



**Provider 175: Società Italiana Parkinson e
Disordini del Movimento/LIMPE-DISMOV ETS**

I DISTURBI DEL MOVIMENTO COME DISFUNZIONI DI NETWORK

Rimini 13 Maggio 2026

**PALACONGRESSI DI RIMINI IEG EXPO
Via della Fiera, 23
47923 Rimini (RN)**

Responsabile Scientifico: Mario Giorgio Rizzone

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DESTINATARI INIZIATIVA

PROFESSIONE	DISCIPLINE
MEDICO CHIRURGO	NEUROLOGIA; NEUROFISIOPATOLOGIA; NEUROCHIRURGIA; GERIATRIA; MEDICINA FISICA E RIABILITAZIONE; PSICHIATRIA

OBIETTIVO FORMATIVO: DOCUMENTAZIONE CLINICA. PERCORSI CLINICO-ASSISTENZIALI DIAGNOSTICI E RIABILITATIVI, PROFILI DI ASSISTENZA - PROFILI DI CURA

AREA FORMATIVA: OBIETTIVI FORMATIVI DI PROCESSO

NUMERO DI CREDITI RICONOSCIUTI: 1

PROGRAMMA

Mercoledì 13 Maggio 2026

1 h

I disturbi del movimento come disfunzioni di network

Moderatore: *R. Cilia* (Milano)

13.30 **Dal connettoma alla clinica**

F. Agosta (Milano)

13.50 **Meccanismi di compenso nella malattia di Parkinson: la sinergia di neuroimaging e neurofisiologia**

R. Cilia (Milano)

14.10 **Guida pratica all'uso clinico della neurofisiologia di tremore, bradicinesia e distonia**

A. Guerra (Padova)

RAZIONALE

Il corso propone un approccio integrato ai disturbi del movimento, basato sulle reti cerebrali e sull'integrazione di neuroimaging e neurofisiologia. Mira a migliorare la comprensione dei fenotipi clinici, la diagnosi e le scelte terapeutiche, con particolare attenzione alla malattia di Parkinson. Viene inoltre fornita una guida pratica all'uso della neurofisiologia nei principali quadri clinici, come tremore, bradicinesia e distonia.

CURRICULUM

Relatore	Laurea	Specializzazione	Affiliazione
Agosta Federica	• Medicina e Chirurgia	• Neurologia	• Prof. associato Università Vita-Salute San Raffaele Dip.to di Neurologia Istituto Scientifico San Raffaele, Milano
Cilia Roberto	• Medicina e Chirurgia	• Neurologia	• Dirigente Medico, Parkinson e Disturbi del Movimento, Fondazione IRCCS Istituto Neurologico Carlo Besta, Milano
Guerra Andrea	• Medicina e Chirurgia	• Neurologia	• Assistente Professore Unità Parkinson e Disturbi del Movimento Centro di Studio sulla Neurodegenerazione (CESNE), Dip.to Neuroscienze, Università di Padova, Padova

PERSONAL INFORMATION

Family name, First name: AGOSTA, Federica
 Researcher unique identifier(s): J-9908-2016
 Date of birth: April 1st, 1978
 Nationality: Italian
 URL for web site: <https://www.unisr.it/docenti/a/agosta-federica>

EDUCATION

2012 PhD, Experimental Neurology, International PhD Course in Molecular Medicine, Vita-Salute San Raffaele University (UniSR), Milan, Italy. PhD Supervisor: Prof. M. Filippi
 2008 Board certification (Specialization) in Neurology, Faculty of Medicine and Surgery, UniSR, Milan, Italy
 2003 MD, Faculty of Medicine and Surgery, UniSR, Milan, Italy

CURRENT POSITIONS

2023-present Clinical Operations Manager, Neurology Unit, Ospedale San Raffaele (OSR), Milan, Italy
 2022-present Responsabile di Unità Funzionale, Neurology Unit, OSR, Milan, Italy (field: Neurodegenerative Diseases including Alzheimer's and other dementia, Parkinson's and other movement disorders, vascular cognitive impairment)
 2020-present **Associate Professor of Neurology, UniSR, Milan, Italy**
 2017-present Group Leader, Neuroimaging of Neurodegenerative Diseases Unit, Institute of Experimental Neurology (INSPE), Division of Neuroscience, OSR, Milan, Italy

PREVIOUS POSITIONS

2017-2020 Assistant Professor of Neurology (RTD-b), UniSR, Milan, Italy
 2013-2016 Project Leader, Neuroimaging Research Unit, Institute of Experimental Neurology, Division of Neuroscience, OSR, Milan, Italy
 2012-2013 Post-Doctoral Fellow, Neuroimaging Research Unit, Institute of Experimental Neurology, Division of Neuroscience, OSR, Milan, Italy
 2008-2017 Non-Tenured Professor - Neurology, Faculty of Medicine and Surgery, UniSR, Milan, Italy
 2007-2008 Visiting Research Fellow, Memory and Aging Center, Department of Neurology, University of California San Francisco, San Francisco, CA, USA

INSTITUTIONAL/ACADEMIC POSITIONS

2024-present Coordinator PhD program in Cognitive and Behavioral Sciences, UniSR, Milan
 2024-present Co-PI San Raffaele Neurotech Hub, UniSR, Milan
 2022-present Member Executive Committee Institute of Experimental Neurology (INSPE), OSR
 2022-2033 **Qualification (Abilitazione Scientifica Nazionale) as Full Professor of Neurology SSD MEDS-12A (MED26 -06/D6)**
 2021-present President, Board of Master's Degree in Rehabilitation science for healthcare professionals, UniSR, Milan
 2018-2024 PhD Teaching Board, PhD program in Cognitive Neuroscience, UniSR, Milan
 2017-present Visiting Professor, University of Belgrade, Serbia
 2017-present Member, Interfaculty Centre for Gender Studies, UniSR, Milan
 2013-present Director of Studies, Neuroscience and Experimental Neurology, PhD Course Molecular Medicine, UniSR, Milan, Italy

AWARDS

2024 Selected as one of Forbes Italy's 100 Women of 2024
 2020 Member Club "Top Italian Women Scientists"
 2019 European Grand Prix for Young Researcher, Foundation for Research on Alzheimer
 2017 ERC Starting grant
 2013 Junior Faculty Awards at the 11th International Conference on Alzheimer's and Parkinson's
 2010 Young researcher participant to the 60th Interdisciplinary Meeting of Nobel Laureates from June 27 to July 2, 2010, at Lindau (Germany)
 2007 First prize European Charcot Foundation, Young Investigators Awards For Multiple Sclerosis Research

EDITORIAL & REVIEWING ACTIVITIES

2024 Member Advisory Board, *Neurological Sciences*
 2023 Member international scientific commission SVS-3, Fund for Scientific Research-FNRS
 2020-present Editorial Board, *Neurology*
 2019-present Reviewer and Member of the Panel, LS5 Neuroscience, ERC StG Grants
 2016-present Associate Editor, *NeuroImage: Clinical*
 2015-2020 Editorial Board, *Journal of Neuroimaging*
 2012-present Editorial Board, *Journal of Neurology*
 Reviewer for several journals including: *Alzheimer's & Dementia; Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration; Annals of Neurology; BMC Medicine; Brain; Cerebral Cortex; Cortex; European Journal of Neurology; HBM; JAMA Neurology; Journal of Neurology; JNNP; Lancet Neurology; Molecular Psychiatry; Movement Disorders; Movement Disorders Clinical Practice; Nature Reviews Neurology; NeuroImage; NeuroImage: Clinical; Neurological Sciences; Neurology; PLoS ONE.*

MEMBERSHIPS OF SCIENTIFIC SOCIETIES

2024-present Member, EAN Scientific Committee
 2023-present Co-Chair EAN ALS & FTD Panel
 2022-2023 Elected Member Management Group EAN ALS & FTD Panel
 2022-present Elected Member Steering Committee SINDem
 2020-present Coordinator Neuroimaging Study Group, SIN
 2020-2022 Elected Treasurer, SINDem
 2020-2022 Elected Chair EAN Neuroimaging Panel
 2019-2024 Elected Chair Steering Committee NiSALS
 2019-present Coordinator Neuroimaging in Dementia Group, SINDem
 2017-2020 Elected Secretary, SINDem
 2017-2019 Elected Member Steering Committee NiSALS
 2016-2017 Elected Member Steering Committee SINDem
 2015-present Member, SIN
 2014-present Member, EAN & EAN Neuroimaging Panel (2016-2020, Elected Member of the Management group)
 2012-present Member, SINDem
 2010-present Member, NiSALS

