

Wednesday, November 4, 2026,

1.30 pm- 2.00

Opening remarks

1:30-4.00 PM

1. *Rehabilitation with music*

Chairs: Anna Castagna, Antonio Suppa, Vincenzo Di Lazzaro

2.00-2.30

1. From Sound to Movement: Mapping the Neural Mechanisms of Auditory-Motor Entrainment and Synchronization

Michael Thaut, Toronto

2.30-3.00

2. Disorders of consciousness: a rehabilitation role for music

Sergio Bagnato, Italy

3.00-3.30

3. Benefits of singing for Parkinson disease

Frank A Russo, Toronto

3.30-4.00

Discussion

4.00-4.30

Coffee break

4.30-5.00

Special Tribute: Remembering Mark Hallett

John Rothwell

5.00-5:30

The Mark Hallett price and lecture for Fresco Fellows

TBA

5.30-6:30

Event. Singing **for** the **brain**....

6:30

cocktail

Thursday, November 5, 2026, 9:00 AM-12:30 PM

2. FUS or DBS? Long- and short-term effects on PD

Chairs: Ioannis Isaias, Antonio Pisani, Mario Zappia

9.00-9.40

1. Plasticity changes measured with neurophysiology:

Chen, Toronto (DBS) vs. Bertino, Messina (FUS)

9.40-10.20

2. Structural and functional connectivity changes:

Pavese, Newcastle (DBS) vs. Cacciola, Milano (FUS)

10.20-10.50
Coffee break

10.50-11.30
3. Disease progression changes:
Moro, Grenoble (stn-DBS) vs. Eleopra, Milano (stn-FUS)

11.30-12.00 Discussion

12.00-12.35
4 abstracts 5 min each + 1 Fellow talk 10 min

12.35-2.30
Poster session & lunch

Thursday, November 5, 2026, 2:30-5:40 PM

3. Fatigue, Stress, and Inflammation in Neurological disorders

Chairs: Matilde Inglese, Sheela Vyas, Sara Varanese

2.30-3.00
1. Imaging markers of fatigue and inflammation
Hartwig Siebner, Copenhagen

3.00-3.30
2. Fatigue in MS: From basic mechanisms to treatments
Letizia Leocani, Milano

3.30-4.00
3. Interoception and fatigue in neurodegenerative disorders: From basic mechanisms to treatments
Mark Edwards, London

4.00-4.30
Coffee break

4.30-5.00
Biomarkers of social-related stress: from caregiving to bereavement
Christopher P. Fagundes, christopher.fagundes@rice.edu

5.00-5.30
4 abstracts 5 min each + 1 Fellow talk 10 min

5.30-6.00
Discussion

Friday, November 6, 2026, 9:00 AM-12:40 PM

4. Advanced therapies in Neurodegenerative Disorders

Chairs: Andy Feigin, Laura Bonanni, Angelo Antonini

9.00-9.30

1. Tau, Amyloid, Alpha-synuclein: Do they really play the most important role in the pathogenesis of neurodegenerative diseases? Commonalities and differences
Paolo Calabresi

9.30-10.00

2. Tau, Amyloid, Alpha-synuclein and the Blood-Brain Barrier: A key to disease differentiation?
Peter Schmidt, USA

10.00-10.30

3. Altering Blood-Brain Barrier permeability as a therapy or strategy for local drug delivery?
Nir Lipsman, Toronto

10.30-11.00

Coffee break

11.00-11.30

4. Advanced pharmacological treatments in PD
Alex Di Rocco, USA

11.30-12.00

Discussion

12.00-12.40

4 abstracts 5 min each + 2 Fellow talk 10 min each

12.40-2.30

Poster session & lunch

Friday, November 6, 2026, 2:30-6:00 PM

5. The Microbiome and the Brain

Chairs: Alessandro Stefani, Giulietta Riboldi, Pascal Derkinderen

2.30-3.00

1. The brain-liver-gut axis and back
Maria Rescigno

3.00-3.30

2. Central Control of Gastrointestinal Functions in Health and Disease
Carolina Pellegrini, Pisa

3.30-4.00

3. The gut in Parkinson disease
Pascal Derkinderen, Nantes

4.00-4.30

Coffee break

4.30-5.00

4. Opportunities and Challenges for Psychobiotic Development: Can we Expand the Range of Therapeutic Targets in Neuropsychiatric Disorders
Gerald Clarke

5.00-5.10

1 Fellow presentation 10 min Gabriele Bellini

Peripheral Origins of Parkinson's Disease: Gut Pathology Linking α -Synuclein, Tau and Inflammasome Activation

5.10-5.40

Discussion

5.40-6.00

Concluding remarks

Paolo Calabresi