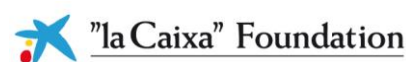


XI Conferencia Bienal *11<sup>th</sup> Biennial Conference*  
**Barcelona – Pittsburgh**

World Trade Center (Barcelona)

23 – 25 May 2018



In collaboration with  
**GRIFOLS**



# II Symposium on Dementia Genetics

CosmoCaixa (Carrer d'Isaac Newton, 26, 08022 Barcelona)

Miércoles, 23 de Mayo / Wednesday, May 23

**08:30 – 09:00** **Acreditación / Registration**

**09:00 – 10:00** **Mesa 1 / Panel 1 - Genetics of AD.**

Moderador / Chair: **Jordi Clarimón**, Hospital de Sant Pau, Barcelona.

09:00 – 09:20 Rare variants in Early onset in AD. Update of the ongoing ISCIII project.

**Pascual Sánchez-Juan**. HU. Marqués de Valdecilla. University of Cantabria, Santander.

09:20 – 09:40 European Alzheimer's disease Biobank. An update.

**Jean Charles Lambert**. Institut Pasteur (Lille).

09:40 – 10:00 Advances in Genetics and Epigenetics of AD. Alzheimer's disease Sequencing Program.

**Sudha Seshadri**. Boston University. Alzheimer's disease Center.

**10:00 – 10:30** **Pausa Café / Coffee Break**

**11:00 – 11:30** **Inauguración / Official opening**

With the participation of Fundació Bancària "la Caixa", Grifols, Fundació ACE and Fundación Reina Sofía representatives.

**11:30 – 12:30** **Mesa 2 / Panel 2 - GR@ACE/DEGESCO GWAS project. Results obtained in stage I.**

Moderadores / Chairs: **Mercè Boda**, Fundació ACE. Barcelona

11:30 – 12:00 Design and implementation of the Spanish Biobank / GWAS array.

**Ángel Carracedo**. Director del Centro Nacional de Genotipado. Santiago de Compostela.

12:00 – 12:30 GR@ACE project Stage I. Results.

**Agustín Ruiz**. Fundació ACE. Barcelona.

**12:30 – 14:00** **Mesa 3 / Panel 3 - Beyond GWAS: understanding the biology behind genetics findings.**

Moderadores / Chairs: **Alfredo Ramírez**, University of Cologne, **Manel Esteller**, IDIBELL – Bellvitge Biomedical Research Institute, Barcelona.

12:30 – 13:00 Epigenetic dysregulation within the brainstem in the development and course of Alzheimer's disease.

**Daniel van den Hove**, Maastricht University.

13:00 – 13:30 The effect of common variants above and beyond APOE on the age at onset of Alzheimer's disease.

**Sven van der Lee**, VUMC Amsterdam.

13:30 – 14:00 BDNF Val66Met polymorphism moderates the effect of Alzheimer pathology on hippocampal network connectivity.

**Michael Ewers**, ISD, Klinikum der Universität München.

**14:00** **Lunch**



# Intensive Workshop on ETHICS

World Trade Center Barcelona

Miércoles, 23 de Mayo / Wednesday, May 23

14:00 – 15:30 **Acreditación / Registration**

15:30 – 18:30 **TALLER DE ÉTICA / WORKSHOP ON ETHICS**

15:30 – 15:40 **Welcome and objectives**

By: **Mercè Boada**, *Fundació ACE, Barcelona*, **Frank Jessen**, *University of Cologne. PreDADQoL Study.*

15:40 – 16:35 **Mesa / Panel – Predictive Diagnosis of Alzheimer's disease: Quality of Life of Individuals at Risk and their Close Other (PreDADQoL).**

Moderadores / Chairs: **Núria Terribas**, *Director of Fundació Víctor Grifols i Lucas*, **Christiane Woopen**, *Cologne Center for Ethics, Rights, Economics, and Social Sciences of Health- CERES. University of Cologne. PreDADQoL Study.*

15:40 – 16:05 Ethics and Alzheimer's: what is changing.  
**Núria Terribas**, *Director of Fundació Víctor Grifols i Lucas.*

16:05 – 16:20 Effects of biomarker-based dementia risk disclosure in patients with MCI – Design of the clinical subproject in the PreDADQoL study.  
**Ayda Rostamzadeh**, *University of Cologne.*

