



Federica Provini

Date of birth: 14/01/1964 | **Place of birth:** Bologna, Italy | **Nationality:** Italian | **Sex:** Female |

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WORK EXPERIENCE

10/12/2024 - CURRENT Bologna, Italy

FULL PROFESSOR, DISCIPLINARY FIELD NEUROLOGY (06/MEDS-12) UNIVERSITY OF BOLOGNA

01/11/2024 - CURRENT Bologna, Italy

DIRECTOR OF THE COMPLEX NEUROLOGICAL UNIT "UO CLINICA NEUROLOGICA- NEUROMET METROPOLITAN NEUROLOGICAL NETWORK IRCCS ISTITUTO DELLE SCIENZE NEUROLOGICHE DI BOLOGNA

20/07/2020 - 09/12/2024 Bologna, Italy

ASSOCIATE PROFESSOR OF NEUROLOGY, DISCIPLINARY FIELD NEUROLOGY (MED/26) FACULTY OF MEDICINE AND SURGERY UNIVERSITY OF BOLOGNA

10/01/2005 - 19/07/2020 Bologna, Italy

CONFIRMED UNIVERSITY RESEARCHER, DISCIPLINARY FIELD NEUROLOGY (MED/26) FACULTY OF MEDICINE AND SURGERY UNIVERSITY OF BOLOGNA

10/01/1994 - 12/23/2004 Bologna, Italy

1999- 2004 GRANT HOLDER PROVIDED BY THE CONSORTIUM FOR THE MANAGEMENT OF THE NEUROLOGICAL CLINIC OF THE UNIVERSITY OF BOLOGNA "EFFECTS OF SNORING AND OBSTRUCTIVE APNEA ON ATTENTION, VIGILANCE AND THE CARDIOVASCULAR SYSTEM". NEUROLOGICAL CLINIC UNIVERSITY OF BOLOGNA

EDUCATION AND TRAINING

16/10/1989 Bologna, Italy

DEGREE IN MEDICINE AND SURGERY University of Bologna

13/07/1993

DIPLOMA OF SPECIALIST IN NEUROLOGY University of Bologna

11/03/2002

TITLE OF DOCTOR OF RESEARCH IN "NEUROLOGICAL SCIENCES" (13th CYCLE) University of Verona

LANGUAGE SKILLS

Mother tongue: **ITALIAN**

Other languages:

	COMPREHENSION		ORAL EXPRESSION		WRITING
	Listening	Reading	Oral Production	Oral interaction	
ENGLISH	B1	B2	B1	B1	C1

Levels: A1 and A2: Elementary level B1 and B2: Intermediate level C1 and C2: Advanced level

● ORGANIZATIONAL SKILLS

Organization, direction and coordination of national and international research groups

-2024: winner and coordinator of the project PNRR-MCNT2-2023-12377357 "Integrating sleep-wake oscillatory activities and liquid biopsy as innovative biomarkers for multimodal diagnosis in preclinical and prodromal Alzheimer's disease" Total amount funded: €999,300.

-2023: winner of the IRCCS Current Research Funding Announcement 2023-2024 and coordinator of the project "Impact of neurophysiological and neurobiological signature of sleep in the prognosis of neurodegenerative parkinsonian syndromes" Total amount funded: €120,000.

-2015 *PROPAG-AGEING*: The continuum between healthy aging and idiopathic Parkinson Disease within a propagation perspective of inflammation and damage: the search for new diagnostic, prognostic and therapeutic targets.

Coordinator: *Prof. Claudio Franceschi*; Co-coordinator: *Dr. Federica Provini*. Total amount funded: €5,993,376

-From 2011 to the present has obtained funds from IRCCS of Bologna, for the following research topics: 1) Clinical and polysomnographic characterization of sleep-related eating disorders; 2) Study on the frequency and clinical characterization of REM Sleep Behaviour Disorder (RBD) in Inflammatory Arthropathies; 3) Study of sleep-related behavioral manifestations (parasomnias and sleep-onset seizures).

-From 2005 to the present, he has obtained funds (ex-60%) from the University of Bologna, for the following research topics: 1) "Polysomnographic study of respiratory, motor and autonomic disorders in patients with multisystem atrophy"; 2) Movement disorders during sleep (restless legs syndrome, epilepsy with nocturnal frontal seizures, sleep-related feeding disorders); 3) Neurophysiological study of the process of falling asleep, normal and pathological.

2022-2024: coordinator of the Teaching Commission of the Italian Association of Sleep Medicine (AIMS)

-Since 2025, she has been coordinator of the Teaching Committee for Italian Association of Sleep Medicine (AIMS) course in Sleep Medicine.