ORGANISATION OF SCIENTIFIC MEETINGS

2025 Scientific Committee, 2025 Associazione Neurologia Emergenza Urgenza (ANEU)
 2013-2024 Organizing Committee, Annual Neuroimaging Society in ALS (NiSALS) Symposium.
 2021 ISFTD scientific committee "International Society for Frontotemporal Dementias" (ISFTD) 2022 Lille
 2020 Course director, Scientific Session "Neuroimaging challenges: a case-based workshop". XV Congress of the Italian Society for the Study of Dementia (SINDem). Firenze, Italy
 2019-2020 Organising Committee, 2020 Congress of the Italian Neurological Society (SIN)
 2019-2021 Organising Committee, SINDem Congresses
 2018 Course director, Teaching Course "Neuroimaging and early detection of neurological diseases – Level 2", 4th Congress of the European Academy of Neurology (EAN). Lisbon, Portugal.
 2018-present Programme committee, ENCALS (European Network for the Cure of ALS)
 2016 Scientific Committee, ENCALS 2016, Milan, Italy
 2015-2022 Scientific Committee, Winter Seminars on Dementia, Italian Neurology Society for the Study of Dementia, Brixen, Italy
 2015 Scientific Committee, Meeting of the Italian Chapter of the ISMRM, Verona, Italy
 2013-present Scientific Committee, "MR Techniques in Neurodegenerative Diseases" Courses. Milan, Italy

PUBLICATIONS

Total number of Publications (in peer-reviewed international journals): 369
 H index: 75 (Scopus); 89 (Google Scholar)

ON-GOING/PREVIOUS FUNDING AS PRINCIPAL INVESTIGATOR

<i>Project Number – Title</i>	<i>Funding source</i>	<i>Role</i>	<i>Total funding (Euros)</i>	<i>Start/end dates</i>
NeuroDETECT - Network-Based Diffusion Analysis for Early Detection of Neurodegenerative Diseases (MNESYS Spoke 2)	Italian Ministry of University and Research (NextGeneratio nEU call)	Co-PI	212.637,40	July 2024-June 2025
GENDERIZE-PD - Effect of biological sex on multimodal biomarkers of disease progression in patients with Parkinson's disease: from pathophysiological mechanisms to equitable health outcomes.	Italian Ministry of University and Research	PI	261.777	Oct 2023-Oct 2025
HICALS JPND2022-037 - Hypothalamic mechanisms of High-Calorie intervention in ALS	JPND	PI (OSR Unit)	1.270.000	June 2023-May 2026
PNRR-MAD-2022-12376826 - A window into the mind-brain-body interplay: development of diagnostic, prognostic biomarkers and rehabilitation strategies in functional motor disorders	Italian Ministry of Health (NextGeneratio nEU call)	PI (OSR Unit)	1.000.000	May 2023-May 2025
ERC Starting Grant NeuroTRACK-714388 - Tracking and predicting neurodegeneration spreading across the brain connectome	European Research Council	PI	1.496.994	Apr 2017- Sept 2023
GR-2011-02351217 - Multimodal magnetic resonance imaging diagnosis of frontotemporal lobar degeneration (FTLD): using supervised Machine Learning Techniques to classify individual FTLD and Alzheimer's disease patients	Italian Ministry of Health and Regione Lombardia	PI	371.036	Nov 2014-Nov 2018
MacLearnALS - The utility of machine learning in the identification of ALS and other motor neuron diseases	AriSLA	PI	60.000	March 2014-July 2015
GR-2010-2303035 - The topological organization of anatomical and functional cortical brain networks in patients with the behavioral variant of frontotemporal dementia and primary progressive aphasia	Italian Ministry of Health	PI	322.400	Dec 2012- Nov 2016
GR-2009-1577482 - The morphological and microstructural MRI correlates of motor, cognitive and neurobehavioral impairment in Parkinson disease	Italian Ministry of Health	PI	179.400	Dec 2011-June 2015

17/04/2026

Federica Agosta

CURRICULUM VITAE



PERSONAL INFORMATION

Name	CILIA ROBERTO
Address	Fondazione IRCCS Istituto Neurologico Carlo Besta, via Celoria 11, 20133, Milano
Telephone	(+39) 3474312752
Fax	(+39) 02-57993468
E-mail	roberto.cilia@istituto-besta.it roberto.cilia@gmail.com ;
Nationality	ITALIAN
Date of birth	July 10th, 1978
Place of birth	Tradate (VA), Italy

WORKING EXPERIENCE

From April 11 2024, ongoing
Member of the Board of Directors of the Italian Society of Parkinson's and Movement Disorders LIMPE-DISMOV

From September 01 2023, ongoing
Member of the Education Committee of the International Parkinson and Movement Disorder Society (MDS)

From August 1st 2023, ongoing
In Charge of the Parkinson and Continuity of Care Unit (Responsabile S.S. Parkinson e Continuità Assistenziale), Fondazione I.R.C.C.S. Istituto Neurologico "Carlo Besta"

From December 01st 2022, ongoing
Associate Editor of the journal 'Parkinsonism and Related Disorders'

From October 29th, ongoing
Co-Principal Investigator of the multicenter study entitled "Integrated Management of atypical Parkinsonism: A home-based patient-Centered healthcare delivery based on Telenursing. IMPACT Study.
PNRR-MR1-2022-12376921 **funded by the Italian Ministry of Health**

From August 16th 2022, ongoing
Associate Editor of the journal 'Frontiers in Aging Neuroscience'

From July 29th 2021, ongoing
Editor-in-Chief Section 'Neuromuscular and Movement Disorders' of the journal "Brain Sciences", MDPI

From May 05th 2020, ongoing
Associate Editor of the journal 'Frontiers in Neuroscience', section Movement Disorders

From February 28th 2019, ongoing
Principal Investigator of the multicenter study entitled: "Ambroxol as a disease-modifying treatment to reduce the risk of cognitive impairment in GBA-associated Parkinson's disease. A multicenter, randomized, double-blind, placebo-controlled, phase 2 trial".
Ricerca Finalizzata (GR-2018-12366771) **funded by the Italian Ministry of Health.**

From January 2018 to October 2019
Member of the Network Board of the Telethon Network of Genetic Biobanks (TNGB) (Application No: GTB17001)

From April 01st 2018 to 26 September 2023

Local Principal Investigator of the multicenter project entitled "Early Diagnosis and Pathogenesis of Idiopathic Parkinson's disease and dementia with Lewy Bodies: the search for reliable biomarkers" at the Parkinson Institute, ASST Centro Specialistico Ortopedico Traumatologico Gaetano Pini-CTO, Milan
Ricerca Finalizzata (RF-2016-02362047) funded by the Italian Ministry of Health.

From December 2017 to 31 October 2019

Director of the Parkinson Institute Biobank
ASST Centro Specialistico Ortopedico Traumatologico Gaetano Pini-CTO
National Health Service

From May 2017, ongoing

Adjunct Professor at the University of Milano-Bicocca, Milan, Italy
Specialization School in Neurology. Topic: "Movement Disorders".

From January 2016 to October 31st 2019

Senior Staff Medical Officer (Dirigente Medico di primo livello) – Neurologist
ASST Centro Specialistico Ortopedico Traumatologico Gaetano Pini-CTO
National Health Service

From March 8th 2010 to December 31st 2015

Senior Staff Medical Officer (Dirigente Medico di primo livello) – Neurologist
AO Istituti Clinici di Perfezionamento
National Health Service

From January 2009 to August 2009

Research Fellowship - University of Toronto
PET Imaging Centre, CAMH, Toronto Western Research Institute and Hospital

From November 2004 to November 2009

University of Milano-Bicocca - Specialization School in Neurology
Resident in Neurology

From January 2004 to October 2004

AO Istituti Clinici di Perfezionamento
Voluntary attendee at the Parkinson Institute, CTO, Milano

EDUCATION

- January 28th, 2022

Ministry of Health, University and Research
National Scientific Qualification (ASN) for 'Full Professor of Neurology'
(Bando D.D. 553/2021 Settore Concorsuale 06/D6. Fascia: I).

