



Focused Workshop

Lüneburg, Germany | May 8-10, 2026

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

Preliminary Program

DAY 1: Friday, May 8, 2026	
Registration: 12:30 – 13:30	
14:00 – 14:15	Opening Session & Welcome <i>Scientific Program Chairs, MDS-ES Chair, MDS President</i>
Session 1: Parkinson's Disease: a tale of increasing complexity Chair: Jean Christophe Corvol, MDS-ES Chair (Paris, France)	
14:15 – 14:45	Epidemiology of Parkinson's disease: Is this a new pandemic? <i>Yoav Ben-Shlomo (Bristol, United Kingdom)</i>
14:45 – 15:15	Why do so many PD trials fail? Current pitfalls in patients' stratification and model-to-human translation - <i>Margherita Fabbri (Toulouse, France)</i>
15:15 – 15:45	Panel Discussion
15:45 – 16:15	COFFEE BREAK
MDS-ES & EAN Joint Session: Main genetic determinants in Parkinson's disease Chair: EAN Representative	
	
16:15 – 16:45	Worldwide incidence, mutational spectrum and phenotypes of Parkinson's disease genes – <i>Enza Maria Valente (Pavia, Italy)</i>
16:45 – 17:15	Genetic and environmental modifiers of LRRK2-PD <i>Joanne Trihn (Lüneburg, Germany)</i>
17:15 – 17:45	Multilevel modulation of GBA penetrance <i>Rosanna Asselta (Milan, Italy)</i>
17:45 – 18:15	Panel Discussion
18:15 – 18:30	European Academy of Neurology (EAN) Information and Opportunities <i>EAN Representative</i>
Plenary Lecture Chair: Kathrin Brockmann (Tübingen, Germany)	
18:30 – 19:15	Innovative strategies to tackle Parkinson's disease genetics <i>Christine Klein (Lüneburg, Germany)</i>
19:30 – 20:30	Welcome Reception <i>Drinks and light appetizers served</i>



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DAY 2: Saturday, May 9, 2026

Registration: 8:00 – 8:30

Session 3: Genome-wide complexity of Parkinson's disease risk

Chair: Thomas Gasser (Tübingen, Germany)

8:30 – 9:00 **PD-GWAS and genome-wide determinants of phenotypic traits**
Huw Morris (London, United Kingdom)

9:00 – 9:30 **Epigenetic modifiers**
Lasse Pihlstrom (Oslo, Norway)

9:30 – 10:00 **Panel Discussion**

10:00 – 10:30 **COFFEE BREAK**

Session 4: α -synuclein-mediated pathways to disease

Chair: TBD

10:30 – 11:00 **Pathological α -synuclein and mitochondrial damage**
Speaker TBD

11:00 – 11:30 **Transcriptomic signatures in synucleinopathies**
Mina Ryten (London, United Kingdom)

11:30 – 12:00 **Dysfunction of clearance systems and α -synuclein toxicity**
Friederike Zunke (Erlangen, Germany)

12:00 – 12:30 **Panel Discussion**

Plenary Lecture

Chair: Brit Mollenhauer (Gottingen, Germany)

12:30 – 13:15 **Toward a biological definition of neuronal and glial synucleinopathies**
Guenter Hoglinger (Munich, Germany)

13:15 – 15:00 **LUNCH BREAK**

13:45 – 14:45 **Poster Session**
Chair: Roberto Erro (Salerno, Italy)

Session 5: Environmental factors and lifestyle

Chair: David Burn, MDS President (Galway, Ireland)

15:00 – 15:30 **Pesticides and air pollution in Parkinson's disease risk**
Alastair Noyce (London, United Kingdom)

15:30 – 16:00 **Modifiable environmental factors: tobacco, diet and more**
Alexis Elbaz (Paris, France)

16:00 – 16:30 **Combining exposome and metabolome to detect environmental modifiers in genetic Parkinson's disease - Emma L. Schymanski (Luxembourg)**

16:30 – 17:00 **Panel Discussion**

17:00 – 17:30 **COFFEE BREAK**

Session 6: Parkinson's disease comorbidities

Chair: Pille Taba (Tartu, Estonia)

17:30 – 18:00 **Diabetes and insulin-resistance**
Speaker TBD

18:00 – 18:30 **Cancer**
Tiago Outeiro (Gottingen, Germany)

18:30 – 19:00 **Panel Discussion**

Plenary Lecture

Chair: TBD

19:00 – 19:45 **Exercising body and brain: A neuroscientific perspective**
Bas Bloem (Nijmegen, The Netherlands)

19:45 – 20:00 **Day 2 Closing Remarks**



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DAY 3: Sunday, May 10. 2026

Registration: 8:00 – 8:30

Session 7: The crosstalk between gut and brain

Chair: Cristian Falup-Pecurariu (Brasov, Romania)

8:30 – 9:00	The gut-brain axis <i>Per Borghammer (Aarhus, Denmark)</i>
9:00 – 9:30	Parkinson's disease dysbiome triggers neurodegeneration in mice <i>Sandra Morais Cardoso (Coimbra, Portugal)</i>
9:30 – 10:00	Microbiota-based interventions to treat Parkinson's disease <i>Filip Scheperjans (Helsinki, Finland)</i>
10:00 – 10:30	Panel Discussion
10:30 – 11:00	COFFEE BREAK

Session 8: Inflammation and immunity

Chair: TBD

11:00 – 11:30	Brain inflammation across neurodegenerative diseases <i>Michael T. Heneka (Luxembourg)</i>
11:30 – 12:00	Modulation of inflammation in alpha-synuclein mouse models <i>Vania Broccoli (Milan, Italy)</i>
12:00 – 12:30	Role of lipid dysregulation in neuroinflammation and therapeutic perspectives <i>Per Svenningsson (Stockholm, Sweden)</i>
12:30 – 13:00	Panel Discussion

Plenary Lecture

Chair: Esther Cubo (Madrid, Spain)

13:00 – 13:45	Artificial intelligence-based stratification of Parkinson's disease trajectories <i>Holger Fröhlich (Bonn, Germany)</i>
13:45 -14:00	Closing Remarks - Jean Christophe Corvol, Enza Maria Valente, Per Svenningsson