

Position description

1. Position identification

Title of post : Post-Doctoral researcher

Type of contract : CDD (Limited-term)

Category (A,B or C) : -

Contract/project period : 1 year, may be extended up to 3 year

Expected date of employment : September 2026

Proportion of work : 100%

Workplace : ITI IRMIA++, Strasbourg (France)

Desired level of education : PhD in astronomy or physics

Experience required : 0 to 3 years (PhD defense within the last 3 years at the time of hiring)

Contact(s) for information on the position (identity, position, e-mail address, telephone) : iti-irmiapp@unistra.fr

Date of publication : October 13th, 2025

Closing date for the receipt of applications : November 9th, 2025

2. Research project or operation

The astronomical observatory of Strasbourg (Observatoire astronomique de Strasbourg, ObAS), in conjunction with the Interdisciplinary Thematic Institute IRMIA++ of the Strasbourg University, is opening a post-doctoral fellowship position on any scientific topic covered by the Observatory: stellar and star cluster populations, star formation, interstellar medium, high energy astrophysics including processes associated with compact objects and black holes and the exploitation of the SVOM mission, galactic archeology including exploitation of the Gaia mission, galaxy evolution and cosmology including the exploitation of the Euclid mission, and data science including data sharing and reuse. The research project must have a strong interdisciplinary component involving applied mathematics (including computer science, machine learning or deep learning).

3. Activities

➤ **Description of the research activities :**

The post-doctoral researcher will develop the research actions defined in his/her research project defined at the time of application. This project will have to be included in the context of the ITI and of the host team.

4. Skills

➤ **Qualifications/knowledge :**

Knowledge of applied techniques in the scientific field(s) of the project

Disciplinary expertise developed during the doctoral program

Ability to conduct fully independent research

➤ **Operational skills/expertise :**

Writing skills

Discipline-specific computer skills

Language skills and ability to work in an international context

➤ **Personal qualities :**

Organization and priority management

Ability to manage stress and peaks in activity

Ability to integrate into a team and to maintain collaborations

Ability to communicate

Autonomy and initiative

5. Environment and context of work

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

The post-doctoral researcher will be assigned to Strasbourg and will carry out his work in the framework of the ITI IRMIA++ project - Research in Mathematics, Interactions and Applications. This project gathers a research center in the continuity of the LabEx IRMIA and a Master-Doctorate training program. The ITI teams gather almost all the mathematicians of the University of Strasbourg, and other teams whose research includes a strong mathematical dimension. The researcher will be attached to Observatoire Astronomique de Strasbourg (ObAS).

ObAS is located on the premises of Strasbourg University – one of the major universities in France – in historical buildings surrounded by a botanic garden, within walking distance from the city center. A total of about 100 people work at the observatory, including 30 permanent researchers. The Strasbourg observatory also hosts the Strasbourg astronomical Data Centre (CDS, <https://cds.unistra.fr>). CDS is dedicated to the collection and distribution of astronomical data and information, and the development of innovative techniques for scientific exploitation of large data sets. More information on the observatory, including the list of personnel, is available at <https://astro.unistra.fr>

Through local, national and multi-national institutions (including ESO, IRAM, ESA, CFHT, GENCI, PRACE, etc.), the researcher will have access to prime observing and computing facilities. Support for research travel will be provided. Benefits include full access to the generous French healthcare system (medical, dental, maternity/paternity leave, etc.).

➤ **Hierarchical relationship :**

The observatory fellow will conduct their own independent research, but is expected to interact with the local researchers from ObAS and whenever possible from IRMIA++.

To apply, please visit <https://irmiapp.unistra.fr> in section Jobs/Post-doc positions to follow the application procedure