-Since 2024, she has been a member of the SINsonnia Commissions of the Italian Society of Neurology

Participation and coordination of international research groups:

-Since 2022 she is member of the board of the World Sleep Society (WSS), representing Europe.

-Since 2021 she is member of the World Sleep Society International Sleep Medicine Guidelines Committee.

-Since 2019, she is Leader of Restless Legs Syndrome Group within Evidence Based Medicine Committee of the Movement Disorders Society.

-Since 2019, she has been a board member of the European Restless Legs Syndrome Study Group.

-Since 2019, she has been an active member of the International REM Sleep Behavior Disorder Study Group (IRBDSG), locally coordinating the integrated prospective longitudinal study of a cohort of 90 patients.

-From 2016 to 2023: Vice-Chair of the International Restless Legs Syndrome Study Group

-Since 2015, she is member of the Education Committee of the World Sleep Society (WSS).

Direction of editorial boards of journals:

-Editor, by invitation, of a Sleep Medicine supplement (Sleep Med 2011;12:S2) on movement disorders during sleep.

-Editor, by invitation, of a supplement to Sleep Science and Practice (2019) on sleep and epilepsy.

Participation in journal editorial boards:

-Since 2016: associate editor of Medlink Neurology

-From 2017 to 2023: academic editor of PLOS-ONE

-From 2020: academic editor of Frontiers Neurology

-From 2019: editorial board member Clinical Autonomic Research

-From 2020: editorial board member Sleep Sciences and Practice

● CONFERENCES AND SEMINARS

Participation as an invited speaker

Participation as an invited speaker at 144 congresses and conferences of national interest and 36 congresses and conferences of international interest

● PUBLICATIONS

Scientific production

She has authored or co-authored **307** articles published in scientific journals, **267** of which are in peer-reviewed journals; of these she is first name in 22 and last name or corresponding author in 61. She has also written 52 chapters in

books, including **43** published by international publishers (Saunders Elsevier Inc, Lippincott Williams & Wilkins and Cambridge University Press).

Bibliometric data:

Number of publications in indexed journals (Pubmed, June 2025): 267

H-index: 54 (Scopus). Total number of citations (Scopus): 10658

H-index: 47 (WOS). Total number of citations (WOS): 9601

ORCID: orcid.org/0000-0001-9063-2658

● PROJECTS

Participation in national and international research projects

Participation in national research projects:

-2023 MNESYS (A multiscale integrated approach to the study of the nervous system in health and disease) is an Extended Partnership for Neuroscience and Neuropharmacology thematic, conceived by the University of Genoa and funded by the Ministry of University and Research under the National Recovery and Resilience Plan (NRP). The goal of MNESYS is to develop new approaches for experimental and clinical neuroscience from a precision, personalized and predictive medicine perspective. Prof. Provini is involved as project researcher (critical mass IRCCS Istituto delle Scienze Neurologiche di Bologna) in spoke 4 "Perception and brain- body interaction."

-2023: SOMNIIA project, coordinated by the Italian Institute of Technology, winner of the "Research Day" call promoted by the Italian Space Agency (ASI), responsible for WP-8101 within the UNIBO unit coordinated by Prof. Matteo Cerri. Coordinator of the unit that will have to validate a new system of EEG acquisition during sleep under extreme conditions, such as missions in space.

-2021: Targeted research call, "Toward precision medicine in patients with parkinsonism: Ultrasensitive in-vivo detection of pathologic alpha-synuclein and tau seeds by the Real-Time Quaking-Induced Conversion assay in human tissues and biofluids," Project code RF-2021-12374386, PI Piero Parchi. Unit coordinator for diagnostic definition and recruitment of patients with Parkinsonian Syndromes.

-2011: "Excessive daytime sleepiness and road crashes: specific risk of transportation of waste and toxic substances of major environmental impact" Italian Ministry of the Environment, Land and Sea; scientific coordinator prof: Agostino Baruzzi; head local operating unit: Dr. Federica Provini. Total amount funded: 300,000 euros.

-2006: "Clinical, genetic and evolutionary characterization of epileptic phenomena in sleep and arousal disorders," (national coordinator Prof. P. Montagna). National PRIN MIUR 2006 project prot. 2006061871. Participated as teaching staff being part of the local OU.

-2004: "State-dependent (sleep-wake) changes blood pressure, heart rate and internal body temperature as a measure of allostatic load" application for former 60% funds; scientific responsible: prof. Pasquale Montagna.

