



8th International Symposium on NBIA

October 13-15, 2022

Website: [>> more information <<](#)

Lausanne, Switzerland
Mövenpick Hotel Lausanne

Program committee:

Susan Hayflick, Oregon Health & Science University, Portland (US) | Thomas Klopstock, LMU Klinikum, Munich (DE) | Markus Nielbock, Hoffnungsbaum e.V., Würselen (DE)
Agnès Rötig, Institut Imagine, Paris (FR) | Valeria Tiranti, IRCCS Istituto Neurologico Carlo Besta, Milan (IT) | Patricia Wood, NBIA Disorders Association, El Cajon (US)

Local organizing committee:

Patrick Herren, Fatemeh Mollet, Esther Schärer, Olav Zilian, NBIA Suisse (patient advocacy association), Lausanne (CH)

SCHEDULE

THURSDAY, October 13, 2022

13:00 Registration

14:00 Welcome Address
Fatemeh Mollet, NBIA Suisse, Lausanne, Switzerland
Patricia Wood, NBIA Disorders Association, El Cajon, USA
Thomas Klopstock, LMU Klinikum, Munich, Germany

SESSION 1 NBIA general

Chair: Thomas Klopstock

14:15 **Key note lecture: molecular mechanisms of iron-sulfur protein biogenesis and its link to iron metabolism**
Roland Lill, Marburg, Germany

15:00 **Epidemiology of NBIA disorders**
Hana Kolářová, Prague, Czech Republic

15:20 **Unreported NBIA in known disease genes**
Agnès Rötig, Paris, France

15:40 **Iron chelation in neurodegenerative disorders – state of the art and what it means for NBIA**
David Devos, Lille, France

16:00 Coffee break

SESSION 2	PKAN & CoPAN	Chair: Valeria Tiranti
16:30	Massive iron accumulation in PKAN-derived neurons and astrocytes: light on the human pathological phenotype Sonia Levi, Milan, Italy	
16:50	Zebrafish models with inborn errors of CoA biosynthesis Dario Finazzi, Brescia, Italy	
17:10	Mitochondrial and mitophagy in PKAN: insights from a <i>Drosophila</i> model Zhihao Wu, Dallas, USA	
17:30	Yeast as a model for functional analysis of mutations associated with PKAN disorder and for the identification of therapeutic molecules Paola Goffrini, Parma, Italy	
17:50	Modelling CoPAN in mice Ivano Di Meo, Milan, Italy	
18:10	Combination of a specific diet and the microbiome compensates lethality of a PKAN animal model Hein Schepers, Groningen, the Netherlands	
18:30	End of the day	
19:30	Dinner	

FRIDAY, October 14, 2022

08:30	Update on the CoA-Z clinical trial Penelope Hogarth, Portland, USA
08:50	Optimization and efficacy of the clinical compound BBP-671 in a PKAN mouse model Suzanne Jackowski, Memphis, USA
09:10	The PanK Activator BBP-671 for PKAN: results from a phase 1 trial in healthy volunteers, and update on pivotal trial plans Susanne A. Schneider / Thomas Klopstock, Munich, Germany
09:30	Roundtable discussion on urgent needs and next steps in PKAN/CoPAN
10:30	Coffee break

SESSION 3	MPAN	Chair: Agnès Rötig
11:00	Expanding our understanding of <i>C19orf12</i> function to develop therapeutic approaches for MPAN Arcangela Iuso, Munich, Germany	
11:20	Modelling <i>c19orf12</i> deficiency in zebrafish Barbara Gnutti, Brescia, Italy	
11:40	Roundtable discussion on urgent needs and next steps in MPAN	
12:30	Lunch break	

SESSION 4	BPAN	Chair: Susan Hayflick
13:30	Is it all about autophagy? - WDR45's role in autophagy and beyond Mario Mauthe, Groningen, the Netherlands	
13:50	Towards an understanding of the molecular function of WDR45/WIPI4 in autophagy and BPAN Tassula Proikas-Cezanne, Tübingen, Germany	
14:10	Vulnerability of midbrain dopaminergic neurons in BPAN Lena Burbulla, Munich, Germany	
14:30	Characterization of a whole-body <i>Wdr45</i> knock-out, a mouse model for BPAN Arcangela Iuso, Munich, Germany	
14:50	Roundtable discussion on urgent needs and next steps in BPAN	
15:40	Flash talks - selected poster presentations	
16:00	Poster session & Coffee break	
17:30	End of the day	
19:30	Dinner	

SESSION 5	PLAN/INAD & FAHN	Chair: Ody Sibon
09:00	Towards precision therapies for NBIA Manju Kurian, London, UK	
09:20	PLA2G6-associated neurodegeneration – update Manju Kurian, London, UK	
09:40	Developing gene therapy for PLAN and moving towards clinical trials Ahad Rahim, London, UK	
10:00	Moving forward with FAHN research Sunita Venkateswaran, Ottawa, Canada	
10:20	Roundtable discussion on urgent needs and next steps in PLAN/INAD & FAHN	
11:00	Closing remarks Thomas Klopstock, LMU Klinikum, Munich, Germany	
11:15	End of the conference	

Contact:
NBIA Suisse
Fateme Mollet
Nbiasuisse@gmail.com