

**Junior Researcher Position at INRAE
Integrative Immunology for the Respiratory tract
Competition open from January 31st 2024 to March 5th 2024**

Place of employment

UMR Virologie et Immunologie Moléculaires (VIM)
Team Vaccine Immunopathology Immunomodulation (V2I)
INRAE Jouy en Josas
France

Contacts

Delphine Descamps, 0134652510 delphine.descamps@inrae.fr
Isabelle Schwartz, 0134652634 isabelle.schwartz@inrae.fr

Theme

The Molecular Virology and Immunology (VIM) laboratory conducts research on host responses against animal pathogens that have significant impact on agro-economics and public health. They also work on developing infection control strategies with the goal of improving global health. The Vaccine Immunopathology Immunomodulation (V2I) team, comprised of INRAE researchers and FOCH/UVSQ hospital-university staff, is dedicated to studying the immunology of respiratory diseases in both animals and humans (see [V2I web site](#)). The scientific objective of the "Integrative Immunology for the Respiratory tract" position is to investigate the immunological imprinting induced by early life respiratory infections and how environmental factors like air pollution affect this process. The aim is to develop immunomodulation strategies to enhance immune defenses during this early stage of life. The research will utilize immunomics approaches across different species, encompassing bovine and human target species and mouse models. Immunomics techniques will involve high-throughput methods to examine the impact of environmental stressors on the developing immune system, spanning from a systemic level down to single cells, and including the respiratory microbiota.

Formation/skills

An expertise in immunology and an aptitude for high-throughput data manipulation are desired. Previous training in biostatistics and animal experimentation would be appreciated. Proficiency in English is desirable, as well as an international experience: successful candidates without such an experience will have to undertake a stay abroad at the end of their first year of recruitment.

Special conditions

The work will imply experimentations in a class 2-contained environment, experimentations at distance from the main laboratory on an animal facility that require a driver's license, and possibilities of staggered work hours due to the neonatal period topic of research.

To submit your application to the competition, see <https://jobs.inrae.fr/en/open-competitions/open-competitions-research-scientists-job-profiles-crcn/cr-2024-sa-2>. We encourage applicants to contact delphine.descamps@inrae.fr or isabelle.schwartz@inrae.fr for more information.