



A post-doctoral position is available in the laboratory of Human Cellular and Molecular Neuropharmacology led by Dr. Ginetta Collo, Division of Pharmacology, Department of Molecular and Translational Medicine, University of Brescia, Italy.

The position is on the project **“Testing the cellular and molecular effects of psychoactive drug candidates on in-vitro models of human iPSC derived dopaminergic neurons”**

We are looking for a highly motivated scientist with a background in cellular and molecular neuroscience and preferentially iPSC technologies.

Human neurons derived from iPSC represent a new translational model to assess the mechanism of action of new drug candidates for psychiatric and neurological disorders. One key problem in psychiatry is the identification of a personalized therapy for a subgroup of patients, i.e. those with Treatment Resistant Depression. In our laboratory we are investigating the molecular and cellular mechanisms of novel antidepressants using in-vitro translational models of human iPSC-derived neurons.

The selected candidate will differentiate human iPSC into neuronal subpopulations using protocols that are already in use in the lab. Neuroactive compounds with potential antidepressant properties will be tested in established in-vitro models focusing on neuronal plasticity. The selected candidate will contribute to experimental designs, perform the pharmacological studies, analyse the results, prepare the final reports.

This project requires a candidate with interest and aptitude to interact with the Pharma teams that are collaborating and providing the pharmacological agents.

The position will be funded for one year and renewable up to 2 years.

The deadline for application is October 15<sup>th</sup>, 2020.

For more information please contact: [luigia.collo@unibs.it](mailto:luigia.collo@unibs.it)

