Junior fellow in Neuroscience
Humanitas Research Institute, Milan, Italy

The Pharmacology and Brain Pathology lab directed by Professor Michela Matteoli aims at understanding the molecular mechanisms at the basis of synapse dysfunctions in neurodegenerative and psychiatric diseases and at defining how glia-neuron interaction and inflammation affect these processes, in order to identify new targets suitable for therapeutic intervention.

In this framework, the unit led by Dr. Elisabetta Menna is now opening a position for a junior scientist at the postbac (post "laurea") level to study the consequences of prenatal inflammation on the brain development of the progeny. The project will exploit a cohort of subjects for genetic and molecular analysis and will investigate the biological mechanisms underlying using in vitro and in vivo models, with a focus on the so far poorly understood role of astrocytes.

The project implies the use of a wide range of techniques that span from cell and molecular biology to mice behavioral testing.

The position is available immediately with the possibility to enter in the institutional 3-year PhD program next fall 2023.

Job requirements

- Degree in biology, biotechnology, medicine or related disciplines;
- In vivo working experience (mice colony management, treatments, behavioural tests);
- Experience to work with cellular cultures and molecular assays will be an advantage.

We are looking for a highly motivated, enthusiastic and proactive person, with an excellent ability to work in team.

Interested candidates should send a CV, a brief statement of interest and contact information of two referees to Dr. Elisabetta Menna (e.menna@in.cnr.it) and Dr. Giuliana Fossati (giuliana.fossati@humanitasresearch.it).

Selected references

- Fossati, G., Matteoli, M., Menna, E. (2020) Astrocytic Factors Controlling Synaptogenesis: A Team Play. Cells

- Fossati, G., Pozzi, D., Canzi, A., Mirabella, F., Valentino, S., Morini, R., Ghirardini, E., Filipello, F., Moretti, M., Gotti, C., et al. (2019). Pentraxin 3 regulates synaptic function by inducing AMPA receptor clustering via ECM remodeling and β1-integrin. EMBO J.