- December 5th, 2017

Ministry of Health, University and Research
National Scientific Qualification (ASN) for 'Associate Professor of Neurology'
(Bando D.D. 1532/2016 Settore Concorsuale 06/D6. Fascia: II).

- November 2004 to November 2009

University of Milano-Bicocca.
November 3rd, 2009. **Neurology Specialization. Vote 70/70**

- Professional Qualification at the University of Insubria, Varese: 2003, second session.

- October 1997 to October 2003

University of Insubria, Varese.
October 20th, 2003. **Medical Degree. Graduation Mark 110/110 with honour.**

- September 1992 to July 1997

Scientific High School 'Marie Curie', Tradate (VA)
July 1997 – **High School Diploma Vote 60/60**

CLINICAL SKILLS	
NATIVE LANGUAGE	ITALIAN
OTHER LANGUAGE	ENGLISH
• Reading abilities	Excellent
• Writing abilities	Excellent
• Speaking abilities	Fluent

ABILITY TO WORK IN MULTICULTURAL ENVIRONMENT AND TEAM-BUILDING:

- From 2018, ongoing: Academic tutoring and thesis supervisor of many Residents in Neurology, in training at the University of Milano-Bicocca, Milano (n=6), University of Milan 'Statale' (n=2), University of Campania "Luigi Vanvitelli", Naples (n=1), University La Sapienza, Rome (n=2), University of Ferrara (n=1), Italy; University of Cagliari (n=1).
- In 2017 and 2018: Member of the International Jury for the PhD thesis defense n=2 students, Dept. of Neuroscience and Cognition at the University Claude Bernard of Lion 1, Lion, France.
- From 2008, ongoing: Coordinator of a multicenter project on the diagnosis and management of Parkinson' disease sub-Saharan Africa and P.I. of clinical trials on *Mucuna pruriens* in Ghana.
- From 2016 to 2017: Coordinator of a project on the use of *Mucuna pruriens* in Parkinson's disease in collaboration with a local neurologist at the Niño Jesus Clinic, Santa Cruz (Bolivia).

LEADERSHIP ABILITIES

TRIALS CLINICI (PRINCIPAL INVESTIGATOR):

- Co-Principal Investigator of the national multicenter project PNRR-MR1-2022-12376921 entitled "Integrated Management of atypical Parkinsonism: A home-based patient-Centered healthcare delivery based on Telenursing. IMPACT Study.
- WP Manager for the multicenter clinical trial on the use of *Mucuna pruriens* in Parkinson's disease in the context of the international project entitled: "Transforming Parkinson's Care in Africa (TraPCAf)" (grant NIHR133391)
- Principal Investigator of the national multicenter clinical study Ricerca Finalizzata Giovani Ricercatori (GR-2018-12366771) entitled "Ambroxol as a disease-modifying treatment to reduce the risk of cognitive impairment in GBA-associated Parkinson's disease. A multicenter, randomized, double-blind, placebo-controlled, phase 2 trial."
- Principal Investigator del RCT: *Mucuna Pruriens* Therapy in Parkinson's Disease: a Double-blind, Placebo-controlled, Randomized, Crossover Study. Protocol ID: SBN.SC.013/2015. ClinicalTrials.gov ID: NCT02680977.
- Principal Investigator del RCT: *Mucuna pruriens* in Parkinson's disease: an international multicentre, non-inferiority, randomised, controlled clinical trial. Registered at the Pan African Clinical Trial Registry database. ID: PACTR201611001882367.

ACADEMIC TEACHING EXPERIENCES:

a) From 2017, ongoing.

Teaching activity at the Specialization School in Neurology, University of Milano-Bicocca.

Topics: 'Genetics of Parkinson's disease', 'Parkinson's disease: advanced-stage therapies', 'Palliative care in Movement Disorders'

- San Gerardo Hospital, Monza, May 9th 2017 (4 hours of teaching activity)
- San Gerardo Hospital, Monza, May 29th 2018 (4 hours of teaching activity)
- San Gerardo Hospital, Monza, April 17th and May 28th 2019 (6 hours of teaching activity)
- Virtual Teaching, April 20th and 28th 2020 (6 hours of teaching activity)
- San Gerardo Hospital, Monza, May 25th and June 3rd 2021 (8 hours of teaching activity)
- San Gerardo Hospital, Monza, June 09th and November 3rd 2022 (8 hours of teaching activity)
- San Gerardo Hospital, Monza, March 23rd and March 30th 2023 (8 hours of teaching activity)
- San Gerardo Hospital, Monza, March 21st and March 28th 2024 (8 hours of teaching activity)
- San Gerardo Hospital, Monza, April 3rd and April 24th 2025 (8 hours of teaching activity)

b) From 2015 to 2017.

Teaching activity at the "First Level Master in Care for people with severe disabilities: clinical, welfare, educational and managerial aspects", University of Milan, Milan, Italy. Topic: 'Parkinson's disease'.

- Milano, May 14th 2015 (9 hours of teaching activity);
- Milano, March 18th & April 1st 2016 (8 hours of teaching activity);
- Milano, March 17th & March 31st 2017 (8 hours of teaching activity).

AWARDS:

International Awards:

- **Winner of Junior Award of the Movement Disorder Society for Clinical Research.** 14th International Congress of Parkinson's Disease and Movement Disorders, Buenos Aires (Argentina), June 13-17th, 2010. Research title: "Pathological gambling in patients with Parkinson's disease is associated with fronto-striatal disconnection: a path modeling analysis".
- **Best submission award for the "Research Ideas to Bridge Knowledge Gaps in Movement Disorders" contest.** Knowledge Gaps in Parkinson's Disease and other Movement Disorders, 1st edition. Taormina, February 5-7th 2010.
- **Award for 'The 2016 Excellence in Neurology'** for the study entitled: 'Survival and dementia in GBA-associated Parkinson's disease: the mutation matters' conferred by the Società Italiana di Neurologia (SIN) and the Société Française de Neurologie. Toulouse (France), March 28th 2017.
- **Blue Ribbon Highlight** for the study: 'Unraveling gut microbiota in Parkinson's disease and atypical parkinsonism'. Plenary session at the International Congress of Parkinson's Disease and Movement Disorders; Hong Kong, 5-9 Ottobre 2018.
- **Blue Ribbon Highlight** for the study: 'Chronic Mucuna pruriens in advanced Parkinson's Disease: A non-inferiority, randomized, crossover, phase-2b pilot trial.' Oral communication at the XXII World Congress on Parkinson's Disease and Related Disorders; Ho Chi Minh (Vietnam), November 12-15th 2017.

National awards:

- **Winner of the Young Researchers 'Ricerca Finalizzata' (Progetto GR-2018-12366771).** Accademia dei Lincei (ROMA) June 4th, 2019
- **Clinical and imaging characterization of a patient with idiopathic progressive ataxia and palatal tremor. LIMPE (Video session).** Palermo, November 23-25, 2007. Winner of LIMPE commission special prize.
- **Two sisters with Gerstmann-Straussler-Sheinker syndrome. R. Cilia. LIMPE (Video session).** Rome, November 7-9, 2008. Winner of LIMPE commission's special prize.

INTERNATIONAL COLLABORATIONS:

- 1) Member of the International Parkinson and Movement Disorder Society:
 - Education Committee from August 2023, ongoing
 - Neuroimaging Study Group from 2016, ongoing
 - Task Force on Africa from 2013 to 2018

EDITORIAL BOARD:

- Editor-in-Chief of the Neuromuscular and Movement Disorders section of 'Brain Sciences', Edited by MDPI.
- Associate Editor of the journal 'Parkinsonism and related Disorders', Edited by Elsevier.
- Associate Editor of the journal 'Frontiers in Ageing Neuroscience'
- Associate Editor of the journal 'Frontiers in Neurology'.

