

Laboratory presentation

The objective of the laboratory is to discover, characterize and demonstrate the imputability of new or unexpected infectious agents in clinical syndromes of unknown etiology, including agents of zoonoses.

Job description

Profession

Research assistant

Job title

Postdoctoral researcher in Cellular and molecular biology

Role of fluke-borne viruses in liver fluke pathogenicity and oncogenicity

Missions/activities

The two closely related liver flukes *Opisthorchis viverrini* and *Clonorchis sinensis* are recognized as group I carcinogens by the International Agency for Research on Cancer (IARC) for their role in Cholangiocarcinoma. We have recently discovered that these two trematodes harbor viruses that are excreted by the flukes and trigger a humoral response, and that host response to fluke-borne viruses is correlated with hepatobiliary diseases, including cancer. The ANR funded FLUBOPATHO project aims to characterize the impact of fluke-borne viruses on human cells. More specifically, we will determine the impact of fluke virus proteins on the cell transcriptome and explore their effect on dedicated cell signaling pathways. We will also build a network of virus-host protein-protein interactions. The objective is to identify mechanisms of pathogenicity, linking viral infection with host response, inflammation and oncogenicity, that may then be targeted to develop therapeutics and preventive solutions.

Profile

We are seeking a highly motivated and talented Postdoctoral Researcher to join our dynamic team. This role is designed for a scientist who balances rigorous academic standards with a pro-active mindset and a genuine passion for discovery. If you thrive in a collaborative environment and are driven by deep scientific curiosity, we want to hear from you.

Employment type

- Full time
- Fixed term contract
- Duration 18 months, renewable

Requirements & qualifications

Experience

Minimum 3 to 5 years

Education

- Bac+8
- PhD

- Ph.D. in Molecular Biology, Cell Biology, Bioinformatics, Biochemistry, or a related field

Skills

Experience in cell culture and functional assays (in vitro modeling, gene silencing, phenotypic profiling), molecular biology and biochemistry (protein analysis, visual tracking, Flux cytometry). In addition to this experimental background, an in-depth expertise in advanced statistical and computational tools for analysis of Omics data (transcriptomics and interactomics) would be a great asset. The candidate must show a strong sense of collaboration, communication and leadership.

Language skills

English (C1)

Job location

Institut Pasteur Paris, France

Your working and conditions environment

The Institut Pasteur is committed to providing an inclusive and respectful work environment. We welcome all applications that meet the criteria of the position, valuing diversity in all its forms and varied backgrounds.

- Very favorable leave policy (32 CP after integration)
- Possibility of remote work
- Soft mobility package or reimbursement of 75% of the transport tickets
- Company canteen, restaurants, cafeterias
- Family health insurance (free for spouses/children) and health service for employees on campus
- Gyms, 30 cultural/artistic/sports activities on campus
- Strong CSR commitments, and employee initiatives encouraged
- Multicultural environment (more than 75 nationalities on campus).

Contact

Name of the Laboratory manager

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