease

*Introduced by: Jesús Ávila***14:00 – 15:15 Lunch and Poster Session****15:15 – 16:55 PLENARY SESSION I***Michael T. Heneka**University of Bonn Medical Center*

Does innate immune activation drives Alzheimer disease?

*Introduced by: Jesús Ávila**Adriano Chiò**University of Turin*

The determinants of motor and cognitive phenotypes in ALS

*Introduced by: Xavier Navarro***16:55 – 17:10 Coffee Break**

WEDNESDAY
SEPTEMBER

19

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17:10 – 18:10

SCIENTIFIC SESSION II

Chairperson: Rafael Fernández Chacón

Joan Comella

CIBERNED, Vall d'Hebron Research Institute

Apoptotic and non-apoptotic functions of FAIM. Relevance in Alzheimer's Disease

José Rodríguez Álvarez

CIBERNED, Autonomous University of Barcelona

Postsynaptic proteins related to early synaptic dysfunction in Alzheimer's disease

José Antonio del Río

CIBERNED, University of Barcelona

Deciphering PrPC functions in neurotransmission and neurodegeneration

08:30 – 09:30 MEETINGS OF COOPERATIVE PROJECTS**09:30 – 11:00 SCIENTIFIC SESSION III***Chairperson: Rosario Moratalla**José Manuel Fuentes**CIBERNED, University of Extremadura*

Impaired mitophagy and protein acetylation levels in fibroblasts from Parkinson's disease patients

*Guadalupe Mengod**CIBERNED, Barcelona Biomedical Research Institute-CSIC*

cAMP-PDEs and neuroinflammation, searching for therapeutic targets: the last 10 years

*José Luis Lanciego**CIBERNED, Center of Applied Medical Research*

Gene therapy with glucocerebrosidase as a disease-modifying treatment for Parkinson's disease and related synucleinopathies

*Miquel Vila**CIBERNED, Vall d'Hebron University Hospital*

Role of neuromelanin in Parkinson's disease

11:00 – 11:30 Coffee Break**11:30 – 13:15 PLENARY SESSION II***Werner Poewe**Innsbruck Medical University*

Novel therapeutic targets for Parkinson's Disease

*Introduced by: Eduardo Tolosa**Ángel Carracedo**University of Santiago de Compostela*

The search for genes involved in neurodegenerative diseases:
Challenges and new strategies

Introduced by: José Luis Labandeira

13:15 – 15:15 Lunch and Poster Session

15:15 – 16:45 SCIENTIFIC SESSION IV

Chairperson: Ramón Trullás

Antonio Camins

CIBERNED, University of Barcelona

Role of brain insulin receptor in cognitive impairment: potential preventive drugs in a preclinical familial mixed model of Alzheimer's disease and obesity

Ignacio Torres

CIBERNED, Cajal Institute. CSIC

Insulin peptides and neurodegeneration: a peripheral-central dialog

Isabel Fariñas

CIBERNED, University of Valencia

Effects of toxic extracellular alpha-synuclein on adult neural stem cells

Javier de Felipe

CIBERNED, Cajal Institute. CSIC. Technical University

Conectoma, sinaptoma y enfermedad de Alzheimer Connectome, synaptome and Alzheimer's disease

16:45 – 17:00 Tribute To Professor Joaquín del Río

17:00 – 17:15 Coffee Break

17:15 – 18:30 CIBERNED Annual Report Meeting

08:30 – 09:30 MEETINGS OF COOPERATIVE PROJECTS**09:30 – 11:00 SCIENTIFIC SESSION V****Late-breaking news/poster highlights****Chairperson:** *Eva Carro**José Luis Cantero Lorente**CIBERNED, Pablo de Olavide University*

Decreased total antioxidant capacity is associated with lower glucose consumption in the temporal lobe of normal elderly subjects

*Ainara Elorza Peregrina**CIBERNED, Center for Molecular Biology "Severo Ochoa". CSIC*

RNA sequencing reveals alternative splicing dysregulation in striatum of Huntington's disease

*Rafael Fernández Chacón**CIBERNED, University of Seville*

Mouse genetics strategy to study molecular mechanisms of presynaptic neurodegeneration in cortical interneurons

*Carmen Rodríguez Cueto**CIBERNED, Complutense University of Madrid*

Genetic ablation of the CB2 receptor accelerates disease progression in TDP-43 transgenic mice, a genetic model of amyotrophic lateral sclerosis

*Francisco J. Gil Bea**CIBERNED, Biodonostia Research Institute*

Alterations of lipid metabolism define potential circulating biomarkers of amyotrophic lateral sclerosis

FRIDAY
SEPTEMBER
21

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Pablo Garrido Gil

CIBERNED, University of Santiago de Compostela

Bidirectional neural interaction between central dopaminergic and gut lesions in Parkinson's disease models

Eva Rodríguez Traver

CIBERNED, Cajal Institute CSIC

Effect of mutations in the GBA1 gene on iPSC-derived dopaminergic neurons derived from Parkinson's disease patients

Xavier D'Anglemont de Tassigny

CIBERNED, Virgen del Rocío University Hospital, University of Sevilla

Pharmacological stimulation of endogenous GDNF in the striatum: towards a future neuroprotective therapy in Parkinson's disease?

11:00 – 11:30 Coffee Break and Poster Session

11:30 – 13:20

SCIENTIFIC SESSION VI**Chairperson:** *Isabel Fariñas**Francisco Wandosell**CIBERNED, Center for Molecular Biology "Severo Ochoa". CSIC
Nanoliposomes as a therapeutic tool for Alzheimer's disease**Rafael Franco**CIBERNED, University of Barcelona**Microglia y Neuroprotección**Mª Jesús Bullido**CIBERNED, Autonomous University of Madrid**The lysosome pathway in Alzheimer's type neurodegeneration
induced by herpes simplex and oxidative stress**Agustín Ruiz**ACE Foundation**Demencia GWAS in the Spanish population: the GR@ACE/DEGESCO
project**Miguel Calero**CIBERNED, Carlos III Institute of Health**Epidemiological, clinical and molecular basis of neurodegenerative
diseases: Towards an integrated model of neurodegeneration*

13:20

CONCLUDING REMARKS

13:30

END OF THE MEETING

ORGANIZERS:



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IN GRATITUDE TO:



www.santiagodecompostela.gal



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COVER PICTURE:

Substantia nigra in a rat model of Parkinson's disease induced by α -synuclein overexpression using adeno-associated viral vectors (serotype 9; AAV9). Double immunofluorescence shows that dopaminergic neurons (tyrosine hydroxylase-positive; green) coexpress (yellow) α -synuclein (red)

José Luis Labandeira García

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