



**SANTA LUCIA**  
NEUROSCIENZE E RIABILITAZIONE

**Post-doctoral Fellowship position in Cellular and Molecular Biology/Immunology 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 the novel field of “Resolution of Inflammation” by understanding the biochemical and immunological mechanisms at the basis of the failure in timely resolving inflammation at a tissue- and cell-specific level in multiple sclerosis and other neuroinflammatory/neurodegenerative diseases.

The position is financed by the Italian Ministry of Education, University and Research (PRIN 2022) and is a partnership with the Department of Biology of the University of Rome “Tor Vergata”.

The project aims at discovering inflammation-resolution defects in brain areas that are at the interface between the blood and the brain in multiple sclerosis (MS) and Parkinson’s disease (PD) and will involve the quantification of pro-inflammatory and pro-resolving lipid mediators and the identification of their cellular source within the brain as well as dissecting the cross-talk between immune and brain cells during inflammation by means of 2-D human cultures models of choroid plexus cells and brain microvascular endothelial cells with blood leukocytes obtained from MS and PD patients. The technical approach of the project is multidisciplinary: lipidomics, multi-dimensional flow cytometry, CyTOF, single-cell analysis and RNA-seq, epigenetics and bioinformatics.

**WHO ARE WE LOOKING FOR:**

- Highly motivated researcher holding a PhD degree in either Cellular and Molecular Biology, Immunology, Genetics, Biotechnology or Bioinformatics
- 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 cell cultures (preferably primary and 2-D cultures), molecular biology (qRT-PCR, RNA-seq, single-cell analysis). Experience in bioinformatics analysis 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 27.000,00 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](mailto:valerio.chiurchiu@ift.cnr.it) [v.chiurchiu@hsantalucia.it](mailto:v.chiurchiu@hsantalucia.it)