

June 6th, 2024, 14:00 - June 7th, 2024, 17:30

Venue: Genopolys, Montpellier

Participation: Free of charge, registration required

Symposium co-organized by the Centre d'Excellence Maladies Neurodégénératives : CoEN of Montpellier and the European Partnership on Metrology (EPM) NEuroBioStand

Symposium: Biomarkers in Neurodegenerative Diseases



Symposium: Biomarkers in Neurodegenerative Diseases Preliminary Program

Thursday 6th of June 2024 (14h-18h10)

14h00 Introduction of the congress

SESSION 1: Standardization and Normative Frameworks in Neurodegenerative Disease Blood Biomarkers

- 14h30 **Chiara Giangrande (LNE, Paris)**
30' *Standardisation of Measurements of Neurodegenerative Disease Biomarkers: The NEuroBioStand Project.*
- 15h00 **Charlotte Teunissen (VUMC, Amsterdam)**
30' *Addressing Preanalytical Variability: Towards Reliable Blood Biomarker Assessments in Neurodegenerative Disorders.*
- 15h30 **Sylvain Lehmann (CoEN Montpellier, CHU, Montpellier)**
30' *Establishing Population-Specific Norms: for Blood Biomarkers in neurodegenerative Disorders through the AXA Interval Project.*

16h00-16h30 Coffee Break

SESSION 2: Biomarkers in Neurodegenerative Diseases using Omics / IA

- 16h30** **Johan Gobom (University of Gothenburg)**
15' *Mass spectrometric measurement of pTau in CSF and plasma.*
- 16h45** **Cristian Arsene (PTB, Braunschweig)**
15' *Xlinking MS for structure analysis of tau/phosphorylated tau and other proteins.*
- 17h00** **Grégory Kuchcinski or Renaud Lopes (LiCeND, University of Lille, Inserm, CHU Lille, Lille Neuroscience & Cognition)**
15' *Artificial intelligence applied to imaging in Alzheimer's disease.*
- 17h15** **GOLD SPONSOR - ALAMAR**
15' *A new ultra-sensitive proteomics platform for profiling low abundant fluid-based inflammatory and neurodegenerative disease biomarkers in highly multiplex panels*

17h30-18h10: Plenary Session

- 17h30** **Henrik Zetterberg (University of Gothenburg)**
40' *Fluid Biomarkers for Neurodegenerative Dementias: Brawlers, Bawlers and Bastards*

Friday 7th of June 2024 (8h30-18h00)

- 8h30** **Welcoming Coffee**

SESSION 3: Biomarkers in Synucleinopathies

- 9h00** **Christophe Hirtz (CoEN Montpellier, IRMB, INM, Montpellier)**
15' *Multiplex and targeted mass spectrometry for the quantification of synuclein proteoforms.*
- 9h15** **Sabrina Boulet and Florence Fauvelle (Green, GIN, Grenoble)**
30' *A blood metabolic biomarker for Parkinson disease early diagnosis and potential therapeutic target.*
- 9h45** **Olivier Rascol (Neurotoul, CHU, Toulouse)**
30' *Clinical trial and biomarker: lixisenatide in Parkinson disease*

10h15-10h45: Coffee Break

SESSION 4: Biomarkers in Alzheimer's Disease

- 10h45** **Vincent Planche (BIND, CHU Bordeaux)**
30' *Blood biomarkers of Alzheimer's Disease: insights from the MEMENTO cohort.*
- 11h15** **Nicolas Villain (IM2A, Sorbonne University, Paris)**
30' *Biomarkers of Alzheimer's disease.*

11h45 **Aude Nicolas (LiCeND, Institut Pasteur, Lille)**
30' *Transferability of a European-derived Alzheimer's Disease Genetic Risk Score across Multi-Ancestry Populations.*

SESSION 5 (1st part) : Biomarkers in other Neurodegenerative diseases

12h15 **Peter Körtvélyessy (Charité University hospital, Berlin)**
15' *NfL in ALS and FTD.*

12h30-14h40: Lunch break + Poster session

14h40 : GOLD SPONSOR - QUANTERIX

15' *Simoa® Technology for Ultrasensitive Biomarker Detection: Translational blood based neurological biomarkers and beyond*

15h00 : GOLD SPONSOR – OLINK

15' *Olink Proteomics - From bench to clinical enablement : Next generation Multiplex Protein measurement to accelerate Precision Medicine.*

SESSION 5 (2nd part) : Biomarkers in other Neurodegenerative diseases

15h15 **David Bendetowicz (BIND, CHU, Bordeaux)**
15' *Advances in biofluid markers for multiple system atrophy.*

15h30 **Natalia Del Campo (Neurotoul, CHU, Toulouse)**
15' *Imaging and biological Biomarkers in a cohort of patients with MSA.*

SESSION 6: Microbiota Biomarkers

15h45 **Sylvie Claeysen (IGF, Montpellier)**
20' *Microbiota and gut-derived biomarkers in Alzheimer's disease*

16h05 **Maxime Seignobos (University Grenoble-Alpe, Grenoble)**
15' *Fecal biomarkers: a new potential tool for early diagnosis of Alzheimer's disease.*

16h20-17h00: Plenary session

16h20 **Luc Buée (LiCeND, University of Lille, Inserm, CHU Lille, Lille Neuroscience & Cognition)**
The tau protein... born to be a biomarker...

17H00 : Round Table

The future of biomarkers

18h: End of the symposium