



UNIVERSITÀ
DI TRENTO



Dipartimento di
Biologia Cellulare, Computazionale e Integrata

PhD position in muscle stem cell biology at the University of Trento

The project

We offer a 3-year, PNRR/NRRP fully-funded PhD position focusing on the interactions between inflammatory cells and muscle stem cells during pathological regeneration. The successful candidate will elucidate the molecular mechanisms at the base of the aberrant interaction between monocytes and muscle stem cells in aging and dystrophic muscle with the ultimate goal of restoring tissue functionality.

The project will be developed in the Dulbecco Telethon Laboratory of Stem Cells and Regenerative Medicine (<https://www.cibio.unitn.it/220/dulbecco-telethon-laboratory-of-stem-cells-and-regenerative-medicine>), which has extensive experience on the characterization of stem cell dynamics in animal models of muscle disorders. The project will involve a period abroad in a collaborating laboratory.

Department Overview

The Department of Computational and Integrative Biology (CIBIO), founded in 2007, is a cutting-edge and top-ranked academic biomedicine institute within the University of Trento in Northern Italy, organized as a hybrid research center/university department. CIBIO has recently grown to 46 Research Laboratories headed by successful, independent, and international Principal Investigators and supported by a high level of research services through Core Facilities operated by highly skilled staff scientists.

Qualifications/Requirements

We seek enthusiastic and highly motivated candidates interested in stem cell biology and regenerative medicine and keen on working with murine models.

Applicants should hold a degree in life science, and previous experience with cell culture, molecular biology/microscopy is highly desirable. Knowledge in flow cytometry, animal handling, and muscle biology is preferred but optional.

Applications

Interested candidates should submit their application by July 12th 2023 where “Participation to NRRP selection” is indicated at the following web site: <https://webapps.unitn.it/Apply/en/Web/Home/dott>

Details on the application requirements, package and project (*Tematica 1-Scienze Biomolecolari*) are available at: <https://www.unitn.it/ateneo/110055/pnrr-dm118-2023>.

Informal inquiries are encouraged and can be directed to stefano.biressi@unitn.it (Prof. Stefano Biressi).