



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</i> , Scientific Program Chair, <i>Jean-Christophe Corvol</i> , MDS-ES Chair, <i>David Burn</i> , MDS President, <i>Prof. Dr. Helge Braun</i> - University of Lübeck President, and <i>Christine Klein</i> , Local Organizing Chair
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 - <i>Margherita Fabbri</i>
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 - <i>Enza Maria Valente</i>
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 <i>Drinks and light appetizers served</i>



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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
Christine Klein

8:30 – 9:00

PD-GWAS and genome-wide determinants of phenotypic traits
Huw Morris

9:00 – 9:30

Epigenetic modifiers
Lasse Pihlstrom

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
To be confirmed

11:00 – 11:30

Transcriptomic signatures in synucleinopathies
Mina Ryten

11:30 – 12:00

Dysfunction of clearance systems and α -synuclein toxicity
Friederike Zunke

12:00 – 12:30

Panel Discussion

Plenary Lecture

Chair: Claudia Trenkwalder

12:30 – 13:15

Toward a biological definition of neuronal and glial synucleinopathies
Guenter Hoglinger

13:15 – 15:00

LUNCH BREAK

13:45 – 14:45

Poster Session / Oral Platform Presentations
Chair: Roberto Erro

Session 6: Environmental factors and lifestyle

Chair: David Burn, MDS President

15:00 – 15:30

Pesticides and air pollution in Parkinson's disease risk
Alastair Noyce

15:30 – 16:00

Modifiable environmental factors: tobacco, diet and more
Alexis Elbaz

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
Sonia Gandhi

18:00 – 18:30

Cancer
Tiago Outeiro

18:30 – 19:00

Panel Discussion

Plenary Lecture

Chair: Roberto Erro

19:00 – 19:45

Exercising body and brain: A neuroscientific perspective
Bas Bloem

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