

Post-doc position in Immunology and Epigenetics of Cancer IRCCS FPO Candiolo

The **Armenise-Harvard laboratory of Immunity and Cancer, at the IRCCS FPO Candiolo** and the Italian Institute for Genomic Medicine (IIGM) in Turin (Italy) is seeking for a highly motivated Postdoc in Immunology and Epigenetics.

Research: The lab addresses fundamental aspects of immune responses, related to **memory T cell differentiation and long-term protective immunity**. This research aims to understand how T lymphocytes integrate complex environmental stimuli and translate these signals into specific **epigenetic and differentiation programs**, which specify T cell fate commitment and function. The research's goal is to use this knowledge to develop novel strategies for the prevention and treatment of cancer, in **cancer immunotherapy and vaccine development**.

To achieve these goals, we combine a variety of approaches, genetic and genomic techniques, including high throughput cell-based assays, multiparametric flowcytometry, single cell multi-omics and epigenetics tools, in the context of human cancer biology.

Qualifications and requirements:

- Strong background and experience in immunology, molecular biology, or epigenetics
- First-authored publications in peer-reviewed journals are preferred
- Good communication skills and self-motivation
- Proficiency in English
- Communication skills and team work attitude are important requirement.

The main goal of **FPO IRCCS Candiolo (<https://www.irccs.com/en>)** and IIGM is to foster and develop **excellence in research and education**, with special reference to cancer genomic variability and immunology. The institute provides high-level scientific education for students and post-doctoral fellows, and access to state-of-the-art research facilities and international networks.

To apply for this position please submit a cover letter (in English) describing research experience, interests, motivation, CV and contact information of two references to:

direzione.scientifica@ircc.it

Review of applications will begin immediately, till position is filled.

References: D'Alise A.M., Science Trans. Med, 2022; Brasu N. Nature Immunology, 2022; Montacchiesi G, Immunol Rev, 2022; Pace L., Curr. Opin. Imm. 2020; Pace L, Science 2018; Pace L, Science 2012.