FUNDING:

- 28 February 2019. Winner of a Grant as Principal Investigator of the Finalized Research Project GR-2018-12366771 entitled "Ambroxol as a disease-modifying treatment to reduce the risk of cognitive impairment in GBA-associated Parkinson's disease. A multicenter, randomized, double-blind, placebo-controlled, phase 2 trial." sponsored by the Ministry of Health, Italy. Funding € 449,200.00.
- April 2018. Winner of a Grant as Co-Investigator (Scientific Responsible for the Parkinson Center ASST G. Pini-CTO) of the Finalized Research Project (RF-2016-02362047) entitled "Early Diagnosis and Pathogenesis of Idiopathic Parkinson's disease and dementia with Lewy Bodies: the search for reliable biomarkers", sponsored by the Ministry of Health, Italy. Funding € 108,509.50.
- July 2017. Winner of a Grant sponsored by the Movement Disorders Society (MDS) for the project: "Accessibility of Parkinson's Disease Medicines in Ghana: a National Survey". Funding USD 5,000.
- September 2012. Winner of a Grant co-sponsored by the Movement Disorders Society (MDS) and the World Federation of Neurology (WFN) to organize the Workshop entitled: "Neurology Training for Non-Neurologists in West Africa: Focus on Parkinson's Disease and other Neurodegenerative Disorders", held in Accra (Ghana) 15-18 September 2013. Funding USD 20,000.

ORAL COMMUNICATIONS (Limited to International Congresses/Meetings, not comprehensive of all meetings)

- **Causes for Parkinson's Disease.** European Parliament, Bruxelles (Belgium). October 8th 2018.
Invited Speaker at the workshop "Parkinson's disease: causes & cures".
- **"Optimization of Levodopa therapy"** Seminario intitolato: 'XVIII REUNIÓN SOBRE NEUROFARMACOLOGÍA Y TERAPÉUTICA EN TRASTORNOS DEL MOVIMIENTO'. Madrid, Spagna. Data 26/05/2023
- **Personalized Medicine in Parkinson's disease: from symptomatic treatment to disease-modifying strategies.** University of Leuven, Belgio, 10 Novembre 2022.
- **Variations in motor response: Predicting treatment benefit, fluctuations, and dyskinesia.** World Congress on Parkinson's disease and Related Disorders. Prague. 01 Maggio, 2022
- **Local Availability and Sustainability.** International Parkinson and Movement Disorder Society – African Section Nurse and Allied Health Professionals Course. 3 Novembre 2021.
- **Levodopa: myths and mysteries about a miraculous drug.** PD Summit. Lisbona, Portogallo. 23 Ottobre 2021.
- **Telemedicine for Parkinsonism: A model based on the COVID-19 experience.** Virtual Lecture, PD-academy 2021. May 27th 2021
- **Modifying Gut Microbiota is a promising treatment for Parkinson's Disease?** World Congress on Parkinson's disease and Related Disorders. May 2nd, 2021
- **Parkinson disease motor complications and the role of Levodopa vs. Neurodegeneration.** XIII curso online de evaluacion, valoracion y terapeutica de la enfermedad do Parkinson. February 5th 2021.
- **Effects of COVID-19 on Parkinson's disease and how to manage patients during the pandemic.** Webinar at the meeting 'Enfermedad de Parkinson en tiempos de pandemia'. October 20th, 2020.
- **Environmental causes of Parkinson's disease: focus on the gut-brain axis.** NeuroMi 2019. Fifth International Meeting. Food for Brain: promoting health and preventing diseases. November 22nd, 2019
- **(a) Introduction to Pharmacological Management with Locally available Drugs. (b) Tremor – Differential diagnosis and treatment with a focus on Essential Tremor. (c) The challenge of providing sustainable treatment.** Teaching course for physicians, nurses and physiotherapists. International Parkinson and Movement Disorders Society. April 29th – May 3rd 2019. Moshi (Tanzania)
- **Does PD start in the Gut? No.** International Congress of Parkinson's Disease and Movement Disorders. Hong Kong, 9 Ottobre 2018. Plenary Session.
- **Future Perspectives: Enteric Glia, Small Intestine Bacteria Overgrowth, Microbiota in Parkinson's Disease.** XXII World Congress on Parkinson's Disease and Related Disorders. Ho Chi Minh (Vietnam), 12-15 Novembre 2017. Parallel session.
- **The association between GBA1 mutation and Parkinson's disease: a clinical perspective.** National Congress of the Italian Neuroscience Society. Ischia, October 3rd 2017
- **XII Reunion sobre Neurofarmacologia Y Terapeutica de Trastornos del Movimiento. Title: "Motor complications in Parkinson disease: Neurodegeneration, Medication or both, which is the culprit?"** Madrid, May 26th 2017.
- **Survival and dementia in GBA -associated Parkinson's disease: the mutation matters.** Toulouse (France), March 28th 2017.
- **X Reunion sobre Neurofarmacologia Y Terapeutica de Trastornos del Movimiento. Title: "Beyond the dopaminergic focus: Besides dopamine therapy, the non-dopaminergic pathways".** Madrid, May 29th 2015.
- **Geographical and Socioeconomic disparities in movement disorders care: an African Perspective.** 18th International Congress of Parkinson's Disease and Movement Disorders. Stockholm (Sweden) June 12th, 2014. Parallel Session.
- **Genetics of Impulse Control Disorders in PD: the role of Serotonin and its interaction with the Dopaminergic system.** Oral communication (Guided Poster Tour). 18th International Congress of Parkinson's Disease and Movement Disorders. Stockholm (Sweden) June 8-12th, 2014.
- **Long-term Cognitive Follow-up of Impulse Control Disorders in Parkinson's disease: a Prospective Longitudinal Controlled Study.** Oral communication (Guided Poster Tour). 17th International Congress of Parkinson's Disease and Movement Disorders. Sydney (Australia) June 16-20th 2013.
- **Future developments for understanding Apathy and Impulse Control Disorders in PD.** Open Issues in Parkinson's Disease: Questions and Answers. Movement Disorders. Cuglieri (OR) Mat 30-31st, 2013.
- **How Neurodegeneration, Dopamine and Maladaptive Behavioral Learning interact to produce Impulse Control Disorders in Parkinson's Disease.** 2nd International Conference on Knowledge Gaps in Parkinson's Disease and other Movement Disorders. Santa Margherita Ligure, February 9-11th 2012.
- **Impulse control disorders, DDS and punding in Parkinson's disease: Do they share Pathophysiological Mechanisms?** Buscando Respuestas En la Enfermedad de Parkinson. Segovia (Spagna) March 24th, 2012.
- **Parkinson's Disease in Ghana: Objectives, Clinical and Genetic findings from a 3-year experience.** XXth World Congress of Neurology. Marrakesh (Morocco), November 14th, 2011.
- **Clinical and Neuropsychological characterization of patients with Parkinson's disease and dopamine dysregulation syndrome.** Kiel (Germany) November 2nd, 2011
- **Parkinson's Care in Africa and South America: What we have learned and our plans for the future.** 2nd World Parkinson Congress. Glasgow (UK), October 1st, 2010.

- **Pathological gambling in patients with Parkinson's disease is associated with fronto-striatal disconnection: a path modeling analysis.** American Academy of Neurology, 62nd Annual Meeting, Toronto (Canada) April, 2010.
- **Subthalamic nucleus deep brain stimulation and impulse control disorders in Parkinson's disease.** Toronto Western Hospital, Toronto (ON, Canada), April 8th, 2009
- **Dopamine agonists, reward-based learning and novelty seeking in Parkinson's disease.** Toronto Western Hospital, Toronto (ON, Canada), May 27th, 2009
- **SPECT imaging in vascular dementia.** Fifth International Congress on Vascular dementia. Budapest, November 8-11th, 2007.

