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UNIVERSITÀ  
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ALDO MORO



Pia Fondazione di Culto e Religione - Cardinale Giovanni Panico  
Center for Neurodegenerative Diseases and Aging Brain  
University of Bari - Aldo Moro - Tricase (LE)

# Cognitive and Behavior Changes in Parkinson's Disease and Parkinsonism: Advances and Challenges

19-20-21  
May 2025

Tricase/Santa Maria di Leuca (LE)

Italy







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# Cognitive and Behavior Changes in Parkinson's Disease and Parkinsonism: Advances and Challenges

## SCIENTIFIC CHAIRS

GIANCARLO LOGROSCINO, ITA

K. RAY CHAUDHURI, UK

RODOLFO SAVICA, USA

## ORGANIZING SCIENTIFIC COMMITTEE

DANIELE URSO, ITA

## LOCAL ORGANIZING COORDINATOR

MARCO MUSIO, ITA

**Monday, 19 May**

**OPENING CEREMONY**

**Palazzo Gallone, Tricase**

**17.00 Registration**

*Welcome coffee*

**Opening Remarks**

**G. Logroscino, K. Ray Chaudhuri, R. Savica**

**Greetings from the Authorities**

**Antonio De Donno, Mayor of Tricase**

**Adriano Santoro, Salento Parkinson's Association**

**LECTURE**

**17.30 Non motor Symptoms in PD: progress in 2025**

**K. Ray Chaudhuri**

**18.00 Accuracy of Clinical Diagnosis in PD and DLB**

**S. Giannoni-Luza**

**18.30 Synaptic PET in Four-Repeat Tauopathies**

**N. Holland**

**LECTURE**

**19.00 The Enduring Value of Clinical Criteria in the Diagnosis and Classification of Synucleinopathies**

**R. Savica**

*Cocktail*



**Introduction of the Meeting**

- 09.00 **Compelling Challenges in the Area of Cognition and Parkinsonism**  
**K. Ray Chaudhuri, G. Logroscino, R. Savica**

**SESSION 1**

**ASSESSMENT OF COGNITION IN PARKINSON'S DISEASE  
AND OTHER PARKINSONIAN SYNDROMES:  
FROM THE CLINIC TO THE POPULATION**

**Chairs: K. Ray Chaudhuri, D. Urso**

- 09.10 **Neuromodulatory Mechanism of PDD: Implications for Diagnosis and Prognostic Features**  
**M. Tagliati**
- 09.40 **AI Initiative in Behavioral Neurology**  
**D. Jones**
- 10.10 **Parkinson's Disease and Cognitive Decline**  
**R. Savica**
- 10.40 **The Epidemiological Approach in Salento: DLB**  
**G. Logroscino**
- 11.10 **Conclusion of the Clinical Session**  
**K. Ray Chaudhuri**
- 11.20 **Coffee break**

**SESSION 2**

**FLUID BIOMARKERS**

**Chairs: B. Borroni, G. Day**

- 11.30 **Synaptic Markers in Neurodegenerative Disease**  
**M. Otto**
- 12.00 **Biomarkers of Proteinopathies and Clinical Interpretation**  
**G. Day**
- 12.30 **Biological Markers in FTD: Diagnosis and Progression**  
**B. Borroni**
- 13.00 **Techniques in Cerebrospinal Fluid Assessment**  
**C. Zecca**
- 13.20 **Short lunch**



**SESSION 3**

**MECHANISMS ASSOCIATED WITH COGNITIVE IMPAIRMENT IN  
LEWY BODY DISEASES**

**Chairs: B.F. Boeve, J.B. Pereira**

- 14.30 The Organized Clinical and Biological Diagnosis and Classification of Prodromal and Overt DLB**  
**B.F. Boeve**
- 15.00 Nonmotor Symptoms and Neurotransmitters Associated with Cognitive Subtype of Parkinson's Disease**  
**K. Ray Chaudhuri**
- 15.30 To Be or Not to Be Hallucinating: Implications of Hypnagogic/ Hypnopompic Experiences and Lucid Dreaming for Brain Disorders**  
**G. Foffani**
- 16.00 Evaluation of Sleep and Neuropsychiatric Symptoms in a Cohort of Patients with DLB**  
**V. Gnoni, E. Rollo**
- 16.30 Coffee break**



### YOUNG INVESTIGATOR SESSION

This session highlights the work of early-career researchers contributing to the field

**Chairs: V. Gnoni, B.F. Boeve**

- 16.45 Progression of Multimodal MRI Biomarkers in Frontotemporal Dementia  
**M. Michelutti**
- 17.00 Copathologies in Parkinsonism: Lesson Learned From Epidemiology and Clinical Practice  
**P. Turcano**
- 17.15 Impact of Alzheimer's Co-Pathology on Basal Forebrain Atrophy and Cognitive Decline in Dementia with Lewy Bodies  
**T. Giannelli**
- 17.30 Caregiver Perspectives Enable Accurate Diagnosis of Neurodegenerative Disease  
**A. Murley**
- 17.45 Amyloid Pathology in Neurodegeneration: Implications for Disease-Modifying Therapies  
**D. Urso**
- 18.00 MRS and MEG Biomarkers in Frontotemporal Lobar Degeneration  
**S. Tan**
- 18.15 Conclusion first day  
**B.F. Boeve, R. Savica**



Wednesday, 21 May

C.D. Santa Marcellina, S.M. di Leuca

#### SESSION 4

### FRONTIERS IN IMAGING TECHNIQUES

**Chairs: J. Rowe, R. De Blasi**

- 09.00    **Advanced Imaging Approaches in Progressive Supranuclear Palsy**  
**J. Rowe**
- 09.30    **Neuroimaging Biomarkers in PSP and CBD**  
**S. Nigro**
- 09.50    **Dopaminergic Striatal Impairment in FTD**  
**D. Urso**
- 10.10    **Coffee break**

#### SESSION 5

### THE ROLE OF AI: FROM COGNITIVE ASSESSMENT TO ADVANCED NEUROIMAGING

**Chairs: J.B. Pereira, J. Rowe**

- 10.30    **Novel MRI Techniques in Neurodegenerative Disorders**  
**J.B. Pereira**
- 11.00    **Normative Modeling for Neuroimaging Sciences**  
**M. Veronese**
- 11.30    **Radiomics and AI in Neuroimaging**  
**B. Tafuri**
- 11.50    **The Role of Artificial Intelligence in Advanced Neuroimaging Analysis**  
**G. Volpe**
- 12.20    **Conclusion of the meeting**  
**R. Savica, G. Logroscino**
- 13.00    **Short lunch**



## FACULTY



**BRADLEY F. BOEVE, MD**

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## GENERAL INFORMATION

### Venue

The Workshop will be held:  
on Monday, May 19th in Tricase at  
**Palazzo Gallone**  
address: Piazza Giuseppe Pisanelli, 1  
73039 Tricase (LE) Italy

from Tuesday, May 20th to Wednesday,  
May 21st in Santa Maria di Leuca at  
**Centro D. Santa Marcellina**  
address: C.da Masseria Li Turchi  
73040 Santa Maria di Leuca (LE) Italy



### Working Language

The official language of the congress will be English.

**Organizing Secretariat  
and CME Provider**



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