

# Research Technician Position – KRENN lab

available in the  
Human Technopole Early Career Laboratory of Developmental Neuroimmunobiology  
Dept. Biotechnology & Bioscience (BtBs), University of Milan-Bicocca, Milan, Italy

We are an enthusiastic small research group focusing on the mechanisms of neuroimmune function in human brain development and neurodevelopmental disease. Using differentiating cultures of human pluripotent stem cells into neural cells and organoids, our laboratory applies gene editing, microscopy, RNA sequencing and biochemical approaches to gain insights into neuroimmunological processes *in vitro* (for more information see: Krenn et al. 2021, PMID: 33838105; Bajaj et al. 2021, PMID: 34661293; or visit [www.krennlab.com](http://www.krennlab.com)).

We are looking for a research technician who will join our team starting from February 2023 and will operate under the direct supervision of Dr. Veronica Krenn. The position will be funded by the 5-years Human Technopole Early Career Program awarded to Dr. Krenn. We offer solid training in stem cells, organoids, genome engineering methods and a dynamic working environment with collaborative interactions with the Neurogenomics Centre of Human Technopole.

Key responsibilities:

- Conducting cell culture experiments using human pluripotent stem cell lines and organoids
- Providing support for lab research projects focusing on the molecular characterization of organoid-based models of neurodevelopmental diseases
- Optimizing and standardizing protocols for molecular biology (DNA and RNA manipulation, RT-PCR, cloning, genome editing) and biochemistry (immunoblotting and immunoprecipitation techniques)
- Providing support in general lab management and organization (e.g., managing inventories, equipment and ordering materials)
- Providing technical support and supervision to other laboratory members, including introduction to new laboratory techniques and equipment
- Generating and recording data for publication in the projects to which s/he is assigned

Requirements for candidates:

- Master degree in life sciences and/or related disciplines
- Experience in cell culture and basic molecular biology techniques and broad technical understanding of the areas of main responsibilities
- Previous work with models of experimental neurobiology, cell culture (preferably with human pluripotent stem cell lines and brain organoids and microglia cultures) will be considered a relevant asset
- Experience in the general lab management and organization as well as in the optimizations of tools and protocols will be a plus
- Ability to manage competing priorities in a fast-paced environment and to work independently
- Excellent management and organizational skills
- Excellent communication, interpersonal and teamworking skills
- Fluency in English, both written and spoken

If interested, send your CV, the names and contact details of two referees, and a letter of motivation describing the reason of your interest in this position and past research experiences (in English) to [veronica.krenn@unimib.it](mailto:veronica.krenn@unimib.it) by **November 24th, 2022**. Strong candidates will be encouraged to participate in the relevant soon-to-be-available public call for this position.