



**AND THE ROLE OF NATURAL MOLECULES  
IN MAINTAINING BRAIN HEALTH**

**BRAIN AGING, NEURODEGENERATION AND THE ROLE OF NATURAL  
MOLECULES IN MAINTAINING BRAIN HEALTH**

**Scientific Meeting**

Polish Academy of Sciences Scientific Center in Paris  
74, rue Lauriston,  
75116 Paris

October, 11-13 2023

## PROGRAMME

Wednesday, October 11

### *Brain aging and neurodegenerative diseases*

**09:00-9:15 Welcoming Remarks**

**Dr Eng. Magdalena Sajdak**, PAS Scientific Center in Paris, France

**Dr Malgorzata Kujawska**, Poznań University of Medical Sciences, Poland

**9:15-10:00 Dr Andrii Domanskyi** - Orion Pharma, Helsinki, Finland

*“Targeting pathological protein aggregation in neurodegeneration: dead end or a new hope?”*

**10:00-10:45 Dr Rosanna Parlato** - Mannheim Center of Translational Neuroscience  
Medical Faculty Mannheim Heidelberg University, Mannheim, Germany

*“Dysregulation of quality control mechanisms in age-related neurodegenerative diseases”*

**10:45-11:00 COFFEE BREAK**

**11:00-11:45 Dr Witold Konopka** - Laboratory of Neuroplasticity and Metabolism Dept. of  
Life Sciences and Biotechnology PORT Łukasiewicz, Wrocław, Poland

*“Neuronal microRNA function in health and disease”*

**11:45-12:30 Dr Katarzyna Kuter-Nowak** - Dept Neuropsychopharmacology Maj Institute  
of Pharmacology PAS, Krakow, Poland

*“Glial cells – a new player in Parkinson’s disease animal models”*

**12:30-13:45 LUNCH BREAK** (lunch at own cost)

**13:45-14:30 Dr Vittorio Maglione** - IRCCS Neuromed, Pozzilli (IS), Italy

*“Glycosphingolipid metabolism as potential therapeutic target for Huntington's disease”*

**14:30-15:15 Prof. Pierre-Marie Lledo** - Laboratory of “Genes, Synapses and Cognition” at  
the CNRS and laboratory of “Perception and Memory” at the Pasteur Institute,  
Paris, France

*“The embodied brain”*

**15:15-15:30 COFFEE BREAK**

**15:30-16:00 Dr Grzegorz Kreiner** - Dept Brain Biochemistry Maj Institute of Pharmacology

PAS, Kraków, Poland

*“CEPHARES – a new R&D center at the Maj Institute of Pharmacology: mission, opportunities, perspectives”*

**16:00-16:20** ERC grants - Polish Academy of Sciences - Excellence in Science Department, Anna Urbańska

**16:20-16:45** NAWA grants - Katarzyna Pietruszyńska

presentation of available grant programs for scientists by representatives of these organizations

**16:45** Day One Summary

**Thursday, October 12**

***Effect of nutrition on the brain. AI and nanotechnology in neurodegenerative diseases***

**9:15-16:45 All day poster session**

*Presenters are expected to mount their posters before the first lecture at the lobby or courtyard (if weathers allows). Poster size: vertical, preferably 70x100 cm, mounted by clips on the prepared stands. Presenting Authors are expected to be at their posters during the lunch break*

**9:15-10:00 Prof. Gerard Clarke** - Dept Psychiatry and Neurobehavioral Science Ireland University of Cork, Ireland

*“Focus on stress and tryptophan metabolism in the microbiota-gut-brain axis”*

**10:00-10:45 Prof. Peter McCaffery** - Institute of Medical Sciences, University of Aberdeen, Aberdeen, UK

*“A vitamin for sustaining the brain in health and disease”*

**10:45-11:00 COFFEE BREAK**

**11:00-11:45 Prof. Jean Luc Olivier** - CHRU de Nancy, Pôle des Laboratoires, Service de Biochimie-Biologie Moléculaire-Nutrition, Nancy, France

*“Impact of dietary arachidonic acid on gut-brain axis, putative contribution to AD”*

**11:45-12:30 Prof. Lydia Giménez Lloret** - Universitat Autònoma de Barcelona, Barcelona, Spain “*Coffee, sugars and fish in normal aging and Alzheimer's disease under the lens of sex/gender translational behavioral neuroscience*”

**12:30-14:00 LUNCH BREAK**

**14:00-14:45 Dr Ajeet Kaushik** - Florida Polytechnic University, USA – on-line  
“*Nanobiotechnology is getting into the brain*”

**14:45-15:30 Prof. Karol Kozak** - Medical Faculty Technical University Dresden, Dresden, Germany  
“*AIMS ready for AI: neurological data acquisition platform*”

**15:30-15:45 COFFEE BREAK** (lunch on site, covered by organizers)

**15:45-16:30 Prof. Martin Hofmann-Apitius** - Fraunhofer Institute for Algorithms and Scientific Computing SCAI, Sankt Augustin, Germany  
“*PHARMACOMES: cause-and-effect models linking drugs, targets and disease mechanisms*”

**16:30-17:00 Dr Malgorzata Chalupowski**, Copernicus Institute for the arts, Sciences and Law of New England

**17:00** Day Two Summary

## Friday, October 13

### *Neuroprotective role of phytochemicals and their metabolites*

**9:15-10:00 Prof. Pierre Louis-Teissedre** - Institut des Sciences de la vigne et du vin Université de Bordeaux, Bordeaux, France,  
“*Effects of tanins , grapes, and wines on chronic and degenerative diseases*”

**10:00-10:45 Dr Michaël Jourdes** - Institut des Sciences de la vigne et du vin Université de Bordeaux, Bordeaux, France,  
“*Phenolic compounds in food diet and their metabolite on degenerative diseases*”

**10:45-11:00 COFFEE BREAK**

**11:00-11:45 Dr Malgorzata Kujawska** - Poznan University of Medical Sciences Poznań, Poland, “*Ellagitannins-derived metabolite - Urolithin A as a neuroprotective agent in PD*”

**11:45-12:15 Dr G. Kreiner** - Dept. Brain Biochemistry Maj Institute of Pharmacology PAS, Krakow, Poland - Conference Summary and closing remarks