

Position description

1. Position identification

Title of post : Postdoctoral researcher in biology

Type of contract : Fixed-term contract

Category (A,B or C) : A

Contract/project period : One year

Expected date of employment : 16.03.2026

Proportion of work : 100%

Workplace : Research Center for Immunology and Hematology,

1 Place de l'Hôpital, Strasbourg

Desired level of education : PhD

Experience required :

Contact(s) for information on the position (identity, position, e-mail address, telephone) :

Pr Raphael Carapito, carapito@unistra.fr, deputy director of the unit

Date of publication : 29.01.26

Closing date for applications : 26.02.26

2. Research project or operation

The host laboratory studies the genetics of various immune deficiencies in humans. Several new genes responsible for these deficiencies have recently been identified. The postdoctoral researcher will be responsible for the functional characterization of one or more genes in various in vitro and in vivo systems.

3. Activities

➤ **Description of the research activities :**

- Purify proteins and characterize their protein partners under different conditions
- Biochemically and enzymatically characterize proteins
- Coordinate structural approaches in collaboration with partners
- Generate point mutants in cell lines using CRISPR-Cas9 technology
- Characterize the cellular transcriptome and proteome under various conditions
- Phenotypic characterization of a mouse model

- **Related activities :** present research findings and participate in the dissemination of scientific knowledge

4. Skills

➤ **Qualifications/knowledge :**

Ability to work collaboratively with multiple teams of biologists

Experienced in animal experimentation (mice or rats)

Solid knowledge in bioinformatics

Excellent command of written and spoken English

➤ **Operational skills/expertise :**

Proficiency in standard protein biochemistry techniques (electrophoresis, Western blot, ELISA, immunoprecipitation, etc.), protein separation/purification, and enzymology

Proficiency in cell culture techniques and flow cytometry

Proficiency in basic molecular biology techniques (PCR, cloning, etc.)

Good knowledge of the CRISPR-Cas9 system

Personal qualities :

Autonomy, strong communication skills, a genuine interest in teamwork, rigor, and a strong sense of organization

5. Environment and context of work

➤ **Presentation of the laboratory/unity :**

Department name: Molecular Immuno-Rheumatology UMR_S1109

Number of staff in the department: 120

Number of staff to supervise (if applicable): 0

Work location : Faculty of Medicine, Research Center for Immunology and Hematology,
1 Place de l'Hôpital, Strasbourg

➤ **Hierarchical relationship :** Under the responsibility of the unit director and his deputy

➤ **Special conditions of practice (notice attached):** Flexible working hours

To apply, please send your CV, cover letter and diploma to :
carapito@unistra.fr