

Lorenzo PRIANO

Date of birth 21/10/1967

✉ lorenzo.priano@unito.it

WORK EXPERIENCE

- From 23/12/2022 to present: Associate Professor, Dpt. of Neurosciences (Dpt. of Excellence), University of Turin. Turin.
- From 2007 to 2022: Researcher, Dpt. of Neurosciences, University of Turin. Turin.
- From 2000 to present: neurologist and researcher at Division of Neurology and Neurorehabilitation, S.Giuseppe Hospital, IRCCS Istituto Auxologico Italiano, Piancavallo, VB, Italy.
- From 2010 to present: person in charge of the Laboratory of Clinical and Experimental Neurophysiology and Sleep Medicine Service for Neurological disorders at S.Giuseppe Hospital, IRCCS Istituto Auxologico Italiano, Piancavallo, VB, Italy.
- From 1999 to 2000: neurologist at Department of Neurology, S.Andrea Hospital, (VC), Italy.
- From 1998 to 1999: neurologist at Department of Neurology, Ivrea Hospital (TO), Italy.

Sector

- Neurology, Clinical Neurophysiology, Sleep Medicine.
- Development of devices for Telemedicine and Tele-rehabilitation for neurological disorders.

EDUCATION AND TRAINING

- 1997: specialization in Neurology, University of Torino.
- 1993: degree in Medicine at the University of Torino.
- 1993: internship at Department of Neurology, Uppsala University, Sweden.

Skills acquired

- Expert in Clinical Neurophysiology.
- Expert in Sleep Medicine from 2002, recognized by the Italian Society of Sleep Medicine (AIMS).

- Publications** He is author or co-author of 84 scientific papers published in national and international journals and books, regarding experimental and clinical neurophysiology, neuropharmacology, neurorehabilitation, computer analyses of neurophysiological signals and bioengineering applications in neurological diseases for Telemedicine.
H-index (Scopus) : 24
- Memberships** Member of the Italian Society of Clinical Neurophysiology and the Italian Society of Sleep Medicine
- Teaching activities** Teaching modules at Degree in Technician of Neurophysiopathology, Degree in Nursing Sciences, Degree in Dentistry and Dental Prosthodontics, Specialization School in Neurology, School of Medicine, regarding Computer analysis of bioelectrical signals, Clinical Neurology, Experimental and Clinical Neurophysiology, Sleep medicine
- Research activities** Clinical neurology: diagnosis and treatments of neurodegenerative diseases.
Sleep medicine: microstructure of sleep analysis, sleep modelling using advanced mathematical techniques (i.e. recurrence analysis).
Clinical and experimental neuropharmacology: pharmacokinetic studies regarding new formulations of drugs in microemulsions, solid lipid nanoparticles (SLN) and nanosponges, for the treatment of neurological disorders.
Clinical and experimental neurophysiology: computer analysis of bioelectric signals including in particular electromyography, electroencephalography in both humans and animals.
Automated analysis of limb movements and gait analysis using RGB-depth sensors and optoelectronic systems in healthy subjects and in neurological diseases, for diagnostic and neurorehabilitation purposes.
Development of devices for Telemedicine and Tele-rehabilitation for neurological disorders.

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