







A comprehensive overview of the dynamic field of biomarkers for neurodegenerative diseases with a focus on Alzheimer's disease.

15 to 19 MAY, 2023

Barcelonaβeta Brain Research Center

VENUE multipurpose room FPM	Monday 15-MAY	Tuesday 16-MAY	Wednesday 17-MAY	Thursday 18-MAY	Friday 19-MAY
CHAIR >	MARTA DEL CAMPO MARC SUÁREZ-CALVET	MICHEL J. GROTHE GEMMA SALVADO	MARTA MILÀ-ALOMÀ ROSS PATERSON	MICHAEL SCHÖLL NÚRIA TORT	CAROLINA MINGUILLÓN ORIOL GRAU
8:15 - 9:15	8:30 Registration 9:15 - 9:45 Welcome and Course Introduction	Clinical presentations of neurodegenerative diseases Jonathan Schott/ UCL	Core CSF biomarkers Henrik Zetterberg/ UGOT, UCL	Introduction to MRI Nick C. Fox/UCL	How biomarkers support drug development and clinical trials in neurodegenerative diseases Kristin Wildsmith/Eisai
9:15 - 10:15	9:45 - 10:15 PROJECT INTRODUCTION	Amyloid PET imaging William Jagust/ UC Berkeley	Novel CSF biomarkers Ann Brinkmalm/ UGOT, UCL	Structural MRI Nick C. Fox/UCL	Digital biomarkers Alexandra König/ Université Côte d'azur, UCA
COFFEE BREAK					
10:45 - 11:45	Pathology of neurodegenerative diseases Tammaryn Lashley/UCL	Tau PET imaging William Jagust/ UC Berkeley	Blood-based biomarkers Kaj Blennow/ UGOT	Functional MRI Martina Callaghan/ UCL	 PROJECT PRESENTATIONS Head Evaluation Panel: Juan Domingo Gisbert Evaluation Panel: Marta del Campo, William Jagust, Ross Paterson, Michael Schöll, Natalia Vilor-Tejedor i Kristin Wildsmith
11:45 - 12:45	PET imaging of synaptic and neurodegeneration Maura Malpetti/ University of Cambridge	Genetics in neurodegenerative diseases <small>ONLINE</small> Sir John Hardy/UCL	Blood-based biomarkers Nicholas Ashton/ UGOT, UCL	PET imaging of inflammation Paul Edison/ Imperial College	
LUNCH					
CHAIR >	FEDERICA ANASTASI PAULA ORTIZ	MICHEL J. GROTHE GEMMA SALVADO	KARINE FAURIA RAFFAELE CACCIAGLIA	MARTA DEL CAMPO MARC SUÁREZ-CALVET	12:45 - 14:00 LUNCH BREAK 15:00 - 16:00 WRAP UP
14:00 - 15:00	Pathophysiological subtypes of AD and other neurodegenerative disorders Betty Tijms/ Amsterdam UMC	PET methodology Mark Lubberink/ Uppsala University	Concordance of fluid- and imaging-based biomarkers <small>ONLINE</small> Niklas Mattsson- Carlgren/ Lund University	Biomarker panels for protein profiling Mariana Fontes/ OLINK	
15:00 - 16:00	Immunochemical methods Ulf Andreasson/ UGOT	 SEMINARS I/II* <small>VENUE 5TH FLOOR FPM BUILDING</small>	Mass spectroscopy & proteomics Johan Gobom/UGOT	 PROJECT PREPARATION <small>VENUE 5TH FLOOR FPM BUILDING</small>	
COFFEE BREAK					
16:30 - 17:30	MS imaging of AD pathology Jörg Hanrieder/UGOT	 SEMINARS I/II* <small>VENUE 5TH FLOOR FPM BUILDING</small>	 PROJECT PREPARATION <small>VENUE 5TH FLOOR FPM BUILDING</small>	 PROJECT PREPARATION <small>VENUE 5TH FLOOR FPM BUILDING</small>	
17:30 - 18:30	AD Drug Development Pipeline Clinical Trial and Therapeutic Developments <small>ONLINE</small> Jeffrey Cummings / University of Nevada, Las Vegas	18:30 - 20:00		NETWORKING Happy hour cheese&wine	
		20:00	SOCIAL DINNER		

SEMINARS

SEMINAR I

CHAIR > Natalia Vilor-Tejedor
"Biomarker statistics"
by Michael Donohue/USC

- FLUID BIOMARKER STUDIES
- IMAGING BIOMARKER STUDIES
- LONGITUDINAL STUDIES

SEMINAR II CHAIR > Marta del Campo

"Development of Fluid based Biomarkers:
from discovery to clinical implementation,
a practical view"

- FLUID BIOMARKERS DISCOVERY
Olivia Belvin/Hospital de la Santa Creu i Sant Pau
- ASSAY DEVELOPMENT AND CLINICAL VALIDATION
Inge Verberk/Amsterdam UMC
- CLINICAL IMPLEMENTATION
Mircea Balasa/Hospital Clinic Barcelona

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