



## Post-doctoral position open at CIRI, Lyon, France

### “Determinants of the maturation *via* topological switch of the HBV envelope glycoproteins”

The laboratory EVIR - Enveloped viruses, Vectors and Immunotherapy - at CIRI is welcoming applications from enthusiastic and independent post-doctoral candidates to investigate the determinants of the maturation *via* topological switch of the HBV envelope glycoproteins. The position is currently available and funded for 3 years by the ANRS/EID.

**Environment:** The host laboratory is part of the CIRI - International Center for Infectiology Research (<https://ciri.ens-lyon.fr>), in Lyon, France. The laboratory provides state-of-the-art facilities for cellular and molecular biology, biochemistry and top-level animal housing. It is located on the Campus Charles Mérieux, a research environment endowed with strong basic biology sciences and a particular dedication to research in immunology and gene/cell therapy. Moreover, the host lab has several projects on basic science research (particularly in Immuno-Virology) and a particular interest in translating its basic science discoveries in translational research in immunotherapy. These discoveries notably led to the development of new pseudotyping of lentiviral vectors, allowing the modification of immune cells, which were notoriously hard to modify. The lab has filed several patent applications, including two patents on B cell reprogramming strategies.

**Candidates:** The applicants are expected to have a strong background in molecular and cellular biology. The ideal candidates should be highly motivated, curious and enthusiastic to work in a collaborative team. Prior experience in molecular virology, immuno-virology and international experience will constitute an advantage. Proven ability to identify research objectives and meet agreed deadlines, self-motivation, flexibility, and assistance to others ongoing research works are essential. Excellent written and communication skills in English are required.

**Application:** Candidates are invited to contact **François-Loïc Cosset** ([flcosset@ens-lyon.fr](mailto:flcosset@ens-lyon.fr)) for further details. Please send an application with the following:

- Cover letter
- Concise summary of previous research activities
- Curriculum vitae including publication list and contact details for 2-3 referees

**Date of publication:** 24<sup>th</sup> July 2023      **Deadline for application:** 30<sup>th</sup> September 2023

#### Recent publications of the laboratory related to the position:

- Boson, B., Mialon, C., Schichl, K., Denolly, S. & Cosset, F.L. Nup98 Is Subverted from Annulate Lamellae by Hepatitis C Virus Core Protein to Foster Viral Assembly. *mBio*, e0292321 (2022).
- Perez-Vargas, J., *et al.* A fusion peptide in preS1 and the human protein disulfide isomerase ERp57 are involved in hepatitis B virus membrane fusion process. *Elife* **10**(2021).
- Legros\*, V., Denolly\*, S., *et al.* A longitudinal study of SARS-CoV-2-infected patients reveals a high correlation between neutralizing antibodies and COVID-19 severity. *Cell Mol Immunol* **18**, 318-327 (2021).
- Chemin, I., *et al.* Preliminary Evidence for Hepatitis Delta Virus Exposure in Patients Who Are Apparently Not Infected With Hepatitis B Virus. *Hepatology (Baltimore, Md)* **73**, 861-864 (2021).
- Perez-Vargas, J., *et al.* Enveloped viruses distinct from HBV induce dissemination of hepatitis D virus in vivo. *Nature communications* **10**, 2098 (2019).