

Postdoctoral Research Fellow at the Laboratory of Virology (INGM)

The *Laboratory of Virology* (https://ingm.org/en/de_francesco_lab/) at the Istituto Nazionale di Genetica Molecolare – INGM/Università degli Studi di Milano, Italy, informs that a Postdoctoral Fellowship is available in the De Francesco laboratory.

The project

The project is related to the PNRR PEI3 project “INF-ACT” - One Health Basic and Translational Research Actions addressing Unmet Needs on Emerging Infectious Disease”.

Research activity

The position is for an enthusiastic Postdoctoral researcher who will:

- i) investigate the effects of viral infection in tissues such as CNS, heart and liver;
- ii) examine the potential for persistent infection and reservoir formation in these tissues;
- iii) develop and utilize 2D and 3D tissue models derived from iPS cells (neurons, cardiomyocytes, hepatocytes), employ viruses engineered with fluorescent reporters (e.g., GFP, Venus) to track infection dynamics; characterize the phenotypic changes in infected cells.

Requirements

Candidates must hold a PhD in Life Sciences (Biology, Biotechnology, Pharmacy, CTF). Research experience in the field of cellular and molecular biology, previous experience with culture and differentiation of induced pluripotent stem cells (iPS), experience working with infectious agents in a BSL3 environment and proficiency in optical microscopy techniques, including ability to use software tools for data and image analysis, are desirable.

Duration

The Postdoctoral Fellowship will have a duration of 1-year starting from October 2024 and is renewable for additional 1 or 2 years according to availability of funds.

Application

The call will be open until September 2, 2024.

For expressions of interest or if you wish to have more info, please contact Raffaele De Francesco (defrancesco@ingm.org)