

Two years post-doctoral position on respiratory infections

VirPath team, CIRI, Lyon, France

The VIRPATH laboratory at the International Center for Research in Infectiology (CIRI) is inviting applications from motivated, independent postdoctoral researchers to lead cutting-edge projects focused on deciphering the host response during respiratory infections caused by viruses and atypical bacteria, including *Mycoplasma pneumoniae*, *Chlamydia pneumoniae*, and *Bordetella pertussis*.

This two-year position, fully funded by ANR, is part of the REVIDA industrial chair in partnership with bioMérieux (www.revida.fr). The overarching goal is to develop innovative diagnostic strategies for respiratory infections by analyzing host responses rather than relying solely on pathogen detection. A key objective is to define a nasal host-response signature to better identify infection etiology, guide second-line diagnostics, and improve both patient management and antibiotic use. Both nasal swabs collected from infected patients and in vitro infection model using a nasal-derived reconstituted human airway epithelium (HAE) system will be used to identify specific host signature,

The research will be conducted within the framework of the CIRI, in collaboration with the University Claude Bernard Lyon 1 and the Lyon University Hospital (HCL).

Candidates: Applicants are expected to have a strong background in RNAseq, *in silico* analysis, virology-bacteriology, and/or cellular-molecular biology. Ideal candidates are expected to be highly motivated, curious, and enthusiastic about working in a collaborative research environment. Strong skills in setting research goals, meeting deadlines, working independently, and adapting to evolving project needs are essential. A proactive mindset, organizational ability, and willingness to contribute to other ongoing studies are also important. Excellent written and verbal communication skills in English are required.

Application: Candidates are invited to contact sophie.trouillet-assant@chu-lyon.fr and caroline.dupre@univ-lyon1.fr for further details. Please send an application with a cover letter, a concise summary of previous research activities and a curriculum vitae including publication list and contact details for 2-3 referees

Deadline for application: 30th of November 2025



About CIRI

CIRI is a leading research institute jointly affiliated to INSERM, CNRS, ENS Lyon and Lyon 1 University. CIRI gathers 400 scientists with a diverse panel of expertise ranging from molecular microbiology to human immunology. At the CIRI, we offer a dynamic and stimulating scientific environment at the heart of the Lyon Biodistrict, with strong links to clinical research and direct access to state-of-the-art technological platforms through the SFR Biosciences (UMS3444/US8). Located in a city renowned for its thriving biotech ecosystem and vibrant cultural life, Lyon also offers easy access to the French Alps, the Auvergne region, the Mediterranean Sea, and is just a two-hour train ride from Paris. It's an ideal setting to pursue cutting-edge research while enjoying an exceptional quality of life.

