



**Focused Workshop**  
Lübeck, Germany | May 8-10, 2026  
**Parkinson's Disease Decoded: Genes, Environment, and the Epidemiological Challenge**




<b>DAY 1: Friday, May 8, 2026</b> <b>Audimax – Hall 1</b>	
13:00 – 13:15	<b>Welcome</b>
<b>Session 1: Parkinson's Disease: a tale of increasing complexity</b> <i>Chair: Jean-Christophe Corvol, MDS-ES Chair</i>	
13:15 – 13:45	<b>Epidemiology of Parkinson's disease: Is this a new pandemic?</b> <i>Yoav Ben-Shlomo</i>
13:45 – 14:15	<b>Why do so many PD trials fail? Current pitfalls in patients' stratification and model-to-human translation - Margherita Fabbri</b>
14:15 – 14:45	<b>Panel Discussion</b> <i>Yoav Ben-Schlomo, Margherita Fabbri, moderated by Jean-Christophe Corvol</i>
14:45 – 15:15	<b>COFFEE BREAK</b>
<b>Session 2: Main genetic determinants in Parkinson's disease</b> <i>Chair: Christine Klein</i>	
15:15 – 15:45	<b>Worldwide incidence, mutational spectrum and phenotypes of Parkinson's disease genes</b> <i>Enza Maria Valente</i>
15:45 – 16:15	<b>Genetic and environmental modifiers of LRRK2-PD</b> <i>Joanne Trinh</i>
16:15 – 16:45	<b>Multilevel modulation of GBA penetrance</b> <i>Rosanna Asselta</i>
16:45 – 17:15	<b>Panel Discussion</b> <i>Enza Maria Valente, Joanne Trinh, Rosanna Asselta, moderated by Christine Klein</i>
<b>Session 3: MDS-ES &amp; EAN Joint Session: Clinical, Imaging, and Therapeutic Aspects of Genetic Parkinson's Disease</b> <i>Chair: Alessandro Tessitore, Co-Chair, EAN Scientific Panel on Movement Disorders</i>	
 	
17:15 – 17:50	<b>Rare forms of genetic Parkinson's: An approach</b> <i>Kailash Bhatia</i>
17:50 – 18:15	<b>Neuroimaging biomarkers and impact of genetics</b> <i>Irena Rektorová</i>
18:15 - 18:50	<b>Impact of genetics in neuromodulation therapy in Parkinson's diseases</b> <i>Elena Moro</i>
18:50 – 19:15	<b>Panel Discussion</b> <i>Kailash Bhatia, Irena Rektorová, Elena Moro, moderated by Alessandro Tessitore</i>
19:15 – 19:30	<b>European Academy of Neurology (EAN) Information and Opportunities</b> <i>Elena Moro, EAN President</i>
19:45 – 21:00	<b>Welcome Reception at the Institute of Neurogenetics</b> <i>Delegates will walk together through the campus.</i>



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**DAY 2: Saturday, May 9, 2026**  
**Audimax – Hall 1**

**Session 4: Genome-wide complexity of Parkinson's disease risk**  
*Chair: Thomas Gasser*

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

**Session 5:  $\alpha$ -synuclein-mediated pathways to disease**  
*Chair: Daniela Berg*

10:30 – 11:00	<b>Pathological <math>\alpha</math>-synuclein and mitochondrial damage</b> <i>Tommaso Schirinzi</i>
11:00 – 11:30	<b>Transcriptomic signatures in synucleinopathies</b> <i>Mina Ryten</i>
11:30 – 12:00	<b>Dysfunction of clearance systems and <math>\alpha</math>-synuclein toxicity</b> <i>Friederike Zunke</i>
12:00 – 12:30	<b>Panel Discussion</b> <i>Tommaso Schirinzi, Mina Ryten, Friederike Zunke, moderated by Daniela Berg</i>

**Plenary Lecture**  
*Chair: Enza Maria Valente*

12:30 – 13:15	<b>Toward a biological definition of neuronal and glial synucleinopathies</b> <i>Gunter Hoglinger</i>
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**LUNCH BREAK & POSTER SESSION 1**  
**13:15 – 15:00**

*Poster detail available on page 12*  
*Poster Session is not an accredited session*

14:00 – 14:55	<b>Oral Platform Presentations</b> <i>Chair: Roberto Erro</i>	<i>Presentation detail available on page 13.</i> <i>Oral platform presentations session is not an accredited session.</i>
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**Session 6: Environmental factors and lifestyle**  
*Chair: David Burn, MDS President*

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



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### DAY 2: Saturday, May 9. 2026 Audimax – Hall 1

#### Session 7: Parkinson's disease comorbidities Chair: Pille Taba

17:30 – 18:00	<b>Diabetes and insulin-resistance</b> <i>Sonia Gandhi</i>
18:00 – 18:30	<b>Cancer</b> <i>Tiago Outeiro</i>
18:30 – 19:00	<b>Panel Discussion</b> <i>Sonia Gandhi, Tiago Outeiro, moderated by Pille Taba</i>
<b>Plenary Lecture</b> Chair: Roberto Erro	
19:00 – 19:45	<b>Exercising body and brain: A neuroscientific perspective</b> <i>Bastiaan Bloem</i>
19:45 – 20:00	<b>Day 2: Closing Remarks</b> <i>Jean-Christophe Corvol, Enza Maria Valente, Per Svenningsson</i>

### DAY 3: Sunday, May 10. 2026 Audimax – Hall 1

#### Session 8: The crosstalk between gut and brain Chair: Cristian Falup-Pecurariu

8:00 – 8:30	<b>The gut-brain axis</b> <i>Per Borghammer</i>
8:30 – 9:00	<b>Parkinson's disease dysbiome triggers neurodegeneration in mice</b> <i>Sandra Morais Cardoso</i>
9:00 – 9:30	<b>Microbiota-based interventions to treat Parkinson's disease</b> <i>Filip Scheperjans</i>
9:30 – 10:00	<b>Panel Discussion</b> <i>Per Borghammer, Sandra Morai Cardoso, Filip Scheperjans, moderated by Cristian Falup-Pecurariu</i>

#### COFFEE BREAK & POSTER SESSION 2

10:00 – 10:30

Poster detail available on page 14  
Poster Session is not an accredited session

#### Session 9: Inflammation and immunity Chair: Brit Mollenhauer

10:30 – 11:00	<b>Brain inflammation across neurodegenerative diseases</b> <i>Michael T. Heneka</i>
11:00 – 11:30	<b>Modulation of inflammation in alpha-synuclein mouse models</b> <i>Vania Broccoli</i>
11:30 – 12:00	<b>Role of lipid dysregulation in neuroinflammation and therapeutic perspectives</b> <i>Per Svenningsson</i>
12:00 – 12:30	<b>Panel Discussion</b> <i>Michael T. Heneka, Vana Broccoli, Per Svenningsson, moderated by Brit Mollenhauer</i>
<b>Plenary Lecture</b> Chair: Esther Cubo	
12:30 – 13:15	<b>Artificial intelligence-based stratification of Parkinson's disease trajectories</b> <i>Holger Fröhlich</i>
13:15 -13:30	<b>Closing Remarks</b> <i>Jean-Christophe Corvol, Enza Maria Valente, Per Svenningsson</i>