Participation in international research projects:

o 2021: Research project ERAPERMED2021 "Behaviours in REM sleep: personalized Automatic 3D Video Analysis as novel tool to detect alpha-synucleinopathies" (acronym BRAVA) Collaboration with: Prof. Birgit Högl, Medical University of Innsbruck; Prof. Alex Iranzo, Sleep Disorders Centre, Neurology Service, Barcelona (Spain); Prof. Claudia Trenkwalder, Paracelsus-Elena Hospital, Kassel (Germany); Prof. Isabelle Arnulf, Sleep Disorder Unit Hôpital Pitié-Salpêtrière Paris (France) Local Unit Head: Prof. Federica Provini. Total amount funded: 1,176,160 euros.

● INSTITUTIONAL ACTIVITIES

CURRENT

Institutional Activities

In University:

-From 2022 to 2025, she has been a member of the University of Bologna's Institutional Instructional Group for the evaluation of post-lauream educational events (Master's and Higher Education Courses).

-From June 2021 to the present, she is a representative of the scientific-disciplinary field MED 26 (Neurology) in the Scientific Council of the Department of Biomedical and Neuromotor Sciences (DIBINEM), University Bologna, coordinated by Prof. Roberto Amici and, subsequently, in the Research Commission of the same Department, coordinated by Prof. Patrizia Fattori.

-From the academic year 2021/2022 to date, she is a member of the Internship Commission (coordinated by Prof. Davide Trerè) of the School Medicine University of Bologna.

-Since the 2020-2021 academic year, she is coordinator of the Undergraduate Course in Neurophysiopathology Techniques University of Bologna.

-From the academic year 2019/2020 to the academic year 2020/2021, she was a member of the faculty board of the PhD program in Health, Safety and Green Systems University of Bologna

-From 2018 to 2024, she was a member of the educational activities committee of the Department of Biomedical and Neuromotor Sciences (DIBINEM), University of Bologna coordinated by Prof. Giovanna Cenacchi.

-From the academic year 2013/2014 to the academic year 2016/ 2017, she was a member of the faculty board of the PhD program in Biomedical and Neuromotor Sciences University of Bologna
-From the academic year 2005/2006 to the academic year 2012/ 2013, she was a member of the faculty board of the PhD program in Sleep Medicine, University of Bologna

In IRCCS and other institutions:

-Since 2023, she has been a contact person for the planning of attendee training activities within the European Reference Network for rare or low prevalence complex diseases (ERN.RND) of the Institute of Neurological Sciences IRCCS in Bologna.

-Since 2020, she has been the contact person for the management of the Health meeting application of the AUSL of Bologna.

-October 2018 to present, she is a representative of the Institute of Neurological Sciences IRCCS, Bologna, in group to draft a paper on Gender Medicine for the plan on preclinical and clinical research in Gender Medicine of the Italian Ministry of Health.

-From November 2018 to 2020, she was a member of the Regional Coordination Group "Gender Medicine and Equity" of the Emilia-Romagna Region.

● **TEACHING ACTIVITIES**

CURRENT

Teaching activities

Frontal teaching activities:

Teaching in graduate courses

-Title of teaching "Parasomnias and movement disorders in sleep- Physiological sleep. Classification of sleep disorders and diagnostic procedures. Breathing disorders in sleep" of the Integrated Course in Sleep Medicine, Bachelor of University of Bologna from academic year 2012/2013 to present, 12 hours.

-Lecturer of the integrated course Diseases of the Nervous System Bachelor of University of Bologna from the academic year 2020/2021 to present, 8 hours.

-Lecturer of the integrated course Diseases of the Nervous System Bachelor of University of Bologna, Ravenna campus, from academic year 2023/2024 to present, 8 hours.

-Title of Neurology teaching in the Integrated Course in Neurogenetics and Bioethics, currently named Special Electrophysiological Investigations Neurorehabilitation and Ultrasonology, Bachelor of Science in Neurophysiopathology Techniques, University of Bologna; from academic year 2005/2006 to present 12 hours.

-Teaching Professor of Sleep Pathophysiology and Recording Techniques, Bachelor of Science Neurophysiopathology Techniques, University of Bologna; from academic year 2020/2021 to date 12 hours.

-Teaching Professor of Neurology in the Integrated Course in Neurology and Rehabilitation (currently named Neurological Diseases and Rehabilitation), Graduate Course in Podiatry, University of Bologna, from academic year 2005/2006 to present; 8 hours.

Teaching in Specialization Schools

-Teaching Professor of Neurology currently part of the integrated course Special Electrophysiological Investigations Neurorehabilitation and Ultrasonology, School of Specialization in Neurology, Department of Biomedical and Neuromotor Sciences, University of Bologna, from the academic year 2003/2004 to the present. 8 hours.

-Teaching Professor of Polysomnography II year, School of Specialization in Neurology, Department of Biomedical and Neuromotor Sciences, University of Bologna from the academic year 2020/2021 to present. 8 hours.

