

Curriculum Vitae **Sabina Pappatà**

Current position since 2007: Senior Researcher at the Institute of Biostructure and Bioimaging (IBB), National Research Council (CNR), Naples

Research field: development/application of innovative methods of molecular (PET/SPECT) and structural (MRI-DWI) imaging for the study of biological processes involved in normal human brain and in neurodegenerative disorders.

Education

1988: Specialization in Diagnostic Radiology, Medical School of the University "La Sapienza" of Rome, Thesis, Honours.

1982: M.D. Degree, Medical School of the University of Rome "La Sapienza" of Rome, Doctoral thesis, Honours.

Research experience and previous positions

2001-2007: Researcher at IBB-CNR, Naples, Italy.

1990-2001: Researcher (CR1) at the INSERM (French National Institute of Health and Medical Research) 334 Unit and Cognitive Neuroimaging Unit U562, PET Center of Orsay, SHFJ-CEA, France.

1998: Visiting Professor, Department of Psychology University of Rome, Italy.

1985-1986: Fellowship Joliot Curie, PET center of Orsay, SHFJ-CEA, France.

1986-1989: Fellowship Fondation de France, PET center of Orsay, SHFJ-CEA, France.

Academic Positions and teaching activities

2014-2020: Habilitated through competitive examination for Italian full professorship in Diagnostic Imaging, Radiotherapy and Neuroradiology (section 06/I1).

2013-present: Faculty member of the Neuroscience PhD program, University of Naples "Federico II", Italy.

2012: Contract Professor of "Diagnostic Imaging" course, Faculty of Biotechnological Sciences, University of Naples "Federico II".

2006-2010: Contract Professor of Functional Neuroimaging course, Diagnostic Imaging and Radiotherapy Techniques Degree Course, Faculty of Medicine University of Naples "Federico II" (Benevento, Salerno and Napoli).

2013 to date: Educational representative person for the Neuroimaging Group Committee (NIC) of the European Society of Nuclear Medicine (EANM), member of the European The European School of Multimodality Imaging & Therapy (ESMIT)

2000-2017: supervisor and tutor of PhD thesis (PhD School of Biomorphologic and surgical sciences, University Federico II of Naples; Cognitive Neuroscience, Paris VI), PhD Examiner (Science Pharmachologiques et Biologiques, Paris V Descartes; Chimie-Biologie, Caen; Neuroscience Paris VI, France)

Clinical Positions and activities

2006- present: Consultant in Nuclear Medicine and in Neuroradiology at the Diagnostic Imaging and Radiotherapy Department of the University Hospital "Federico II" of Naples, Italy.

1985-1987: Residency training at the Department of Radiology, Orsay Hospital, France.

1982-1984: Residency training at the Department of Nuclear Medicine and Neuroradiology, University "La Sapienza" of Rome.

1980-1981: Training at the Department of Neurology, S. Filippo Hospital, Rome.

National and international grants (as principal investigator)

2019-2022: PON Research and Innovation 2014-2020 MIUR: IMPARA- IMAGING DALLE MOLECOLE ALLA PRECLINICA. PIR01_00023. (Scientific responsible of the realization objective OR 4).

2012-2018: EC-FP7 integrated large scale project: INMiND (Imaging of Neuroinflammation in Neurodegenerative Diseases), (FP7/2007-2013, N° HEALTH-F2-2011-278850 (PI of the Research Unit IBB-CNR, partner 15)

2011-2014: MERIT/MIUR (The Italian Ministry of Education, Universities and Research): Clinical, experimental, neuroimaging study of neurodegenerative diseases. N° RBNE08LN4P_008 (scientific leader of Research Unit, IBB-CNR).

2011-2014. BANDO 2009 RICERCA FINALIZZATA Italian Ministry of Health, RF-2009-1473696, CUP G35J11000390001. 18F-FDG-PET as a predictor of response to cognitive rehabilitation for mild cognitive impairment (scientific leader of Research Unit IBB-CNR).

2005-2010: EC-FP6-project, Network of excellence DIMI (Diagnostic Molecular Imaging), A Network of Excellence for Identification of new imaging markers for diagnostic purposes, LSHB-CT-2005-512146 (PI of the Research Unit IBB-CNR: partner 34).

1992-1994: Grant from Ministère de la Recherche et de l'Espace (MRE). "Etude TEP des effets de la stimulation optocinétique sur une exploration visuospatiale chez les sujets normaux et sur la négligence spatiale gauche secondaire aux accidents cérébro-vasculaires"; Grant N° 92.C.0425. (Project leader).

1991-1992 : Grant Mutuelle Générale de l'Education Nationale (MGEN). "Imagerie en tomographie par émission de positons des systèmes cholinergiques cérébraux au cours des processus neurodégénératifs

Editorial and reviewer Activities

Member of the Editorial Board of Journal of Neuroimaging since April 2015. Reviewer activity for Stroke, J Cerebral Blood Flow and Metabolism, J Neurology Neurosurg and Psychiatry, Human Brain Mapping, Neurology, J Neuroscience Methods, European Journal of Nuclear Medicine and Molecular Imaging, Annals of Neurology, PlosOne, Journal of Neuroimaging, Psychiatry Research, Neurobiology aging, Nuclear Medicine and Biology, Frontiers in Human Neuroscience, F1000 Faculty Reviews

Reviewer of grants (Wellcome Trust, Academy of Finland, Italian Ministry for Research, Agence Nationale de la Recherche (ANR)).

Scientific and Professional Societies activities

Actual Member of the Italian Society of Nuclear Medicine, the European Association of Nuclear Medicine (EANM) and of the Neuroimaging Committee (NIC), the European Society for Molecular Imaging (ESMI). Member of the American Society of Neuroscience (1993-1997) and of the Society of Cerebral Blood Flow and Metabolism (1987-1997). Member of the scientific committee of European Conference on clinical neuroimaging (ECCN) (2015-2018) and of the European Society for Molecular Imaging (2007-2011)

Other international research activities

2016-2017: Member of the working group "Framework for Innovative Multi-tracer molecular Brain Imaging (IMBI) to enable multi-centre trials and image evaluation in (early) neurodegenerative diseases" del EU Joint Programme-Neurodegenerative Disease Research (JPND)

2002-2008: Scientific Consultant at Commissariat à l'Energie Atomique (CEA), Service Hospitalier Frédéric Joliot (SHFJ), PET/MRI center, Orsay, France.

2004: CNR Short-term Mobility program ("Imaging in vivo of striatal endogenous dopamine release during cognitive activations using PET /11C-Raclopride") at the INSERM Unit U562, SHFJ, CEA, France

H-index: WoS: **40**, Google Scholar: **45**

Author or co-author of 158 scientific articles and book chapters, 143 published on peer reviewed international journals, including invited review and editorial comments, mainly related to neuroimaging. Invited speaker at several international and national conferences, congress, plenary lectures, key notes