



# Silvia Daniela Morbelli

Associate professor

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## *Education and training*

2001

### **Degree in Medicine and Surgery**

110/110 e lode

University of Genoa - Genova - IT

2005

### **Specialization in Nuclear Medicine**

50/50 with honors

University of Genoa - Genova - IT

2012

### **Ph.D in Applied Neurosciences**

University of Genoa - Genova - IT

## *Academic experience*

2017 - ONGOING

### **Associate Professor**

University of Genoa - Genoa - IT

## *Language skills*

### **English**

Proficient

TOEFL (test of

english as a

foreign language)

### **French**

Proficient

## *Research interests*

**Main clinical and Research activities.** Neuroimaging in neurodegenerative disorders: dementia and parkinsonian syndromes. Brain perfusion and DAT SPECT, FDG-PET, amyloid PET, 18F-DOPA. Use of biomarkers to support early diagnosis and for the prognostic stratification of neurodegenerative dementia. Cognitive Reserve in Neurodegenerative Dementia. Clinical experience in Whole body PET and Radiometabolic Therapy.

From January to July 2004 **Honorary Clinical Fellow of the Stroke Research Group, University of Cambridge** group led by Prof. JC Baron.

Referent Nuclear Medicine physician of the **Disease Management Team** on Cognitive Disorders and Dementia (CDCD) at the Polyclinic San Martino Hospital, Genoa, from 2019-to date.

**Associate Professor of Nuclear Medicine** at the Department of Health Sciences, University of Genoa from November 1, 2017-to date.  
She passed the Ministry of Scientific research evaluation to be **Full professor** in Italy in November **2020 (SSD MD36)**.

**Foreign PhD Thesis discussant**:, Debora Peretti, University of Groningen (NL).

#### Memberships

- Italian Association of Nuclear Medicine (AIMN) 2004-to date
- European Association of Nuclear Medicine (EANM) 2008-to date
- Professional Interest Area (PIA) dell'Alzheimer Association: 1. Reserve, Resilience and Protective Risk Factors (Chair Prof Yakov Stern) 2. Neuroimaging (Chair Prof David Wolk) 2016-to date; 3. LBD

#### Boards

- Member of the **Steering Committee of Neurology study Group** of the Italian Association of Nuclear Medicine: 2013-2017
- Member of the **EANM Neuroimaging Committee**: 2015-to date
- Chair** of the **Neuroimaging Committee of The European Association of Nuclear Medicine (EANM)**: 2020-to date
- Task Leader of the Molecular Imaging Hub of the **European Consortium for Dementia with Lewy Bodies (E-DLB)**: 2016-to date
- Member of the **Imaging Task force** of the Federazione Italiana Linfomi (FIL) and Task leader for Radioimmunotherapy: 2015-to date
- Member of the **Steering Committee of Oncology study Group** of the Italian Association of Nuclear Medicine: 2017-to date
- Leader** from 2018 of the joint Task Force of the European Association of Nuclear Medicine (EANM) and of the Society of Nuclear Medicine and Molecular Imaging (SNMMI, USA) for preparation of **Procedural Guidelines on Dopaminergic Imaging in Parkinsonian Syndromes**. Guidelines Published in May 2020.
- Co-Task Leader** for Nuclear Medicine procedures of the Virtual Institute for Parkinsons Disease in the framework of the Italian Network of Neurosciences (RIN): 2020-to date.

#### Editorial Board

1. European Journal of Nuclear Medicine and Molecular Imaging 2. American Journal of Nuclear Medicine and Molecular Imaging 3. Clinical and Translational Imaging. 4. Diagnostic 5. The World Journal of Radiology and 6. Annals of Gerontology and Geriatric Research 7. Journal of Cancer Science and Current Research

More than **80 Invited Talks** to international and national meetings.

**Main invited International talks (2015-2020)**

- Cognitive reserve in prodromal AD: evidence and implications for brain PET imaging, 4th European Conference on Clinical Neuroimaging, Rome 2015
- Relevance of Brain Reserve for Clinical Nuclear Neurology, Annual Congress of the European Association of Nuclear Medicine (EANM 2015), Hamburg 2015
- “Instructor” at the Neuroimaging Course of the European School of Nuclear Medicine (ESNM) on “Movement Disorders” and “PET reading and Pitfalls” Vienna 2016
- Metabolic Networks Underlying Dementia with Lewy Body, Joint symposium organized by EANM and European DLB Consortium, Annual Congress of the European Association of Nuclear Medicine (EANM 2016), Barcelona 2016.
- New perspectives for functional imaging in DLB, during 6th European Conference on Clinical Neuroimaging, Rome 2017
- Nuclear Medicine Imaging in Encephalitis A Missed Clinical Opportunity!, Annual Meeting dell Society of Nuclear Medicine and Molecular Imaging' Denver, Colorado, 2017
- Pitfalls and Artefacts in Visual vs. Quantitative Reading: Brain 18F-FDG Annual Congress of the European Association of Nuclear Medicine (EANM 2017), Vienna, 2017
- Role of Brain 18F-FDG-PET in the Syndrome-Based Diagnostic Approach to Autoimmune Encephalitis, Annual Congress of the European Association of Nuclear Medicine (EANM 2017), Vienna, 2017
- Brain metabolic networks underlying cognitive reserve” durante in il convegno “1st international conference on cognitive reserve in the dementias”, Munich, 2017
- Neuroimaging diagnostic workup in parkinsonian syndromes: always DAT SPECT first?”, a2th World Congress on Controversies in Neurology, Warsaw, Poland, 2018
- FDG PET and Amyloid PET: antagonists or allies?, Annual National Congress of the Italian association of Psychogeriatrics, Florence, 2018.
- Tracers for Tau Imaging and Neuroinflammation during the course on Theranostics organized by the Italian Association of Nuclear Medicine, Bergamo 2018.
- Reading a Clinical FDG PET of the Brain with Cases” Annual Congress of the European Association of Nuclear Medicine (EANM 2018) Dusseldorf 2018
- Equivocal and Borderline Amyloid PET Scans: Pitfalls and Challenges of Visual Analysis”, Annual Congress of the European Association of Nuclear Medicine (EANM 2018) Dusseldorf 2018
- Consensus on Molecular Imaging for Differential Diagnosis of Dementia” during the “International conference on „Molecular Imaging of Dementia - The Future is Here“ 2019, Cannes

- Reserve, Resilience and Protective Factors in AD - Contribution of Molecular Imaging'  
Annual Congress of the European Association of Nuclear Medicine (EANM 2019) Barcelona, Spain.
- Clinical Utility of FDG-PET in Parkinson's Disease and Atypical Parkinsonism Associated with Dementia' Annual Congress of the European Association of Nuclear Medicine (EANM 2019) Barcelona, Spain.
- “Covid19 and the Brain” Virtual Event Organized by the Italian Association of Nuclear Medicine in 2020.