



Ludovico Miccoli

MD · Resident in Neurology

"G. d'Annunzio" University of Chieti-Pescara · SS. Annunziata Hospital, Chieti

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PROFILE

Resident in Neurology carrying out translational research at the Molecular Neurology Unit (MNU) of the Center for Advanced Studies and Technology (CAST), and taking part in clinical trials in neurodegenerative diseases as sub-investigator and clinical rater.

RESEARCH INTERESTS

- Human microglial stem cells
- Metal-induced neurodegeneration in the central nervous system
- Movement disorders, with a particular focus on the non-motor manifestations of Parkinson's disease
- Molecular modelling and in silico studies (YASARA)
- Amyloid PET tracers and Alzheimer's disease
- Clinical research in neurodegenerative diseases

RESEARCH EXPERIENCE

Molecular Neurology Unit (MNU)

Nov 2024 – present

Center for Advanced Studies and Technology (CAST), "G. d'Annunzio" University, Chieti

Laboratory research on human microglial stem cells, metal-induced neurodegeneration in the central nervous system and molecular modelling with YASARA.

Thesis internship – Molecular Neurology Unit (MNU)

Jun 2023 – Jul 2024

Center for Advanced Studies and Technology (CAST), "G. d'Annunzio" University, Chieti

In silico studies of ligand-protein complex stability using molecular modelling software (YASARA), focusing on the binding specificity of amyloid PET tracers in Alzheimer's disease.

CLINICAL RESEARCH

Sub-investigator and clinical rater – Alzheimer's disease research protocols

"G. d'Annunzio" University, Chieti

Sub-investigator in clinical trials

Sep 2025 – present

"G. d'Annunzio" University, Chieti

Sub-investigator in clinical trials with a primary focus on advanced-stage Parkinson's disease and motor complications.

Good Clinical Practice (GCP3) certification

Sep 2025

Last updated: 20 September 2025

EDUCATION AND QUALIFICATIONS

Resident in Neurology

Nov 2024 – present

"G. d'Annunzio" University, SS. Annunziata Hospital, Chieti

MD, Degree in Medicine and Surgery – graduated with honours (110/110 cum laude)

Oct 2018 – Jul 2024

"G. d'Annunzio" University, Chieti

Scientific High School Diploma

Sep 2014 – Jul 2018

Liceo Scientifico "A. Volta", Francavilla al Mare, Italy

SKILLS

Preclinical research molecular modelling and in silico studies with YASARA; ligand-protein complex stability

Clinical research sub-investigator and clinical rater; Good Clinical Practice (GCP3)

LANGUAGES

Italian native · English: C1 · French: A2