



SANTA LUCIA
NEUROSCIENZE E RIABILITAZIONE

Pre-doctoral/Post-doctoral Fellowship position in Neuroimmunology available at the Institute of Translational Pharmacology (CNR of Rome) and Resolution of Neuroinflammation Laboratory (IRCCS Santa Lucia Foundation)

Dr. Valerio Chiurchiù is looking for a postdoctoral fellow to work on field of chemotherapy-induced cognitive impairment known as “chemofog”.

The position is financed by the Italian Ministry of Education, University and Research on PNRR European Founding (PRIN 2022 - PNRR) and is a partnership with the Department of Physiology and Pharmacology "Vittorio Erspamer" of Sapienza University of Rome.

The project aims at investigating the role of microglia in chemotherapy-induced learning and memory impairment in a rodent model of ‘chemofog’ in models of microglia-depleted mice in either white- or grey-matter and the underlying molecular mechanisms, structural and functional synaptic alterations. The technical approach of the project is multidisciplinary and it involves behavioral studies, electrophysiology, immunohistochemistry, transcriptomics and high-dimensional flow cytometry.

WHO ARE WE LOOKING FOR:

- Highly motivated researcher holding a Master Degree (Laurea Magistrale) in Cellular and Molecular Biology, Neuroscience, Biotechnology, Biomedical Sciences or any related fields.
- Having been awarded a PhD is a plus but not required
- Capable of autonomous and independent organizational and experimental activity
- Good team player, collaborative, self-driven and detail-oriented
- Fluent in both spoken and written English (B2-C1) and with good/excellent communication skills
- Capable of structuring and writing research articles
- Good track-record of publications in relation to the academic year and research experience
- Requested technical skills: independence in Flow Cytometry and in the handling and dissociation of animal brain tissues. Experience in *in vivo* studies in mice/rats is a plus but optional.

WHAT WE OFFER:

- Access to excellent equipment to perform a variety of methods.
- Working in a novel, hot and unexplored field of research with a high translational impact
- Publishing on high-impact journals and applying for more independent funding
- Participating to national and international conferences
- Participating to international collaborations with prestigious institutes (Harvard Medical School, University of California-Irvine, University of Bern, University of Jena, University of Rostock and many more...)
- Receiving training in scientific writing and other soft skills necessary to become a competitive candidate in the professional field of choice.
- Receiving scientific and professional supervision and advice on career development

The position will be available for 2 years starting from December 2023/January 2024. The gross salary will be of 25.000,00 euros/year, in accordance with the Italian University scale, and can be implemented according to the candidate experience.

Please send updated CV, motivation letter and at least 2 reference contacts to:

valerio.chiurchiu@ift.cnr.it v.chiurchiu@hsantalucia.it