



UNIVERSITÄT ZU LÜBECK

Focused Workshop

Lübeck, Germany | May 8-10, 2026

Parkinson's Disease Decoded: Genes, Environment, and the Epidemiological Challenge

Preliminary Program

DAY 1: Friday, May 8, 2026	
Registration: 12:00 - 13:00	
13:00 - 13:15	Opening Session & Welcome <i>Enza Maria Valente, Scientific Program Chair, Jean-Christophe Corvol, MDS-ES Chair, David Burn, MDS President, Prof. Dr. Helge Braun - University of Lübeck President, and Christine Klein, Local Organizing Chair</i>
Session 1: Parkinson's Disease: a tale of increasing complexity <i>Chair: Jean Christophe Corvol, MDS-ES Chair</i>	
13:15 - 13:45	Epidemiology of Parkinson's disease: Is this a new pandemic? <i>Yoav Ben-Shlomo</i>
13:45 - 14:15	Why do so many PD trials fail? Current pitfalls in patients' stratification and model-to-human translation - Margherita Fabbri
14:15 - 14:45	Panel Discussion
14:45 - 15:15	COFFEE BREAK
Session 2: Main genetic determinants in Parkinson's disease <i>Chair: Kathrin Brockmann</i>	
15:15 - 15:45	Worldwide incidence, mutational spectrum and phenotypes of Parkinson's disease genes - Enza Maria Valente
15:45 - 16:15	Genetic and environmental modifiers of LRRK2-PD <i>Joanne Trinh</i>
16:15 - 16:45	Multilevel modulation of GBA penetrance <i>Rosanna Asselta</i>
16:45 - 17:15	Panel Discussion
Session 3: MDS-ES & EAN Joint Session: Clinical, Imaging, and Therapeutic Aspects of Genetic Parkinson's Disease <i>Chair: Alessandro Tessitore, Co-Chair, EAN Scientific Panel on Movement Disorders</i>	
	
17:15 - 17:50	Rare forms of genetic Parkinson's: An approach <i>Kailash Bhatia</i>
17:50 - 18:15	Neuroimaging biomarkers and impact of genetics <i>Irena Rektorová</i>
18:15 - 18:50	Impact of genetics in neuromodulation therapy in Parkinson's diseases <i>Elena Moro</i>
18:50 - 19:15	Panel Discussion
19:15 - 19:30	European Academy of Neurology (EAN) Information and Opportunities
19:30 - 20:30	Welcome Reception



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DAY 2: Saturday, May 9, 2026

Session 4: Genome-wide complexity of Parkinson's disease risk

Chair: Thomas Gasser

8:00 – 8:30	Innovative strategies to tackle Parkinson's disease genetics <i>Christine Klein</i>
8:30 – 9:00	PD-GWAS and genome-wide determinants of phenotypic traits <i>Huw Morris</i>
9:00 – 9:30	Epigenetic modifiers <i>Lasse Pihlstrom</i>
9:30 – 10:00	Panel Discussion
10:00 – 10:30	COFFEE BREAK

Session 5: α -synuclein-mediated pathways to disease

Chair: Daniela Berg

10:30 – 11:00	Pathological α-synuclein and mitochondrial damage <i>Tommaso Schirinzi</i>
11:00 – 11:30	Transcriptomic signatures in synucleinopathies <i>Mina Ryten</i>
11:30 – 12:00	Dysfunction of clearance systems and α-synuclein toxicity <i>Friederike Zunke</i>
12:00 – 12:30	Panel Discussion

Plenary Lecture

Chair: Claudia Trenkwalder

12:30 – 13:15	Toward a biological definition of neuronal and glial synucleinopathies <i>Guenter Hoglinger</i>
13:15 – 15:00	LUNCH BREAK
13:45 – 14:45	Poster Session / Oral Platform Presentations <i>Chair: Roberto Erro</i>

Session 6: Environmental factors and lifestyle

Chair: David Burn, MDS President

15:00 – 15:30	Pesticides and air pollution in Parkinson's disease risk <i>Alastair Noyce</i>
15:30 – 16:00	Modifiable environmental factors: tobacco, diet and more <i>Alexis Elbaz</i>
16:00 – 16:30	Combining exposome and metabolome to detect environmental modifiers in genetic Parkinson's disease - Emma L. Schymanski
16:30 – 17:00	Panel Discussion
17:00 – 17:30	COFFEE BREAK

Session 7: Parkinson's disease comorbidities

Chair: Pille Taba

17:30 – 18:00	Diabetes and insulin-resistance <i>Sonia Gandhi</i>
18:00 – 18:30	Cancer <i>Tiago Outeiro</i>
18:30 – 19:00	Panel Discussion

Plenary Lecture

Chair: Roberto Erro

19:00 – 19:45	Exercising body and brain: A neuroscientific perspective <i>Bas Bloem</i>
19:45 – 20:00	Day 2 Closing Remarks



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DAY 3: Sunday, May 10, 2026

Registration: 7:30 – 8:00

Session 8: The crosstalk between gut and brain

Chair: Cristian Falup-Pecurariu

8:00 – 8:30	The gut-brain axis <i>Per Borghammer</i>
8:30 – 9:00	Parkinson's disease dysbiome triggers neurodegeneration in mice <i>Sandra Morais Cardoso</i>
9:00 – 9:30	Microbiota-based interventions to treat Parkinson's disease <i>Filip Scheperjans</i>
9:30 – 10:00	Panel Discussion
10:00 – 10:30	COFFEE BREAK
Session 9: Inflammation and immunity	
Chair: Brit Mollenhauer	
10:30 – 11:00	Brain inflammation across neurodegenerative diseases <i>Michael T. Heneka</i>
11:00 – 11:30	Modulation of inflammation in alpha-synuclein mouse models <i>Vania Broccoli</i>
11:30 – 12:00	Role of lipid dysregulation in neuroinflammation and therapeutic perspectives <i>Per Svenningsson</i>
12:00 – 12:30	Panel Discussion
Plenary Lecture	
Chair: Esther Cubo	
12:30 – 13:15	Artificial intelligence-based stratification of Parkinson's disease trajectories <i>Holger Fröhlich</i>
13:15 -13:30	Closing Remarks - Jean Christophe Corvol, Enza Maria Valente, Per Svenningsson