LIST OF PUBLICATIONS (Limited to peer-reviewed international journals)

SCOPUS Author ID: 12800792900. ORCID ID: orcid.org/0000-0002-1990-1939

h-index (SCOPUS): 45 (accessed November 5th, 2025). Total citations: 6.608 citations by 5.451 documents

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 147. **Cilia R**, Colucci F, Cereda E, Elia AE, Leta V, Barca S, Zibetti M, Carecchio M, Bonvegna S, Calandra-Buonaura G, Cerroni R, De Micco R, Tamburin S, Magistrelli L, Lena F, Mascia MM, Picillo M, Cossu G, Marano M, Zampogna A, Pellicano C, Fioravanti V, Pilotto A, Zangaglia R, Avenali M, Sorbera C, Di Biasio F, Arienti F, Nicoletti A, Bagella C, Malaguti MC, Ranghetti A, Caputo E, Alimonti D, Torre E, Oggioni GD, Leuzzi C, Romito LM, Andreasi NG, Devigili G, Telesse R, Braccia A, Gaudiano G, Mazzetti S, Invernizzi F, Garavaglia B, Imbalzano G, Ledda C, Antenucci P, Gozzi A, Bonato G, Percetti M, Giannini G, Sambati L, Schirinzi T, D'Anna M, Rinaldi D, Cavallieri F, Liccari M, Priori A, Sessa M, Tamma F, Canesi M, Solla P, Zappia M, Di Fonzo A, Avanzino L, Quartarone A, Valente EM, Pacchetti C, Padovani A, Valzania F, Pontieri FE, Suppa A, Pellecchia MT, Modugno N, Comi C, Tinazzi M, Tessitore A, Stefani A, Cortelli P, Isaia IU, Antonini A, Sensi M, Lopiano L, Eleopra R. Effects of GBA1 Variants in Patients With Parkinson's Disease and Levodopa-Carbidopa Intestinal Gel: A Nation-Wide, Multicenter, Longitudinal, "Real-World" Study. The EPIC Study. *Eur J Neurol.* 2025 Jul;32(7):e70179. doi: 10.1111/ene.70179.
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 149. Donadio V, Incensi A, Rizzo G, Furia A, Bonvegna S, Olivola E, Piatti M, Ventruto F, Vacchiano V, Delprete C, Ingelsson M, Modugno N, Postuma R, **Cilia R**,* Liguori R.* Skin intraneural phosphorylated α -synuclein is a highly specific biomarker for early Parkinson's disease. *Brain.* 2025 Sep 8:awaf313. doi: 10.1093/brain/awaf313. Epub ahead of print. (*equal contribution)
 150. Birreci D, Angelini L, De Riggi M, Aloisio S, Martini A, Grandolfo SA, Marsili L, **Cilia R**, Espay AJ, Bologna M. Visual DAT-SPECT Outperforms Semiquantitative Analysis in a "Pseudo-SWEDD" Case of Benign Tremulous Parkinsonism. *Mov Disord Clin Pract.* 2025 Oct 3. doi: 10.1002/mdc3.70374. Epub ahead of print.
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 152. Avenali M, Artusi CA, **Cilia R**, et al.; Italian PARKNET Study Group; Valente EM. Long-Term Motor and Cognitive Outcome of Deep Brain Stimulation in Patients With Parkinson Disease With a GBA1 Pathogenic Variant. *Neurology.* 2025 Nov 11;105(9):e214036. doi: 10.1212/WNL.0000000000214036.
 153. Gaudiano G, Cheyuo C, Braccia A, Golfre' Andreasi N, Levi V, Lozano AM, Fasano A, **Cilia R**, Eleopra R. Age-matched comparison of focused ultrasound thalamotomy for tremor in Parkinson's disease and essential tremor: A two-center retrospective study. *Parkinsonism Relat Disord.* 2025;141:108097. doi: 10.1016/j.parkreldis.2025.108097. Epub ahead of print.
 154. **Cilia R**, Cham M, Obese V, Akpalu A, Cereda E, Ame-Bruce E., Laryea R, Caronni S, Sarfo FS, Del Sorbo F, Fahn S, Pezzoli G. Mucuna pruriens in untreated Parkinson's disease in sub-Saharan Africa: a 12-month, multicenter, randomized, controlled trial. *J Parkinson Disease* 2025 (in press)

BOOK CHAPTERS:

- **Cilia R**. Molecular Imaging of the Cannabinoid System in Idiopathic Parkinson's Disease. *Int Rev Neurobiol.* 2018; 141:305-345. Epub 2018 Sep 7. PMID: 30314601. In: *Imaging in Movement Disorders*, 2018; pp 305-345. Edited by Marios Politis. Published by Elsevier Inc.
- Keshavarzian A, Engen O, Bonvegna S, **Cilia R**. The gut microbiome in Parkinson's disease: a culprit or a bystander? Progress in Brain Research, In press. In: *Recent Advances in Parkinson's Disease*. Edited by Anders Björklund and M. Angela Cenci. Published by Elsevier Inc.
- Bonvegna S, **Cilia R**. Disease Mechanisms as Subtypes: Microbiome. Precision Medicine and Neurodegenerative Disorders, Handbook of Clinical Neurology. Edited by Alberto Espay. Published by Elsevier Inc.

Milan, Italy. November 06th, 2025

Signature



PERSONAL INFORMATION

Andrea Guerra



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Sex M | Date of birth 05/02/1986 | Nationality Italian

EDUCATION AND TRAINING

- 2016 - 2019 PhD in Clinical-Experimental Neuroscience - cum laude
Sapienza University of Rome, Italy. Mentor: Prof. A. Berardelli
- October 2017 VI Advanced course on diagnosis and treatment of movement disorders
Prof. F. Morgante; Prof. A. Fasano; Prof. A. Espay
- October 2016 XXXVI Residential Course in Electromyography and Clinical Neurophysiology
Prof. D. De Grandis
- 2011 - 2016 Residency in Neurology - 50/50 cum laude
University Campus Bio-Medico of Rome, Italy. Mentor: Prof. V. Di Lazzaro
- March 2015 XIV Residential Course in EMG and Evoked Potentials
Prof. L. Santoro; Prof. P. Girlanda
- September 2014 Full registration with a licence to practice
General Medical Council, UK
- February 2011 Licence to practice as a Medical Doctor
Italy
- 2004 - 2010 Degree in Medicine and Surgery - 110/110 cum laude and Honor Thesis
University Campus Bio-Medico of Rome, Italy. Mentor: Prof. P.M. Rossini

WORK EXPERIENCE

Clinical experience

- 2023 - Inpatient (neurology ward and neurodegenerative disease unit ward) and outpatient clinic (movement disorders, infusion therapies and DBS clinic for advanced Parkinson's disease, botulinum toxin clinic)
Department of Neuroscience, "Azienda Ospedaliera Universitaria" of Padua, Padua, Italy
- 2016 - 2023 Outpatient clinic: movement disorders, botulinum toxin clinic and general neurology
Department of Human Neurosciences, Policlinico "Umberto I", Sapienza University of Rome, Rome, Italy
- 2018 - 2023 Outpatient clinic: clinical neurophysiology (nerve conduction studies, electromyography, evoked potentials) and botulinum toxin clinic
IRCCS Neuromed, Pozzilli, Italy
- 2013 - 2016 Outpatient clinic: neurodegenerative disorders (Alzheimer's Disease and other dementias, Parkinson's Disease and other movement disorders), botulinum toxin clinic, clinical neurophysiology (nerve conduction studies, electromyography, evoked potentials)
Department of Neurology, University Hospital Campus Bio-Medico, Rome, Italy
- 2015 Clinical Research Fellow in Experimental Neurology and Movement Disorders: movement disorders outpatient advanced clinic, Deep Brain Stimulation (DBS) outpatient clinic, DBS programming, intraoperative neurophysiological monitoring during DBS surgery
Nuffield Department of Clinical Neurosciences, John Radcliffe Hospital, University of Oxford, Oxford,

UK. Supervisor: Prof. P. Brown.