16:20 – 16:35 Expectations of MCI patients and their caregivers towards biomarker-based predictive AD diagnosis – Preliminary findings from the PreDADQoL study.  
**Carolin Schwegler**, *Cologne Center for Ethics, Rights, Economics, and Social Sciences of Health- CERES. University of Cologne. PreDADQoL Study.*

16:35 – 17:35 **Mesa / Panel – How to manage disclosures using biomarkers?**

Moderadores / Chairs: **Frank Jessen**, *University of Cologne*, **Mercè Boada**, *Fundació ACE, Barcelona*

16:35 – 16:55 Cerebrospinal fluid (CSF) biomarkers.  
**Albert Lleó**, *Unitat de Demències Hospital Sant Pau (Barcelona).*

16:55 – 17:15 Positron emission tomography (PET) imaging.  
**Jennifer Lingler**, *Department of Health and Community Systems, University of Pittsburgh.*

17:15 – 17:35 Disclosure of APOE Genotype and Risk of Alzheimer's disease.  
**Scott Roberts**, *Genomics, Health & Society Program, Center for Bioethics and Social Sciences in Medicine, University of Michigan.*

17:35 – 17:50 **Pausa Café / Coffee Break**

17:50 – 18:30 **Debate / Discussion**

Moderador / Chair: **Björn Schmitz-Luhn**, *PreDADQoL project, University of Cologne.*

**Albert Lleó** *Unitat de Demències. Hospital Sant Pau, Barcelona*  
**Jennifer Lingler** *Department of Health and Community Systems, University of Pittsburgh*  
**Scott Roberts** *Genomics, Health & Society Program, Center for Bioethics and Social Sciences in Medicine, University of Michigan.*

**Christiane Woopen** *Cologne Center for Ethics, Rights, Economics, and Social Sciences of Health- CERES. University of Cologne. PreDADQoL Study.*

**Silvia Gil** *Fundació ACE, Barcelona. PreDADQoL Study.*  
**Frank Jessen** *University of Cologne. PreDADQoL.*





07:30 – 08:30 **Acreditación / Registration**

08:30 – 09:00 **Hot topic lecture - Challenges and Progress in Imaging Proteinopathies.**

By **Chester Mathis**, *University of Pittsburgh*.

Moderador / Chair: **Gemma Monté**, *Fundació ACE, Barcelona*

09:00 – 10:00 **Mesa / Panel - Neuroimagen / Neuroimaging**

Moderadores / Chairs: **Chester Mathis**, *University of Pittsburgh*, **Gemma Monté**, *Fundació ACE, Barcelona*

09:00 – 09:20 Perplexes of current Tau PET imaging: importance of neuropathology validation.  
**Milos Ikonovic**, *University of Pittsburgh*.

09:20 – 09:40 Analysis of anatomical MRI using SPM.  
**John Ashburner**, *Wellcome Trust Centre for Neuroimaging, University College London*.

09:40 – 10:00 Two-year longitudinal monitoring of amnesic mild cognitive impairment patients with prodromal Alzheimer's disease using topographical biomarkers derived from resting state fMRI.  
**Jorge Jovicich**, *Università degli Studi di Trento*.

10:00 – 10:15 **Pausa Café / Coffee Break**

10:15 – 10:45 **Hot topic lecture - Use of amyloid imaging in clinical trials and for the validation of fluid Biomarkers.**

By **Victor Villemagne**, *University of Melbourne*

Moderador / Chair: **Pedro Pesini**, *Araclon*.

10:45 – 11:45 **Mesa / Panel – Biomarcadores / Biomarkers**

Moderadores / Chairs: **Victor Villemagne**, *University of Melbourne*, **Pedro Pesini**, *Araclon*.

10:45 – 11:05 Albumin functionality in Alzheimer Disease.  
**Montserrat Costa**, *Grifols, Barcelona*.

11:05 – 11:25 Omics approximation in the study of CSF in AD patients.  
**Gerard Piñol**, *Hospital Universitari de Santa Maria, Lleida / Universitat de Lleida*.

11:25 – 11:45 Novel Insights into the Functional Plasma Proteome in Alzheimer's disease.  
**Steven Braithwaite**, *Alkahest, San Carlos, CA*.

11:45 – 12:45 **Inauguración / Official Opening**

**V Premio "Fundació ACE. Joan Boada & Mercè Rovira" / 5<sup>th</sup> "Fundació ACE. Joan Boada & Mercè Rovira" award**

Presentado por: / Introduced by: **Lluís Tárraga**, *Fundació ACE, Barcelona*.

