



Milan, June 9th 2025

Postdoc position

at National Institute of Molecular Genetics (INGM) and University of Milan, Milan (Italy)

Another Postdoc position is available in the recently established research group led by Manuel Albanese at INGM. We are looking for a candidate with experience in cancer biology, virology and/or extracellular vesicles (EVs) biology to join our group.

Visit our website to know more about us:

The aim of our lab is to develop new therapeutic strategies based on engineered EVs for personalized therapy against viruses and cancer. Our research is supported by the "my first AIRC Grant" and the FIS Grant (Fondo Italiano per la scienza). For more info about the group and the project see here: <https://ingm.org/en/albanese-lab-eng/> or visit our website <https://albaneselab.unimi.it/>.

Starting date: From October 2025 (flexible).

Duration and salary: 2-year Full time Contract (36.000€) renewable for up to 3 years.

Requested diploma: PhD in biotechnology, cancer biology, virology or related field.

Languages: Good proficiency in English speaking and writing skills is mandatory.

Required Qualifications and Experience

The ideal candidate should be proficient in different wet-laboratory techniques including molecular biology (e.g. cloning, RNA and DNA extraction, PCR), cellular culture (e.g. culture of cell lines and primary cells from blood, cell transfection, and transduction, flow cytometry), and biochemistry (mainly immunoblotting and confocal microscopy). Previous work with extracellular vesicles or viral vectors is a plus.

Experience in master student supervision.

Motivation to collaborate with other researchers of the institute and with international research groups, since the group has collaborators abroad.

Excellent communication skills and team spirit are essential, with a problem-solving attitude. Ability to manage competing priorities and work independently.

The successful candidates will work on a variety of projects focused on cutting-edge gene-editing technologies implemented with the development of smart extracellular vesicles-based delivery systems, aiming to advance gene therapies against cancer and viral infections.

Should the candidate choose to pursue an academic career, they will receive comprehensive support and assistance in applying for additional national and international fellowship programs, such as the Marie Skłodowska-Curie, EMBO, and AIRC programs.



Key tasks:

- Conduct and implement a research project focused on gene editing approaches based on extracellular vesicles and viral like particles
- Generate reliable data for publication and publish reproducible research papers
- Supervise master's and PhD students
- Present share and discuss research results within the group, with collaborators and in scientific conferences
- Proactive interactions with collaborators, especially with INGM viral unit and our national and international collaborators

Environment:

We are a group of the Department of Clinical Sciences and Community Health at the University of Milan and our laboratories are located at the National Institute of Molecular Genetics (INGM). INGM is in the center of Milan (Italy) and is a high-tech research institute with more than 15 research groups and state-of-the-art laboratories and facilities.

To know more see here (<https://ingm.org/en/>).

Want to apply?

Please send to albanese@ingm.org:

- Curriculum Vitae with a list of publications
- Cover letter describing your interest and motivation in joining our lab
- Contact information of two references