

EADC Resident and Research Fellow Section (RRFS)

Exchange through internship programmes — Genova, 2027

Name and location of EADC hosting centre

Memory and Cognitive Disorders Center, Genova, Italy

Principal investigators and contact

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Description of the centre

The Memory and Cognitive Disorders Center in Genova brings together the University of Genova, IRCCS Policlinico San Martino, and the Genoa Section of the National Institute for Nuclear Physics (INFN).

Its research integrates quantitative multimodal imaging—including multi-tracer molecular imaging, electrophysiological imaging, and multiparametric quantitative MRI—with fluid biomarkers of core Alzheimer's disease pathology, neuroinflammation, and synaptic loss. The aim is to better characterise the pathological and clinical heterogeneity of Alzheimer's disease and related disorders.

The centre is a tertiary clinical referral service for the Province of Genova and brings together clinical and pre-clinical expertise in medicine, biology, neuropsychology, physics, mathematics, and statistics.

Proposed internship programme

The programme will be tailored to the fellow's clinical and research background, while combining clinical observation and research training. A local supervisor will be appointed, and an individual learning plan will be agreed before the visit.

Clinical activities may include observation in the memory clinics and participation in the interpretation of molecular-imaging examinations and fluid biomarkers. Research activities will be agreed with the local mentor and may include a supervised data-analysis project integrating multimodal imaging and fluid-marker data. Where feasible, the project will be designed to produce a defined output during the visit and may lead to follow-up online meetings and a collaborative scientific publication.

Duration

The proposed internship duration is **2–4 weeks**, in accordance with the 2027 EADC RRFS call.