2011 - 2013 Neurology Ward and Neurology Day Case Investigation Unit.
Department of Neurology, University Hospital Campus Bio-Medico, Rome, Italy
Department of Neurology, San Giovanni Calibita - Fatebenefratelli Isola Tiberina Hospital, Rome, Italy

2009 - 2011 Neurology Ward and Clinical Neurophysiology Laboratory as post-graduate student
Department of Neurology, University Hospital Campus Bio-Medico, Rome, Italy
Department of Neurology, San Giovanni Calibita - Fatebenefratelli Isola Tiberina Hospital, Rome, Italy

Research experience/Fundings

2023 - Assistant Professor of Neurology (RTD-A)
Department of Neuroscience, University of Padua, Italy

2022 - 2023 Assistant Professor of Neurology (RTD-A)
Department of Human Neurosciences, Sapienza University of Rome, Italy

2018 - 2023 Paid collaborator for research activities
Department of Clinical Neurophysiology, IRCCS Neuromed, Pozzilli, Italy

2025 - Collaborator for the research project "Efficacy of psilocybin therapy for depression in Parkinson's disease" (Michael J Fox Foundation, project code: MJFF-025365, PI University of California San Francisco, Department of Psychiatry and Behavioral Sciences, funding 3.325.815 USD)
Department of Neuroscience, University of Padua, Italy

2024 - Collaborator for the research project "Examining ketamine effects on depression, neuroplasticity, and inflammation in Veterans with Parkinson's disease" (Department of Veterans Affairs Career Development Award USA (CDA-2), project code: CX002606-01A1, PI University of California San Francisco, Department of Psychiatry and Behavioral Sciences, funding 375.000 USD)
Department of Neuroscience, University of Padua, Italy

2023 - Funded as PI for the research project "Modulating the cerebellar activity through transcranial alternating current stimulation to improve motor symptoms in movement disorders" (Italian Ministry of University and Research, PRIN 2022 PNRR, funding 245.364 eur)
Department of Neuroscience, University of Padua, Italy

2023 - Funded as PI for the research project "Targeting the motor cortex in Parkinson's disease by gamma-transcranial alternating current stimulation: pathophysiological and therapeutic implications" (Italian Ministry of Health, GR-2021-12372323, funding 370.000 eur)
Department of Clinical Neurophysiology, IRCCS Neuromed, Pozzilli, Italy

2020 - 2022 Postdoctoral Researcher in movement disorders and neuromodulation
(2020-2021: "Borsa di ricerca" funded by Sapienza Foundation; 2021-2022: "Assegno di ricerca" funded by Sapienza University of Rome)
Department of Human Neurosciences, Sapienza University of Rome, Italy

2020 - 2023 Sub-investigator of the Zambon clinical trial Z7219N04: an observational, prospective, multinational, multicentre Study Comparing the effectiveness of safinamide, rasagiline and other "standard of care" as add-on therapy to levodopa (L-dopa) in Parkinson's disease (PD) fluctuating patients – SUCCESS Study
Department of Human Neurosciences, Sapienza University of Rome, Italy

2018 - 2020 Sub-investigator of the AbbVie clinical trial M12-927: An Open-label, Randomized 26-Week Study Comparing Levodopa-Carbidopa Intestinal Gel (LCIG) Therapy to Optimized Medical Treatment (OMT) on Non-Motor Symptoms (NMS) in Subjects with Advanced Parkinson's Disease – INSIGHTS Study
Department of Human Neurosciences, Sapienza University of Rome, Italy

2017 Co-PI for the research project "Neurophysiological correlates of bradykinesia in Parkinson's disease" (Bandi Ateneo - Sapienza University of Rome, RP11715C552B2AE0)
Department of Human Neurosciences, Sapienza University of Rome, Italy

- 2015 *Clinical Research Fellow* in Experimental Neurology and Movement Disorders: effect of transcranial Alternating Current Stimulation on the human motor system, usefulness of local field potentials recordings during DBS surgery to guide targeting
Nuffield Department of Clinical Neurosciences, University of Oxford, Oxford, UK. Mentor: Prof. P. Brown
- 2012 - 2014 *Research assistant* for the research project "Functional connectivity and neuroplasticity in physiological and pathological aging" (Scientific research programs of national interest, PRIN 2010-2011)
Department of Neurology, University Campus Bio-Medico of Rome, Italy
- 2013 *Paid collaborator* for the research project "Transverse, Intra-fascicular Multi-channel Electrode system for induction of sensation and treatment of phantom limb pain in amputees" (European Commission - Seventh Framework Programme, project number: 224012)
Department of Neurology, University Campus Bio-Medico of Rome, Italy
- 2010 - 2012 *Research assistant* for the research project "Prediction of cognitive decline in mild cognitive impairment subjects carrying genetic risk factors based on quantitative EEG and transcranial magnetic stimulation markers" (Italian National Institute of Health, GR-2008-1143091)
Department of Neurology, University Campus Bio-Medico of Rome, Italy

Teaching experience

- a.a. 2024-2025, 2025-2026 "Neurology" teaching at the first cycle degree programme in "Physiotherapy" (L/SNT2 - Health professions for rehabilitation) – 20 hrs/year
University of Padua, Faculty of Medicine and Surgery
- a.a. 2023-2024, 2024-2025, 2025-2026 "Human Physiology and Psychology - Neurophysiology" teaching at the first cycle degree programme in "Neurophysiopathology techniques" (L/SNT3 - Technical health professions) – 20 hrs/year
University of Padua, Faculty of Medicine and Surgery
- "Neurophysiopathology 3 - Electromyography" teaching at the first cycle degree programme in "Neurophysiopathology techniques" (L/SNT3 - Technical health professions) – 30 hrs/year
University of Padua, Faculty of Medicine and Surgery
- "Functional rehabilitation 2 - Neurology" teaching at the first cycle degree programme in "Occupational Therapy" (L/SNT2 - Health professions for rehabilitation) – 20 hrs/year
University of Padua, Faculty of Medicine and Surgery
- a.a. 2021-2022 University Master's degree programme in "Central and peripheral therapeutic neuromodulation in neurology and psychiatry: principles and techniques" - 5 hrs/year
Tor Vergata University of Rome, Faculty of Medicine and Surgery and IRCCS Neuromed

Students supervision

Supervisor/co-supervisor of residency theses in Neurology (a.a. 2024-2025 *University of Padua*; a.a. 2020-2021 *Sapienza University of Rome*), degree theses in Medicine and Surgery (a.a. 2023-2024 *University of Padua*), degree theses in Neurophysiopathology techniques (a.a. 2024-2025 and 2023-2024 *University of Padua*) and master degree theses in Neurosciences and Neuropsychological rehabilitation (a.a. 2023-2024 *University of Padua*)

Tutor of several Medical School Students for the EU Erasmus+ Programme

"Terza missione" activities

- 2024 Talk at the "Settimana Mondiale del Cervello – One Brain, One Health", Padua, Italy
- 2023 Talk at the "Giornata Nazionale Parkinson" 2023, Padua, Italy

PERSONAL SKILLS

Major clinical/research interests

Parkinson's Disease and other Movement Disorders. Neurodegenerative disorders. Clinical Neurophysiology. Non-invasive Brain Stimulation. Deep Brain Stimulation.

Mother tongue

Italian

Other languages	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B1	B2	B1	B1	B2
French	A2	A2	A2	A2	A1

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](#)

MEMBERSHIPS

- 2025 - Member of the "Biomarkers in Neurology" study group of the Italian Society of Neurology (SIN)
- 2025 - Member of the "Therapeutic Neurotechnologies" study group of the Italian Society of Neurology (SIN)
- 2022 - Member of the "Neuromodulation" study group of the Italian Society of Clinical Neurophysiology (SINC)
- 2018 - Member of the International Parkinson and Movement Disorder Society (MDS)
- 2017 - Member of the Italian Parkinson and Movement Disorders Society (LIMPE-DISMOV)
- 2016 - Member of the Italian Network Botulinum Toxin (RITB)
- 2015 - Member of the Italian Society of Neurology (SIN)
- 2013 - Member of the Italian Society of Clinical Neurophysiology (SINC)

HONORS AND AWARDS

- June 2022 Awarded with the National Scientific Qualification ("Abilitazione Scientifica Nazionale") as Associate Professor of Neurology.
- December 2021 Travel Grant Award assigned by the Italian Academy for the study of Parkinson's Disease and Movement Disorders (LIMPE-DISMOV) at the 7th Italian Congress; Bologna, Italy.
- September 2021 "Young Researcher 2021" Award assigned by the Italian Society of Clinical Neurophysiology (SINC), as best young researcher in the field of Clinical Neurophysiology.
- June 2019 Winner of the "Giovanni Battista Baroni" Award assigned by the Sapienza Foundation in support to research projects in Neurology.
- May 2019 Travel Grant Award assigned by the Italian Academy for the study of Parkinson's Disease and Movement Disorders (LIMPE-DISMOV) at the 5th Italian Congress; Catania, Italy.
- June 2018 Travel Grant Award assigned by the International Parkinson and Movement Disorder Society (MDS) at the 22nd International Congress of Parkinson's Disease and Movement Disorders; Hong Kong.
- May 2018 "Project Young and Research" Award assigned by the Italian Academy for the study of Parkinson's Disease and Movement Disorders (LIMPE-DISMOV) at the 4th Italian Congress; Rome, Italy.
- May 2016 Fellowship Grant assigned by the Italian Society of Clinical Neurophysiology (SINC) at the 61st Italian Congress of Clinical Neurophysiology; Latina, Italy.
- May 2015 Fellowship Grant assigned by the Italian Society of Clinical Neurophysiology (SINC) at the 60th Italian Congress of Clinical Neurophysiology; Verona, Italy.
- March 2014 Fellowship Grant assigned by the International Federation of Clinical Neurophysiology (IFCN) at the 30th International Congress of Clinical Neurophysiology; Berlin, Germany
- March 2011 National Award for degree thesis on dementia assigned by the Italian Federation of Alzheimer's

Disease; Milan, Italy.

