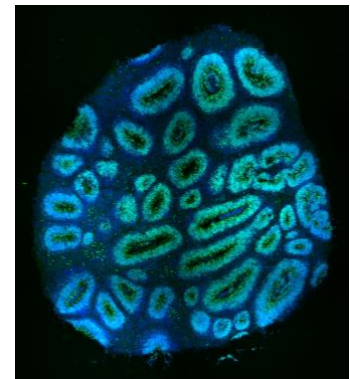


## Master Project available for 2024/2025

The independent research group “Developmental Neuroimmunobiology” headed by Dr. Veronica Krenn is a young and ambitious team that combines stem cells, human brain organoids, genetic tools and genomic approaches to gain a molecular comprehension of the processes underlying human brain development and their alterations in disease. For further reading please check out our website (<https://www.krennlab.com/>) and previous work (Krenn et al. 2021, Cell Stem Cell; Bajaj et al. 2021, EMBO Journal).



The group is looking for a master student that will help on a project centered on the characterization of a new differentiation paradigm of human stem cells into microglia. The project is embedded in the “Human Neuroimmunobiology” project framework supported by the Human Technopole Early Career Fellowship program. In particular, the objective of the master project is the evaluation of the degree of functionality of microglia cells obtained with this approach, including evaluation of phagocytic activity and modulatory activity of cytokine signaling pathways. The student will be able to learn to carry out assays to evaluate phagocytosis, cytokine production, and gene expression in response to immunogenic stimuli. The student will be able to learn these techniques from lab members as well as from a wide collaborative network.

The working language is English and we welcome international applicants. Expected duration of the project is 10/12 months starting **March/April 2024**. Research activities will be located at the Department of Biotechnology and Biosciences, Piazza della Scienza 2, University of Milano-Bicocca, Milano (Italy).

To apply, please send your CV and a motivation letter describing your research interest and experience (as single PDF document) to [veronica.krenn@unimib.it](mailto:veronica.krenn@unimib.it).

**Application deadline: 28<sup>th</sup> February 2024**

### Veronica Krenn PhD

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