

Post-doctoral position in Immunology

Job Profile

CSS 5 (Immunology, Microbiology, Infection) 3 (Physiology and Pathophysiology of major systems)

Offer description We are offering an exciting post-doctoral opportunity in the fields of Inflammatory Bowel Diseases (IBD), immunology, microbiota and molecular biology. This Position will be supervised by Pr Laurent Peyrin-Biroulet and co-supervised by Dr Djésia Arnone. This is a three-year post funded by IHU Infiny, a leading center focused on advancing research and treatments for IBD. The successful candidate will be based in Nancy, with several missions in Paris, offering the opportunity to gain unique insights from two prominent research environments.

Researcher profiles

- First-Stage Researcher (*PhD candidate*)
- Young Researcher (*with less than 4 years research experience after PhD*)
- Established Researcher (*with more than 4 years research experience*)
- Senior Researcher

Research Fields (2 max.)

<input checked="" type="checkbox"/> Biological Sciences	<input checked="" type="checkbox"/> Medical Sciences
<input type="checkbox"/> Chemistry	<input type="checkbox"/> Neurosciences
<input type="checkbox"/> Computer Science	<input type="checkbox"/> Pharmacological Sciences
<input type="checkbox"/> Engineering	<input type="checkbox"/> Physics
<input type="checkbox"/> Environmental Science	<input type="checkbox"/> Technology
<input type="checkbox"/> Ethics in Health Sciences	<input type="checkbox"/> Other (specify):

Main Activities

- Experiments on samples from patients with inflammatory bowel disease, mice samples and cellular experiments
- Updating and monitoring results on the laboratory's database
- Drafting reports and publishing scientific studies

Associated Activities

- Design and conduct scientific experiments to develop an innovative system approach to study host, microbiota and exposome interactions in inflammatory bowel disease
- Defining and drafting procedures, research hypotheses and scientific models
- Analyzing and interpreting results of scientific experiments, and checking the consistency of results with hypotheses
- Presenting results of scientific studies carried out internally and externally
- Scientific and/or technical monitoring
- Documentary and bibliographical research
- Drafting grants and responding to calls for projects

Specific Requirements or Constraints

- NA

Skills/Qualifications

- Flow cytometry
- Microbiome analysis
- Cell culture

- Animal experiments (germ free mice)

Required Experience 0 to 2 years 2 to 4 years 4 to 10 years >10 years
Fields: Immunology, Gut Microbiome

Required Education Level or Diploma

- PhD in Immunology
- Animal experimentation agreement (Felasa B : designing procedures and projects)

Required Languages

- French
- English

Hosting Unit

Code U1256

Name Nutrition Génétique et Exposition aux Risques Environnementaux (NGERE)

Director Pr David Meyre

Composition

The post-doctorant will work in the NGERE (Nutrition, Genetics and Exposure to Environmental Risks) laboratory, headed by Prof. David Meyre. Located on the Brabois Health Campus in Vandœuvre-lès-Nancy, the NGERE laboratory is a joint research unit of the University of Lorraine and INSERM, with around 120 staff. Within Team 2 - 'Environmental determinants, integrative multi-omics biology and precision medicine in obesity, chronic inflammatory bowel disease and cancer', headed by Prof. David Meyre, Group 2 - 'Integrative and targeted approaches in chronic inflammatory bowel disease (IBD)' is headed by Prof. Laurent Peyrin-Biroulet. The overall aim of the IBD group is to identify new predictors of disease complications using an integrated 'multi-omics' approach, to contribute to the development of personalized therapies for IBD.

The team also aims to test and develop innovative therapeutic strategies, thanks to an integrated pre-clinical and clinical program with European academic and industrial partners providing unique expertise in the field of chronic inflammatory disorders.

Group 2 of Team 2 is part of the Institut Hospitalo-Universitaire (IHU) Infiny, where multidisciplinary teams use a wide range of cellular and molecular biology approaches dedicated to the study of IBD.

Address 9 avenue de la forêt de Haye - 54500 Vandœuvre-lès-Nancy

Website <https://www.ihu-infiny.fr/>

Contract

Type djesia.arnone@univ-lorraine.fr

Duration 36 months

Salary According to profile

Envisaged Start Date June 1st

Application

Applicants must send a CV and a cover letter to: djesia.arnone@univ-lorraine.fr

Contact for further information (name, telephone/mail): djesia.arnone@univ-lorraine.fr

Deadline for application: April 15, 2025.