



## Third «pHysiopathology Of Parkinson's disEase» (HOPE) Meeting

Bordeaux, January 29-31, 2025

### Preprogram:

#### DAY 0 January 29

18h30-20h00 (Amphithéâtre Léon Duguit - Université de Bordeaux)

Talk Grand public (in French, evening):

Talk by Pr. David Devos, Neurologist and Professor in Medical Pharmacology (Lille, France) - Confirmed

#### DAY 1 January 30

##### MORNING

##### **8h00-8h30: Opening of the conference**

Welcoming of the congress - Welcoming of Participants - Organization committee and Neuratris: Dr. Philippe Hantraye (Fontenay aux Roses, France)

##### Session 1: Physiopathology

1) 8h30-9h00: Cortical somatostatin interneurons as a (potential) therapeutic target in Parkinson's disease

Laurent Venance (Paris France) - Confirmed

2) 9h00-9h30: Functions of the external globus pallidus in motor control in health and Parkinson's disease

Jérôme Baufreton (Bordeaux, France) - Confirmed

3) 9h30-9h50: 2 Flash talks (Junior)

##### **9h50-10h20: Coffee Break**

##### Session 2: Imagery

1) 10h20-10h50: Parkinson's disease and multiple system atrophy: the usefulness of clinical biomarkers and neuroimaging

Margherita Fabbri (Toulouse, France) - Confirmed

2) 10h50-11h20: Neuromelanin-sensitive MRI: a biomarker of substantia nigra degeneration in Parkinson's disease

Stéphane Lehericy (Paris, France) - Confirmed

3) 11h20-11h30: 1 Flash talk (Junior)

##### Session 3: Patients and associations

1) 11h30-11h40: Patient's testimony

2) 11h40-11h50: Marie Fuzzati – Association France Parkinson - Confirmed

3) 11h50-12h00 : Marion Lévy - Fondation Vaincre Alzheimer - Confirmed

**12h00-14h00: Lunch – Discussion – Networking + poster session (13h-14h)**

## **AFTERNOON**

### **Session 4: Synucleinopathy Part I**

**1) 14h00-14h30: Understanding multiple system atrophy pathogenesis : from amyloid structure to brain pathology and the other way around.**

Florent Laferrière (Bordeaux, France) - Confirmed

**2) 14h30-15h00: Functional and neuropathological changes induced by distinct alpha-synuclein strains**

Romina Aron Badin (Fontenay aux Roses, France) - Confirmed

**3) 15h00-15h30: Alpha-synuclein in the brain and digestive tract: the same battle?**

Pascal Derkinderen (Nantes, France) - Confirmed

**4) 15h30-15h50: 2 Flash talks (Junior)**

**15h50-16h20: Coffee Break**

### **Session 4: Synucleinopathy Part II**

**1) 16h20-16h50: Unraveling the role of alpha-synuclein aggregation in Parkinson's disease and related disorders**

Veerle Baekelandt (Leuven, Belgium) - Confirmed

**2) 16h50-17h20: The role of periventricular microglia in Parkinson's disease.**

Isabel Fariñas (Valencia, Spain) - Confirmed

**4) 17h20-17h40: 2 Flash talks (Junior)**

## **DAY 2 January 31**

### **MORNING**

**8h15-8h30 Welcoming**

### **Session 5: Genetics and environment**

**1) 8h30-9h00: Monogenic forms of Parkinson's disease: from genes to precision medicine**

Alexis Brice (Paris France) - Confirmed

**2) 9h00-9h30: Environmental, Genetics and PD**

Alexis Elbaz (Paris, France) - Confirmed

**3) 9h30-9h50: 2 Flash talks (Junior)**

**9h50-10h20: Coffee Break**

### **Session 6: Organelles**

**1) 10h20-10h50 ATP13A2 in Parkinson's disease: Implications of disturbed lysosomal polyamine transport**

Peter Vangheluwe (Leuven, Belgium) - Confirmed

**2) 10h50-11h20 Mitochondria-lysosomes crosstalk in Parkinson's disease: a role for alpha-synuclein**

Marisa Brini (Padoue, Italy) - Confirmed

**3) 11h20-11h40: 2 Flash talks (Junior)**

### **Session 7: Translational development Part I**

**1) 11h40-12h10 Dyskinesia and protection in preclinical models of Parkinson's disease**

Elaine Del Bel (Sao Paulo, Brazil) - Confirmed

**2) 12h10-12h40 Towards brain-controlled therapies of brain and spinal cord to alleviate deficits of gait and balance in Parkinson's patients**

Edouardo Martin Moraud (Lausanne, Switzerland) - Confirmed

**3) 12h40-13h00: 2 Flash talks (Junior)**

**13h00 - 13h10 Best poster presentation award**

**13h10 - 14h00 Lunch - Discussion - Networking and Picture (13h50-14h00)**

## **AFTERNOON**

### **Session 7: Translational development Part II**

**1) 14h00 - 14h30 GLP-1 receptor agonists for treating PD and MSA**

Wassilios Meissner (Bordeaux, France) - Confirmed

**2) 14h30 - 15h00 A metabolic biomarker for an improved diagnosis of Parkinson disease**

Sabrina Boulet (Grenoble, France) – Confirmed

### **Session 8: Stem cells and OMICS**

**1) 15h00 - 15h30 Assembling region-specific human brain organoids to model Parkinson's disease**

Philippe Ravassard (Paris, France) - Confirmed

**2) 15h30- 16h00 Neuroimmune Interactions in Stem cells**

Michela Deleidi (Paris, France) - Confirmed

**3) 16h00 – 16h20: 2 Flash talks (Junior)**

**4) 16h20 – 16h30: Best oral presentation and Conclusions**