-Teacher of Neurological Semeiotics I year, School of Specialization in Neurology, Department Biomedical and Neuromotor Sciences, University of Bologna, from academic year 2020/2021 to academic year 2022-2023. 8 hours.

-Teaching Professor of Neurology 3rd year, School of Specialization in Neurosurgery, Department of Biomedical and Neuromotor Sciences, University of Bologna from the academic year 2020/2021 to present. 8 hours.

Teaching within the framework of Master's degrees

-Since 2013/2014 lecturer of the Master's program in Sleep Medicine, University of Bologna.

-Since 2021 lecturer of the Master's Degree in Sleep Medicine organized by the Universidad Europea and the Sleep Research Institute, Madrid, Spain (1.5 hours).

-From 2021/2022 member of the scientific committee and lecturer of the Master's Program in Mindfulness and Mindfulness Practices in Neuroscience and Health Settings, University of Bologna.

-From 2022/2023 lecturer of the Master's program in Sleep Dentistry, University of Bologna

-In 2023 online lectures on movement disorders as part of the World Sleep Academy of Sleep Medicine, a program coordinated by Prof. Lourdes DelRosso, University of California, San Francisco-Fresno, USA.

Supplementary teaching activities:

She has participated in the writing of 84 Theses, of which she has been the tutor in 73; she tutoring for students the Bachelor Medicine degree program, Neurology residents, PhD students, Master of Science in Sleep Medicine students, and students in the Bachelor of Science degree program in Neurophysiopathology Techniques.

● CARING ACTIVITIES

CURRENT

Cinical activities

-Since **1/11/2024**, she has been Director of the Complex Neurological Unit "UO Clinic Neurology- Neuromet Metropolitan Neurological Network (SC) within the IRCCS Institute of Neurological Sciences in Bologna.

-From **1993** to **2011**, she carried out clinical-assistance activities at the Department of General Neurology of Department of Neurological Sciences, University of Bologna, directed by Prof. Pasquale Montagna, first as a fellow and later as a university researcher.

-Since **2011** she has been afferent to the IRCCS, Institute of Neurological Sciences of Bologna, AUSL of Bologna, where he has been active in the Department of Neurology UOC Neurological Clinic NEUROMET, directed by Prof. Pietro Cortelli. In particular, in the UOC, acted as the referent of the Neurophysiopathology Service and: 1) collaborated with the Director of the UOC in the definition of the internal organization of the service in compliance with corporate guidelines and objectives; 2) collaborated with the Director of the UOC in ensuring the conditions for maximum transparency and accessibility to the performance/services; 3) collaborated in the identification of organizational improvements necessary for the achievement of the assigned objectives and for the existence of the specific requirements for accreditation; 4) collaborated in the definition of the needs for technical updating.-scientific of the professional components for the production of performance with a high degree of effectiveness and efficiency. She was also the UOC's contact person for research, and collaborated with the Director of the UOC in monitoring the research protocols that took place in the various articulations of the UOC, and contact person for teaching, as detailed in the UOC's organizational plan. In particular, she maintained the relationship between the University and the Operational Unit and collaborates in defining the educational pathway of the trainees.

-From 1994 to the present, she has been performing continuous clinical and nursing activities at the Center for the Study and Treatment of Sleep Disorders and at the Polysomnography Laboratory first of the Department of Neurological Sciences, now of the Department of Biomedical and Neuromotor Sciences at the University of Bologna and the IRCCS Institute of Neurological Sciences in Bologna, performing outpatient examinations of patients with all types of sleep disorders and following and reporting routine video-polysomnographic recordings and of patients included in various research protocols. In particular, she deals with movement and behavioral disorders during sleep, including of patients with neurodegenerative diseases and the study of circadian rhythms, integrating the recording of sleep-wake rhythms with the recording of vegetative parameters. For several years now, she has been effectively developing and organizing a new way of performing full nighttime video-polysomnography at the patient's home, obtaining even better results than video-polysomnography performed in the laboratory, especially with reference to the possibility of recording behavioral episodes during sleep during the periods of greatest expression of the disorder and habitual intensity. Finally, with the team of technicians and physicians that she coordinates, she has implemented a new outpatient procedure for the diagnosis and treatment of obstructive respiratory disorders in sleep, implementing development and remote control of the effectiveness of ventilatory treatment in sleep.

I authorize the processing of my personal data in the CV in accordance art. 13 d. lgs. 30 June 2003 n. 196 - "Code for the Protection of Personal Data" and art. 13 GDPR 679/16 - "European Regulation on the Protection of Personal Data".

Bologna, July 12th 2025

Federica Baroni