Molecular, Imaging, and Digital Biomarkers in Parkinson's Disease and Related Disorders

PROGRAM



Organizers

https://bpd2026.neuro-hr.org

bpd2026@concorda.hr



24.-26. September 2026.
Hotel Sheraton
Zagreb, CROATIA

DAY 1 – THURSDAY | Molecular Mechanisms and Neuroimmunology

Time	Session / Talk
08:45 – 09:30	Registration & Morning Coffee
09:30 – 09:45	Welcome & Opening Remarks – Organizing Committee
SESSION 1 – Molecular Drivers of Parkinson's Disease	
09:45 – 10:15	Tiago Outeiro – Alpha-synuclein biology and mechanisms of neurodegeneration
10:15 – 10:45	Fran Borovecki – Genetics and molecular pathways in Parkinson's disease
10:45 – 11:00	Discussion and questions
11:00 – 11:45	Coffee Break
SESSION 2 – Neuroimmune Mechanisms in PD	
11:45 – 12:15	Antonela Blažeković & Sarah Meglaj Bakrač– Single-cell immune landscape in Parkinson's disease
12:15 – 12:45	Anja Barešić - Computational approaches uncover putative molecular mechanisms in neurodevelopmental diseases
12:45 – 13:15	Selected Abstracts – Katarina Mandić
13:15 – 14:30	Lunch Break
SESSION 3 – Advances in Neurodegeneration: From Stem Cell Models to Personalized Care	
14:30 – 15:00	Uršula Prosenc Zmrzljak (Labena) Next Level in Neurodegenerative Research: See Beyond. Understand Deeper.
15:00 – 15:30	Vladimira Vuletić – Precision Medicine and Individualized Management of Parkinson's Disease: Integrating Clinical Phenotypes and Biomarkers
15:30 – 15:45	Discussion and questions
15:45 – 16:15	Coffee Break
16:15 – 17:15	Round Table - From molecular mechanisms to biomarkers: how close are we to disease-modifying therapies in PD?
19:30	Conference Networking Reception

DAY 2 – FRIDAY | Biomarkers and Clinical Heterogeneity

Time	Session / Talk
09:00 – 09:30	Morning Coffee & Networking
SESSION 4 – Biomarkers in Parkinson's Disease	
09:30 – 10:00	Angelo Antonini – Protein aggregation biomarkers: alpha-synuclein seeding assays and beyond
10:00 – 10:30	Goran Šimić – Fluid biomarkers for early detection of Parkinson's disease
10:30 – 11:00	Discussion and questions
11:00 – 11:30	Coffee Break
SESSION 5 – Clinical Phenotypes and Disease Progression	
11:30 – 12:00	Milica Kramberger – Cognitive impairment in Parkinson's disease
12:00 – 12:30	Iva Stankovic – Clinical heterogeneity in Parkinson's disease
12:30 – 13:00	Selected Abstracts – Božana Blažević
13:00 – 14:15	Lunch Break
SESSION 6 – Neuroimaging in Parkinson's Disease	
14:15 – 14:45	Ivan Blaženković – Imaging biomarkers for early diagnosis and disease progression in Parkinson's disease
14:45 – 15:15	Irena Rektorova – Multimodal neuroimaging in Parkinson's disease: MRI, PET and connectomics
15:15 – 15:30	Discussion and questions
15:30 – 16:00	Coffee Break
16:00 – 17:00	Round Table – Future directions in Parkinson's disease research

DAY 3 – SATURDAY | AI, Computational Approaches and Multimodal Biomarkers

Time	Session / Talk
09:00 – 09:30	Morning Coffee & Networking
SESSION 7 – Digital Biomarkers and AI	
09:30 – 10:00	Tomislav Šmuc – Machine learning for multimodal biomarker discovery in neurodegeneration
10:00 – 10:30	Luc Evers– Uncovering Parkinson's progression with long-term continuous monitoring: insights from the Personalized Parkinson Project
10:30 – 11:00	Discussion and questions
11:00 – 11:30	Coffee Break
SESSION 8 – Integrating AI, Molecular, Imaging and Digital Biomarkers	
11:30 – 12:00	AbbVie-sponsored lecture – Exploring the Potential of Biomarkers and AI Tools in Clinical Practice.
12:00 – 12:30	Alain van Gool – Combining molecular, social, environmental data in true multimodal biomarker profiles
12:30 – 13:00	Panel Discussion
13:00	Best Young Investigator Award & Closing Remarks