12:45 – 13:15 **Hot topic lecture - Explorations in the aging human connectome.**

By **James T. Becker**, *University of Pittsburgh*.

Moderador / Chair: **Lluís Tárraga**, *Fundació ACE, Barcelona*.

13:45 – 14:45 **Almuerzo / Lunch**

15:00 – 15:30 **Hot topic lecture - Epigenomics of Dementia.**

By **Manel Esteller**, *IDIBELL – Bellvitge Biomedical Research Institute, Barcelona*

Moderador / Chair: **Agustín Ruiz**, *Fundació ACE, Barcelona*.



15:30 – 16:30

**Mesa / Panel – Avances en genética / Advances in genomics.**

Moderadores / Chairs: **Manel Esteller**, IDIBELL – Bellvitge Biomedical Research Institute, Barcelona, **Agustín Ruiz**, Fundació ACE, Barcelona.

15:30 – 15:50 How Can we Accelerate Dementia Prevention and Treatment? Population Neuroscience and Personalized Care.  
**Sudha Seshadri**, Boston University, Alzheimer's disease Center.

15:50 – 16:10 Exploring biological consequences of genetic risk factors for Alzheimer's disease.  
**Alfredo Ramírez**, University of Cologne.

16:10 – 16:30 Genetic risk for schizophrenia and psychosis in Alzheimer disease.  
**Robert Sweet**, Psychiatry Dept. University of Pittsburgh.

16:30 – 17:00

**Hot topic lecture - Innovative strategies in AD.**

By **Norman Relkin**, Weill Cornell Medical College.

Moderador / Chair: **Mercè Boada**, Fundació ACE, Barcelona.

17:00 – 18:00

**Mesa / Panel – Innovative Strategies 1.**

Moderadores / Chairs: **Norman Relkin**, Weill Cornell Medical College, **Mercè Boada**, Fundació ACE, Barcelona.

17:00 – 17:15 Update on the clinical development of ABvac40, an active immunotherapy against Alzheimer's disease.  
**Pedro Pesini**, Araclon.

17:15 – 17:30 Plasma Exchange in Alzheimer's disease.  
**Antonio Páez**, Grifols.

17:30 – 17:45 Aducanumab 36-Month Data from the PRIME Study: A Randomized, Double-Blind, Placebo-Controlled Phase 1b Study in Patients with Prodromal or Mild Alzheimer's disease.  
**Carmen Castrillo-Viguera**, Clinical Development AD, Biogen.

17:45 – 18:00 Lilly BACE Inhibitor Program and Early Phase Pipeline.  
**Adam Fleisher**, Lilly.

18:00 – 18:15

**Pausa Café / Coffee Break**

18:15 – 19:00

**Mesa / Panel – Innovative Strategies 2**

Moderador / Chair: **Isabel Hernández** Fundació ACE, **Carla Abdelnour**, Fundació ACE, Barcelona

18:15 – 18:30 Disease modifying combination therapy in next generation clinical trials.  
**Adam Fleisher**, Lilly.

18:30 – 18:45 Roche in Alzheimer's disease - Current developments.  
**Vera Zingler**, Alzheimer's Disease Global Medical Team Leader Crenezumab, Roche.

18:45 – 19:00 AbbVie's vision for interventions in Alzheimer's Disease.  
**Olga Sánchez**, ABBVIE.

19:00 – 19:30

**Hot topic lecture – Present and future of CSF biomarkers.**

By **Charlotte Teunissen**, VU University Medical Center.

Moderador / Chair: **Adela Orellana**, Fundació ACE, Barcelona.



