



Conference Agenda Gdansk 2025

Scientists for the NBIA Community

Conference address

University of Gdańsk, Main Library, Wita Stwosza 53, 80-308 Gdańsk,

Conference date

October 17th, 2025 (Friday)

Scientific patronage of the conference:



Instytut Psychiatrii i Neurologii
w Warszawie



nencki institute
of experimental biology

08³⁰ - 09⁰⁰ – The main library building, University of Gdańsk

08³⁰-08⁵⁰ Registration

08⁵⁰-09⁰⁰ Opening of the conference

Session 1 Session chair: Grzegorz Węgrzyn

09⁰⁰ – 11⁰⁰ – Clinical and laboratory research

Time of occurrence	Lecturer	Lecture topic
09 ⁰⁰ -09 ³⁰	Karolina Pierzynowska University of Gdańsk, Poland	Molecular mechanisms of disorders of autophagy, ferroptosis and some other processes in NBIA
09 ³⁰ -10 ⁰⁰	Marta Skowrońska / Iwona Kurkowska-Jastrzębska Institute of Psychiatry and Neurology, Poland	Assumptions of therapy for NBIA patients for PKAN and MPAN variants
10 ⁰⁰ -10 ³⁰	Arcangela Iuso Helmholtz Zentrum München Deutsches Forschungszentrum für Gesundheit und Umwelt (GmbH), Germany	Mitochondrial dysfunction in BPAN
10 ³⁰ -11 ⁰⁰	Mollereau Bertrand ENS Lyon, Laboratory of Biology and Modelling of the Cell.CNRS UMR5239. LYON, France	The role of autophagy in the rare genetic neurodegenerative disease BPAN

11⁰⁰ – 11²⁰– Coffee break

Session 2	Session chair: Bertrand Mollereau
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11 ²⁰ – 12 ⁵⁰ – Clinical and laboratory research
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Time of occurrence	Lecturer	Lecture topic
11 ²⁰ -11 ⁴⁰	Mariusz R. Więckowski Nencki Institute of Experimental Biology; Polish Academy of Sciences, Poland	How fibroblasts reveal the secrets of MPAN
11 ⁴⁰ -12 ⁰⁰	Barbara Pakuła Nencki Institute of Experimental Biology; Polish Academy of Sciences, Poland	Autophagy alterations in the MPAN subtype of NBIA
12 ⁰⁰ -12 ²⁰	Agata Wydrych Nencki Institute of Experimental Biology; Polish Academy of Sciences, Poland	From patients' fibroblasts to <i>C19orf12</i> mutated HEK293T cells - metabolic studies
12 ²⁰ -12 ⁵⁰	Mario Mauthe University of Groningen, Netherlands	Mitochondrial phenotypes in <i>WDR45</i> knockout systems

12⁵⁰ – 13³⁰– Lunch

Session 3	Session chair: Mariusz Więckowski
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13 ³⁰ – 15 ⁰⁰ – Rehabilitation, Clinical and laboratory research
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Time of occurrence	Lecturer	Lecture topic
13 ³⁰ -14 ⁰⁰	Dario Finazzi University of Brescia, Italy	Zebrafish models of NBIA disorders
14 ⁰⁰ -14 ³⁰	Chloe Angelini Bordeaux University Hospital, France	Clinical aspects and radiological evolution in NBIA
14 ³⁰ -15 ⁰⁰	Grzegorz Węgrzyn University of Gdańsk, Poland	Proteasome changes in NBIA

15⁰⁰ – 15²⁰– Coffee break

Session 4	Session chair: <u>Zuhal</u> Yapici
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15 ²⁰ – 16 ⁵⁰ – Clinical and laboratory research
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Time of occurrence	Lecturer	Lecture topic
15 ²⁰ -15 ⁵⁰	Ody Sibon University of Groningen, Netherlands	Clinical trial with 4'-phosphopantetheine in PKAN and our initiatives to bring this further
15 ⁵⁰ -16 ²⁰	Neil Hackett Genetic Medicine at Weill Cornell Medical College in New York, USA	Gene Therapy Aspects in PLAN and Other NBIA Varieties
16 ²⁰ -16 ⁵⁰	Anna Stęplowska/Ola Rośłonec Intensive Rehabilitation Center "Olinek", Poland	Working with NBIA patients - a rehabilitant's perspective

17 ⁰⁰ -17 ³⁰	Tour of the laboratory. Presentation of ongoing research. (Grzegorz Węgrzyn)	
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