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UNIVERSITÀ
DEGLI STUDI DI BARI
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

USA - Professor of Neurology, Mayo Clinic



BARBARA BORRONI, MD

Italy - University of Brescia

IRCCS Centro San Giovanni di Dio Fatebenefratelli



K. RAY CHAUDHURI, MD, DSc, FRCP, FEAN

UK - Parkinson's Foundation Centre of Excellence, King's College Hospital, London



GREGORY DAY, MD

USA - Mayo Clinic in Florida



ROBERTO DE BLASI, MD

Italy - Former Director - Radiology Dpt. "Pia Fondazione "Card. Panico", Tricase, Lecce



GUGLIELMO FOFFANI, PhD

Spain - HM CINAC, Hospital Universitario HM Puerta del Sur, Móstoles, Madrid



THOMAS GIANNELLI, MD

Italy - Department of Translational Biomedicine and Neuroscience (DiBrain),
University of Bari "Aldo Moro"



STEFANO GIANNONI-LUZA

Italy - Department of Clinical Research in Neurology, Center for Neurodegenerative
Diseases and the Aging Brain, University of Bari 'Aldo Moro',
"Pia Fondazione Cardinale G. Panico", Tricase, Lecce



VALENTINA GNONI, MD, PhD

Italy - Center for Neurodegenerative Diseases and the Aging Brain,
University of Bari "Aldo Moro", "Pia Fondazione Cardinale G. Panico", Tricase (Le)



NEGIN HOLLAND, MD

UK - Neurology Clinical Lecturer, University of Cambridge and Cambridge University Hospitals



DAVE JONES, MD

USA - Mayo Clinic



GIANCARLO LOGROSCINO, MD, PhD

Italy - Professor of Neurology, Center for Neurodegenerative Diseases and the Aging Brain,
University of Bari 'Aldo Moro', "Pia Fondazione Cardinale G. Panico", Tricase, Lecce
University of Bari Aldo Moro - DiBrain



MARCO MICHELUTTI, MD

Italy - Neurology Unit, Department of Medical, Surgical and Health Sciences,
University of Trieste



Germany - Department of Neurology, University Hospital Ulm, Ulm.

Center for Neurodegenerative Diseases and the Aging Brain,

University of Bari Aldo Moro at Pia Fondazione "Card. G. Panico", Tricase (Le)



ALEX MURLEY, MD

UK - University of Cambridge

FACULTY



SALVATORE NIGRO, PhD

Italy - Institute of Nanotechnology, National Research Council (CNR-NANOTEC),
c/o Campus Ecotekne, Lecce.
Center for Neurodegenerative Diseases and the Aging Brain, University of Bari "Aldo Moro"
A.O. Pia Fond. "Card. G. Panico" - Tricase, Lecce



MARKUS OTTO, MD

Germany - University Clinic, Halle (Saale)



JOANA B. PEREIRA, PhD

Sweden - CNS Department, Karolinska Institute, Stockholm, Sweden



ELEONORA ROLLO, MD

Italy - Center for Neurodegenerative Diseases and the Aging Brain,
University of Bari "Aldo Moro", "Pia Fondazione Cardinale G. Panico", Tricase (Le)



JAMES ROWE, MD

UK - Cambridge Centre for Frontotemporal Dementia and Related Disorders
Department of Clinical Neuroscience, University of Cambridge



RODOLFO SAVICA, MD, PhD

USA - Professor of Neurology and Epidemiology, Consultant, Program Director Movement
Disorders Fellowship, Department of Neurology and Health Science Research,
Mayo Clinic, Rochester



BENEDETTA TAFURI, PhD

Italy - Department of Engineering of Innovation, University of Salento, Lecce, Italy
Center for Neurodegenerative Diseases and the Aging Brain, University of Bari "Aldo Moro"
at Pia Fondazione "Card. G. Panico", Tricase (Le)



MICHELE TAGLIATI, MD

USA - Cedars-Sinai Medical Center, Los Angeles, CA



SEAN TAN, MD

UK - Department of Clinical Neurosciences and MRC and Cognition Brain Sciences Unit,
University of Cambridge



PIERPAOLO TURCANO, MD

USA - Assistant professor of Neurology. Rush University Medical Center, Chicago



DANIELE URSO, MD, MPH

Italy - Center for Neurodegenerative Diseases and the Aging Brain,
University of Bari "Aldo Moro", "Pia Fondazione Cardinale G. Panico", Tricase (Le)



MATTIA VERONESE, PhD

Italy - Dipartimento di Ingegneria dell'informazione, University of Padua
UK - Neuroimaging Department - King's College London



GIOVANNI VOLPE, PhD

Sweden - Department of Physics, University of Gothenburg, Gothenburg, Sweden



CHIARA ZECCA, MSC

Italy - Center for Neurodegenerative Diseases and the Aging Brain,
University of Bari "Aldo Moro" at A.O. "Card. G. Panico" Hospital, Tricase (Le)

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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**



CENTRO ITALIANO CONGRESSI CIC

Viale Ecrivà 28 - 70124 Bari
Tel. +39.080.5043737 - Fax +39.080.5043736
E-mail: info@cicsud.it - www.cicsud.it