

## PostDoctoral position, Mechanisms of Peripheral Tolerance Unit, SR-TIGET -Milan

A **postdoctoral position** is available in the laboratory of Mechanisms of Peripheral Tolerance <https://research.hsr.it/en/institutes/san-raffaele-telethon-institute-for-gene-therapy/mechanisms-of-peripheral-tolerance.html> led by Dr. S. Gregori at the San Raffaele Telethon Institute for Gene Therapy (SR-TIGET), Milan, Italy.

**The Institute.** SR-Tiget was created in 1996 as a joint-venture between Fondazione Telethon and Ospedale San Raffaele (OSR), with the mission to perform cutting edge research on gene and cell therapy and to translate its results into therapeutic advances for genetic diseases. The Institute is located within the OSR campus, which includes a large multi-disciplinary research hospital, a biomedical research center, a university and hosts several biotechnologies companies. Over the years, SR-Tiget has given a pioneering contribution to the gene and cell therapy field with relevant discoveries in vector design, gene transfer and gene editing strategies, stem cell biology, and mechanism of action of regulatory cells in T-cell mediated diseases and innate immune cells in cancer. SR-Tiget has also established the resources and framework for translating these advances into novel therapies and has implemented several successful gene therapy clinical trials, which have already treated >120 patients and led to the filing and approval of 2 novel advanced therapy medicines.

**THE POSITION.** We are looking for a highly motivated and skilled researcher to work on a project entitled: *“Personalized antigen-specific immunotherapy to halt autoimmunity in pre-symptomatic and symptomatic Type 1 Diabetic subjects”* Grant Key: 3-SRA-2021-1007-S-B, funded by JDRF.

A **postdoctoral position** is available to work on a translational project foreseeing the use of state-of-the-art genetic approaches, immunological assays, and newly developed *in vivo* models. The project aims at investigating the *in vitro* modulatory activities of lentiviral vector-engineered dendritic cells (DC) from type 1 diabetes patients and to develop a novel HuMice model to study the regulatory activity of engineered DC *in vivo*.

### REQUIRED QUALIFICATION AND SKILLS

- **Required Education level:** Master Degree in Biomedicine, Biotechnology or similar/equivalent and PhD in Cellular or Molecular Biology or Immunology
  - **Experience required:**
    - Background in cell immunology
    - Proven strong laboratory skills
    - Research planning and organization skills
    - Experience in animal work
    - A track record of published papers in immunology
- Additional skills will be also considered such as**
- Good knowledge in the field of Immune Tolerance
  - Experience in human immune cell research
  - Required language: good communication skills in English

### We offer

- Competitive salary depending on qualification and experience
- To assist the Principal Investigator with the supervision of new master and/or PhD students.
- A dynamic and stimulating environment fostering scientific growth
- The chance to give important contribution to the development of innovative tolerogenic cell products for the future of personalized therapies
- A number of facilities supporting research work

**Presentation of applications:** Please send by email your application, including synopsis of research interests (or motivation letter), curriculum vitae and contacts for reference, to Silvia Gregori.

**Referent:** Silvia Gregori

**Location:** Mechanisms of Peripheral Tolerance Unit, San Raffaele Telethon Institute For Gene Therapy (SR-TIGET), Milan, Italy

**Starting Date:** May/June 2022

**Contact email:** gregori.silvia@hsr.it