



Dipartimento  
Oncologia



POSTDOCTORAL POSITION in Molecular Oncology  
University of Torino, ITALY

**TARGET:** Targeting DNA repair pathways, sparking anti-cancer immunity

An ERC-funded postdoctoral position is available in the Laboratory of Prof. [Bardelli](#) at the Dep. of Oncology, University of Turin (<https://www.dep-oncology.unito.it/do/docenti.pl/Show?id=albardel#tab-profilo>), in an international and team-based working environment with strong ties with the [IFOM Institute](#) in Milan (<https://www.ifom.eu/it/ricerca-cancro/ricercatori/alberto-bardelli.php>).

We are a dynamic and multidisciplinary group encompassing biologists, biotechnologists, physicians, bioinformaticians, engineers, physicists, with extensive national and international collaborations.

#### Project information

Our research aims at testing for the first time the hypothesis that therapeutic inactivation of DNA repair pathways in cancer cells can be exploited for patient benefit by reawakening an anti-tumor immune response. Using in vitro and in vivo functional assays we will systematically assess whether and how inactivation of DNA repair genes provokes an immune response and restricts cancer growth.

The identification of DNA repair pathways which, when disabled, reawaken the immune system will provide transformative knowledge and could lead to the development of an entirely new class of anticancer drugs.

#### Job requirements

We are seeking for a highly motivated postdoc with a strong background in cancer biology and/or immunology, and an interest in fundamental and translational cancer research.

Proficiency in English, communication skills and team work attitude are important requirements.

Applicants would likely have:

- a PhD in genetics, biology, pharmacology or in a related field of the life sciences.
- Skills in cell culturing and molecular biology.
- Previous experience in animal manipulation is a plus.
- Prior experience in the field of DNA repair is preferable.

Applications should be submitted to [simona.destefanis@unito.it](mailto:simona.destefanis@unito.it) and should include a CV with a list of publications, a research statement, a cover letter and contact information for at least two references (name, address, email and phone number).