- 08:30 – 09:00**     **Hot topic lecture - The long term prediction of incident dementia by commonly used biomarkers: amyloid deposition, neurodegeneration and vascular disease.**  
By **Oscar López**, *University of Pittsburgh*.  
Moderador / Chair: **Marta Marquié**, *Fundació ACE, Barcelona*.
- 09:00 – 10:00**     **Mesa / Panel – Cohortes españolas / Spanish cohorts.**  
Moderadores / Chairs: **Óscar López**, *University of Pittsburgh*, **Marta Marquié**, *Fundació ACE, Barcelona*.
- 09:00 – 09:15     FACEHBI: Fundació ACE Healthy Brain Initiative for the study of cognition and biomarkers in individuals with Subjective Cognitive Decline.  
**Gemma Monté**, *Fundació ACE, Barcelona*.
- 09:15 – 09:30     The Vallecas Project: Predicting future development of mild cognitive impairment in the cognitively healthy elderly.  
**Bryan Strange**, *Director, Dep. Neuroimagen del Centro de Enfermedad de Alzheimer, Fundación Reina Sofía-CIEN, Madrid, Spain*.
- 09:30 – 09:45     Proyecto Gipuzkoa Alzheimer; estudio Deba; programa GOIZ-Beasain.  
**Mikel Tainta**, *Center for Research and Advanced Therapies, Fundación CITA-alzheimer Fundazioa, Donostia/San Sebastian*.
- 09:45 – 10:00     The ALFA Study. First results in a middle-aged cognitively healthy cohort.  
**Gonzalo Sánchez Benavides**, *Fundación Pasqual Maragall*.
- 10:00 – 10:30**     **Hot topic lecture - Subjective Cognitive Decline: a new scope.**  
By **Frank Jessen**, *University of Cologne*.  
Moderador / Chair: **Octavio Rodríguez**, *Fundació ACE, Barcelona*.
- 10:30 – 11:00**     **Pausa Café / Coffee Break**
- 11:00 – 12:00**     **Mesa / Panel – Predicción y prevención / Prediction and prevention.**  
Moderadores / Chairs: **Frank Jessen**, *University of Cologne*, **Octavio Rodríguez**, *Fundació ACE, Barcelona*.
- 11:00 – 11:15     Models of Patient Engagement for Alzheimer's Disease (MOPEAD): estrategias para el diagnóstico precoz en la comunidad.  
**Octavio Rodríguez**, *Fundació ACE, Barcelona*.
- 11:15– 11: 30     Does the prevalence of MCI decline? Evidence from a prospective, population-based longitudinal study with a follow-up of 25 years.  
**Johannes Schroeder**, *Universidad de Heilderberg*.
- 11:30 – 11:45     Using PET imaging to study Alzheimer's disease pathology: A Role for Lifestyle?  
**Ann D. Cohen**, *University of Pittsburgh*.
- 11:45 - 12:00     Sustaining Brain Health and Promoting Resilience to Prevent Dementia.  
**Álvaro Pascual-Leone**, *Harvard Medical School, Boston & Institut Guttmann, Barcelona*.
- 12:00 – 12:30**     **Hot topic lecture- Presymptomatic brain changes in familial Alzheimer's disease: implications for prevention trials.**  
By **Yakeel T. Quiroz**, *Director, Familial Dementia Neuroimaging Lab, Massachusetts General Hospital, Boston*.  
Moderador / Chair: **Marcelo Berthier**, *Fundació ACE, Barcelona*.



Viernes, 25 de Mayo / Friday, May 25

12:30 – 13:00

**Mesa / Panel – New approaches on neuropsychology.**

Moderadores / Chairs: **Marcelo Berthier**, Universidad de Málaga, **Montse Alegret**, Fundació ACE, Barcelona.

12:30 – 12:40 Cambios cerebrales adaptativos o compensatorios en la organización del lenguaje en el envejecimiento.  
**Marcelo Berthier**, Universidad de Málaga.

12:40 – 12:50 The Spanish version of Face-Name Associative Memory Exam (S-FNAME) performance is related to brain amyloid burden in Subjective Cognitive Decline  
**Montserrat Alegret**, Fundació ACE, Barcelona.

12:50 – 13:00 Accelerated long-term forgetting in asymptomatic individuals at risk of familial and sporadic Alzheimer's disease.  
**Chris Butler**, Nuffield Department of Clinical Neurosciences. Oxford University.

13:00 – 13:30

**Conclusiones finales y escenario futuro / Final remarks and future scope**

Chairs: **Mercè Boada** Fundació ACE, Barcelona, **Agustín Ruiz**, Fundació ACE, Barcelona.

**Oscar Lopez** University of Pittsburgh, Scientific Committee of Fundació ACE.

**Jesús Ávila** Centro de Biología Molecular Severo Ochoa, Madrid. Scientific Committee of Fundació ACE.

**James Becker** University of Pittsburgh. Scientific Committee of Fundació ACE.

**Chet Mathis** University of Pittsburgh. Scientific Committee of Fundació ACE.

13:30 – 13:45

**Clausura / Closing Ceremony**

By **Lluís Tárraga**, Fundació ACE, Barcelona and **Xavier Corbella**, Vicedecano, Facultat de Medicina de la Universitat Internacional de Catalunya (UIC).