EDITORIAL ACTIVITY

Ad-hoc reviewer for

Brain (Oxford University Press); *Brain Communications* (Oxford University Press); *Brain Stimulation* (Elsevier); *Cerebral Cortex* (Oxford University Press); *Clinical Neurophysiology* (Elsevier); *Cortex* (Elsevier); *European Journal of Neuroscience* (Wiley); *Journal of Alzheimer's Disease* (IOS Press); *Journal of Neural Transmission* (Springer US); *Movement Disorders* (Wiley); *Movement Disorders Clinical Practice* (Wiley); *Neurobiology of Aging* (Elsevier); *Neurobiology of Disease* (Elsevier); *NeuroImage* (Elsevier); *Neurological Sciences* (Springer US); *Neuromodulation: Technology at the Neural Interface* (Wiley); *Neuroscience* (Elsevier); *npj Parkinson's Disease* (Springer Nature); *Scientific Reports* (Springer Nature).

Member of the Editorial Board of

Clinical Neurophysiology, Elsevier
Frontiers in Human Neuroscience, Brain Imaging and Stimulation Section, Frontiers Media S.A.
Brain Sciences, Sensory and Motor Neuroscience Section, MDPI.

Leading Editor of

Special Issue "Recording and modulating neural activity in neurodegenerative diseases: pathophysiological and therapeutic implications". *Frontiers in Human Neuroscience*, Frontiers Media S.A. 2021.

Special Issue "Investigating and Modulating Physiological and Pathological Brain Oscillations: The Role of Oscillatory Activity in Neural Plasticity". *Neural Plasticity*, Hindawi Publishing Corporation. 2019.

PUBLICATIONS

(H-index: 27; total citations: 2497; average number of citations per publication: 28.7; total impact factor: 415.6; average impact factor per publication: 4.9; metrics source: *Scopus & Journal Citation Reports, Clarivate*)

* indicates equally first or last position

1. Local field potentials survey to guide DBS programming in Parkinson's disease: a clinical-neurophysiological longitudinal study. D'Onofrio V, Weis L, Rigon L, Ciprietti D, Grassi LL, Landi A, Porcaro C, Tinkhauser G, Antonini A, **Guerra A**. NPJ Parkinsons Dis. 2026. doi: 10.1038/s41531-025-01208-4.
2. Unraveling the role of GBA1 genotype in axial signs response to subthalamic deep brain stimulation. Bove F, Genovese D, De Biase A, Antonini A, Artusi CA, Avanzino L, Avenali M, Baldelli L, Calandra-Bonaura G, Cani I, Casasoli N, Cavallieri F, Cilia R, Cocco A, Colucci F, Di Biasio F, D'Onofrio V, Eleopra R, Fioravanti V, Giannini G, Golfrè Andreasi N, **Guerra A**, Imbalzano G, Izzo A, Ledda C, Liccari M, Lopiano L, Malaguti MC, Minardi R, Mitrotti P, Romito LM, Valente EM, Zangaglia R, Valzania F, Calabresi P, Bentivoglio AR, Piano C, and PARKNET Group. NPJ Parkinsons Dis. 2025; 11:296.
3. Detecting amyloid and tau pathology in Parkinson's disease, 4R-tauopathies and control subjects with plasma pTau217. Musso G, Fiorenza E, Misenti V, Cauzzo S, Biundo R, Fogliano C, Bonato G, Meissner WG, Campagnolo M, Carecchio M, Vianello F, **Guerra A**, Cosma C, Cagnin A, Cecchin D, Montagnana M, Antonini A. Front Neurol. 2025; 16:1638852.
4. Navigating the therapeutic landscape in advanced Parkinson's disease: a comprehensive review from infusion therapies to stem cells. Fogliano C, Rigon L, Chaudhuri KR, Popławska-Domaszewicz K, Falup-Pecurariu C, Murasan I, **Guerra A**, Garon M, Odin P, Hattori N, Antonini A. Expert Opin Drug Deliv. 2025; 22:1599-1616.
5. Long-Term Motor and Cognitive Outcome of Deep Brain Stimulation in Patients With Parkinson Disease With a GBA1 Pathogenic Variant. Avenali M, Artusi CA, Cilia R, Giannini G, Cuconato G, Albanese A, Golfrè Andreasi N, Antenucci P, Antonini A, Avanzino L, Baldelli L, Bentivoglio AR, Bove F, Bozzali M, Calandra-Bonaura G, Cani I, Carelli V, Cavallieri F, Cocco A, Cogiamanian F, Colucci F, Cortelli P, De Biase A, Di Biasio F, Di Fonzo A, D'Onofrio V, Eleopra R, Elia AE, Fioravanti V, Genovese D, **Guerra A**, Imarisio A, Ledda C, Liccari M, Longo C, Lopiano L, Malaguti MC, Malito R, Mameli F, Marino S, Minardi R, Mitrotti P, Monfrini E, Pacchetti C, Piano C, Rispoli V, Rizzone MG, Romito LM, Sambati L, Sensi M, Sorbera C, Spagnolo F, Tassorelli C, Valentino F, Valzania F, Zangaglia R, Zibetti M, Valente EM. Neurology. 2025; 105: e214036. doi: 10.1212/WNL.00000000000214036.
6. Keep boosting insight into the role of the primary motor cortex in Parkinson's disease

- pathophysiology. Bologna M and **Guerra A**. Clin Neurophysiol. 2025; 177: 2110934.
7. Optical Coherence Tomography Reveals Retinal Structural Abnormalities in α -Synucleinopathies: Insights from the Padua-CESNE Cohort. Campagnolo M, Puthenparampil M, Emmi A, Weis L, Basili E, Mauceri V, Miscioscia A, Carecchio M, **Guerra A**, Misenti V, Fogliano C, Gallo P, Antonini A. J Neural Transm. 2025; 132:1013-1022.
 8. The effects of gamma-tACS on cognitive impairment in multiple sclerosis: a randomized, double-blind, sham-controlled, pilot study. Ferrazzano G, Maccarrone D, **Guerra A**, Collura A, Satriano F, Fratino M, Ievolella F, Belvisi D, Amato MP, Centonze D, Altieri M, Conte A, Leodori G. Mult Scler. 2025; 31:728-739.
 9. Pathophysiological Role Of Primary Motor Cortex In Essential Tremor. Birreci D, Angelini L, Paparella G, Costa D, Cannavacciuolo A, Passaretti M, De Raggi M, Aloisio S, Colella D, **Guerra A**, Bologna M. Mov Disord. 2025; 40: 1648-1660.
 10. Effects of Cerebellar Transcranial Alternating Current Stimulation on Balance and Gait in Healthy Subjects. Sveva V*, **Guerra A***, Mangone M, Agostini F, Bernetti A, Berardelli A, Paoloni M, Bologna M. Clin Neurophysiol. 2025; S1388-2457(25)00453-5. doi: 10.1016/j.clinph.2025.03.033.
 11. Cortical Functional Connectivity Changes in the Body-First and Brain-First Subtypes of Parkinson's Disease. Conti M, D'Onofrio V, Bovenzi R, Ferrari V, Di Giuliano F, Cerroni R, Pierantozzi M, Schirinzi T, Mercuri NB, Antonini A, **Guerra A***, Stefani A*. Mov Disord. 2025; 40: 254-265.
 12. Genetic mutations in Parkinson's disease: screening of a selected population from North-Eastern Italy. Bonato G, Antonini A, Pistonesi F, Campagnolo M, **Guerra A**, Biundo R, Pilleri M, Bertolin C, Salviati L, Carecchio M. Neurol Sci. 2025; 46: 165-174.
 13. Role of non-invasive brain modulation techniques in identifying disease biomarkers for diagnostic and therapeutic purposes in parkinsonism. Birreci D, De Raggi M, Costa D, Angelini L, Cannavacciuolo A, Passaretti M, Paparella G, **Guerra A**, Bologna M. Brain Sci. 2024; 14:695.
 14. Clinical and kinematic characterization of parkinsonian soft signs in essential tremor. Angelini L, Paparella G, Cannavacciuolo A, Costa D, Birreci D, De Raggi M, Passaretti M, Colella D, **Guerra A**, Berardelli A, Bologna M. J Neural Transm. 2024; 131: 941-952.
 15. New Levodopa Infusion Systems for Advanced Parkinson's Disease. Antonini A, D'Onofrio V, **Guerra A**. touchREVIEWS in Neurology. 2024; 20: 23-26.
 16. Interhemispheric imbalance and bradykinesia features in Parkinson's disease. Paparella G, De Raggi M, Cannavacciuolo A, Costa D, Birreci D, Passaretti M, Angelini L, Colella D, **Guerra A**, Berardelli A, Bologna M. Brain Commun. 2024; 6:fcae020.
 17. Objective assessment of the effects of Opicapone in Parkinson's disease through kinematic analysis. Bologna M*, **Guerra A***, Colella D, Birreci D, Costa D, Cannavacciuolo A, Angelini L, Paparella G, Antonini A, Berardelli A, Fabbrini G. Neurol Sci. 2024; 45: 2035-2046.
 18. Theta-tACS modulates cerebellar-related motor functions and cerebellar-cortical connectivity. **Guerra A**, Paparella G, Passaretti M, Costa D, Birreci D, De Biase A, Colella D, Angelini L, Cannavacciuolo A, Berardelli A, Bologna M. Clin Neurophysiol. 2024; 158:159-169.
 19. Facial emotion expressivity in patients with Parkinson's and Alzheimer's disease. Cannavacciuolo A, Paparella G, Salzillo M, Canevelli M, Costa D, Birreci D, Angelini L, **Guerra A**, Ricciardi L, Brunc G, Berardelli A, Bologna M. J Neural Transm. 2024; 131:31-41.
 20. Deep Brain Stimulation of Globus Pallidus internus and Subthalamic Nucleus in Parkinson's Disease: a multicenter, retrospective study of efficacy and safety. Mainardi M, Ciprietti D, Pilleri M, Bonato G, Weis L, Ciacci V, Biundo R, Ferreri F, Piacentini M, Landi A, **Guerra A**, Antonini A. Neurol Sci. 2024; 45:177-185.
 21. Band-specific altered cortical connectivity in early Parkinson's disease and its clinical correlates. Conti M*, **Guerra A***, Pierantozzi M, Bovenzi R, D'Onofrio V, Simonetta C, Cerroni R, Liguori C, Placidi F, Mercuri NB, Schirinzi T, Stefani A. Mov Disord. 2023; 38:2197-2208.
 22. Correlating active and resting motor thresholds for transcranial magnetic stimulation through a matching model. Ma K, Hamada M, Di Lazzaro V, Hand B, **Guerra A**, Opie G, Goetz S. Brain Stimul. 2023; 16:1686-1688.
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NATIONAL/INTERNATIONAL CONFERENCES

2020 -	Scientific committee member of "Moviewebs - MOVement disorders In Exclusive Webinar Sessions": webinar series focused on innovative research aspects in movement disorders officially sponsored by the Italian Society of Parkinson's disease and movement disorders (LIMPE-DISMOV).
January 2026	Invited speaker for the lecture "Identification and use of the 'right' signal: from research to clinical practice" and chair of the session "Getting a Patient aDBS Ready" at the Originator to Innovator: Medtronic's Neuromodulation Forum; Barcelona, Spain.
October 2025	Chair of the poster session "Clinical neurophysiology" at the 55th Congress of the Italian Society of Neurology (SIN); Padova, Italy.
October 2025	Invited speaker for the lecture "Non-invasive brain stimulation in Parkinson's disease" at the teaching course "Non-invasive brain stimulation in movement disorders: physiological mechanisms and clinical applications" of the 55th Congress of the Italian Society of Neurology (SIN); Padova, Italy.
November 2024	Chair of the poster session "Clinical neurophysiology and basic neuroscience" at the 54th Congress of the Italian Society of Neurology (SIN); Rome, Italy.
April 2024	Chair of the oral communications session at the 10th Congress of the Italian Parkinson's Disease and Movement Disorders Society (LIMPE-DISMOV); Milano, Italy.
April 2024	Invited guest speaker for a Seminar on the topic "Using Transcranial Magnetic Stimulation to understand Parkinson's disease pathophysiology" at the University of California San Francisco, Department of Psychiatry and Behavioral Sciences, Translational Psychedelic Research Program.
April 2024	Invited guest speaker for a Seminar on the topic "Role of cortical oscillations in Parkinson's disease pathophysiology" at the University of California San Francisco, Weill Institute for Neurosciences, Department of Neurology and Neurological Surgery, Movement Disorders and Neuromodulation Division.
October 2023	Chair of the poster session "Clinical neurophysiology and basic neuroscience" at the 53rd Congress of the Italian Society of Neurology; Naples, Italy.
September 2023	Invited speaker for the symposium "Neuroplasticity in Parkinson's disease: from pathophysiology to therapeutic possibilities" at the 20th Congress of the Italian Society for Neuroscience (SINS); Turin, Italy.
May 2023	Invited speaker for the lecture "Non-invasive neuromodulation in movement disorders: state of the art

and future perspectives" at the 9th Congress of the Italian Parkinson's Disease and Movement Disorders Society (LIMPE-DISMOV); Padova, Italy.

- December 2022 Invited speaker for the lecture "Neuromodulation in Parkinson's disease" at the workshop "Non-invasive brain stimulation techniques in neurodegenerative diseases" of the 52nd Congress of the Italian Society of Neurology (SIN); Milano, Italy.
- November 2022 Invited speaker for the lecture "Dystonia and tremor" at the course "Clinical neurophysiology in hyperkinetic movement disorders" of the 8th Congress of the Italian Parkinson's Disease and Movement Disorders Society (LIMPE-DISMOV); Napoli, Italy.
- September 2022 Member of the local organizing committee of the 5th BraYn (Brainstorming research assembly for young neuroscientists) Conference 2022; Rome, Italy.
- May 2022 Invited speaker for the lecture "Parkinson's disease: TMS biomarkers" at the 66th Congress of the Italian Society of Clinical Neurophysiology (SINC); Palermo, Italy.
- September 2021 Invited speaker for symposium "Therapeutic Neuromodulation" at the 65th Congress of the Italian Society of Clinical Neurophysiology (SINC); Roma, Italy.
- November 2020 Invited speaker for the lecture "tACS-induced cortical oscillations and cortical plasticity" at the symposium "Spontaneous and induced cortical oscillations and TMS" of the 7th International Conference on Non-Invasive Brain Stimulation.
- December 2019 Invited speaker for the lecture "Neurophysiological techniques and perspectives in neurostimulation" at the Congress of the Italian Society of Neurological Rehabilitation; IRCCS Santa Lucia, Rome, Italy.
- May 2019 Chair of the poster session "Cortical stimulation" at the 64th Congress of the Italian Society of Clinical Neurophysiology (SINC); Rome, Italy.
- March 2019 Invited guest speaker for a Seminar on the topic "Combining transcranial alternating current stimulation with TMS" at the University of Bern, Switzerland.
- October 2018 Chair of the poster session "Clinical Neurophysiology" at the 49th Congress of the Italian Society of Neurology; Rome, Italy.
- June 2018 Invited speaker for the teaching course "Transcranial Alternating Current Stimulation: from pathophysiology to therapy" at the 63rd Congress of the Italian Society of Clinical Neurophysiology (SINC); Bari, Italy.
- May 2018 Chair of the poster session "Parkinson's Disease, clinical aspects" at the 4th Congress of the Italian Academy for the study of Parkinson's Disease and Movement Disorders (LIMPE-DISMOV); Rome, Italy.

Several contributions (oral communication or poster) presented at national and international congresses of Neurology, Movement Disorders and Clinical Neurophysiology in the last fifteen years.

Padova, 19/02/2026

