

## **ARISE Fellowships for technology developers**

### **About the Fellowship**

#### **Context**

In the frame of **ARISE (Career Accelerator for Research Infrastructure Scientists)** programme, we are looking for experienced professionals with a background in the fields of computation engineering and data sciences/ imaging and optical engineering/ mechanical engineering or molecular biotechnology, eager to develop novel technologies for life sciences and get trained to operate life science research infrastructures of tomorrow.

The programme receives funding from Horizon 2020 under the Marie Skłodowska-Curie action COFUND (grant agreement No 945405).

EMBL and Marie Skłodowska-Curie Action Cofund are now offering 20 **three-year Fellowships** to

- Join us to work on method or technology development of your choice which will have a potential to be provided as a service to external life science researchers
- get trained in operation and management of research infrastructures and service provision.

The training will cover the topics of planning and providing services, managing operation of the research infrastructure, financial management, staff management, innovation and collaboration with industry, strategic planning, understanding science policy and funding system, etc. More details are presented on the ARISE website.

ARISE is the first Fellowship programme of its kind in Europe and is designed to train Fellows to become highly skilled leaders or senior staff at research infrastructures or other service providing facilities. You will also be able to connect/network with a diverse group of professionals.

As an ARISE Fellow, you will be hosted by an EMBL group/team of your choice at one of our six sites (Barcelona, Grenoble, Hamburg, Heidelberg, Hinxton, or Rome) and will do secondments at partner organisations from industry or academia. EMBL group and team leaders participating in ARISE all have a track record in developing new methods and technologies, providing these as a service to diverse groups of external researchers, and applying them to answer novel scientific questions.

For more information about the programme visit [embl.org/arise](https://embl.org/arise). Salaries offered to the ARISE fellows are competitive **and a full overview of salaries at different EMBL sites for ARISE fellows can be found [here](#).**

Our working language is English.

## Your role

As an ARISE Fellow, you will be carrying out research work on a method or technology development project of your choice. The technology that you wish to develop should facilitate research in life sciences and should have the potential to be integrated into the service catalogues of research infrastructures.

You will work in one or more diverse **technology fields** such as AI and machine learning, bioinformatics, (bio)chemical engineering, chemistry or chemical biology, computational modelling, software development, data management, data science, automation, detector development, X-ray optics, X-ray crystallography, high-precision mechanics, image analysis, Imaging, microscopy, microfluidics, robotics, and omics technologies.

The technologies that you will develop should support research in EMBL **life science fields**, e.g., bioinformatics research, biophysics, biotechnology, cell biology, computational biology, developmental biology, disease modelling, drug design, epigenetics, genome biology, neurobiology, structural biology, tissue biology, translational research, planetary biology.

You should start planning your own project proposal already during the application phase for the Fellowship, discuss it with EMBL groups of interest, and include it in your application (see below 'How to apply'). The project should reflect your interests and align with the expertise of the EMBL group or team that you wish to join, as well as the research focus of the ARISE partner organisation in which you wish to complete your secondment.

## You have

- A University degree in natural sciences or related STEM disciplines (Science, Technology, Engineering and Mathematics)
- At least four years of full-time equivalent research experience (in technology development) in STEM fields, a high level of skills (postdoctoral standard) or expertise in a specialisation in which doctoral degrees are not usually awarded. Experience can be both in academia or non-academic sectors, but must be relevant to the research fields of our groups and teams that are participating in the programme.
- Experience relevant to technology development related to service provision
- Strong research potential that can be shown through *e.g.*, scientific publications, scientific software unique or problematic data sets, technical documentation or similar, contributions to patents, examples of management of technology development projects or detailed description of any other innovative research you have performed and your achievements or through other ways to demonstrate experience relevant to technology development and scientific services.
- Fluency in English (written and oral) and excellent communication skills
- Demonstrated experience in collaborative working
- The capacity to work independently and think creatively, excellent time management and organization skills
- Ability to communicate and work with a diverse group of individuals across the organisation

## You might also have

- A PhD degree

## Why join us

EMBL is Europe's flagship research laboratory for the life sciences – an intergovernmental organisation performing scientific research in disciplines including molecular biology, physics, chemistry and computer science. We are an international, innovative and interdisciplinary laboratory with more than 1800 employees from many nations, operating across six sites, in Heidelberg (HQ), Barcelona, Hinxton near Cambridge, Hamburg, Grenoble and Rome. Our other missions are to offer vital services in training scientists, students and visitors at all levels; to develop new instruments and methods in the life sciences and actively engage in technology transfer activities, and to integrate European life science research.

We offer attractive conditions and benefits appropriate to an international research organisation with a very collegial and family friendly working environment. The remuneration package comprises a competitive salary, a comprehensive pension scheme, medical and other social benefits.

We strive to be an inclusive, equal opportunity employer looking to attract applicants to complement our existing teams - successful innovation is built on teams of diverse experiences and backgrounds. More information about what we are working towards a more inclusive work environment can be found [here](#).

## What else you need to know

### How to apply

Application deadline: 30 November 2021.

For details on how to apply, please visit [ARISE website](#). The application with all required documents should be submitted using the online submission system.

In your online application, you will be asked to submit a project proposal as well as additional documents relevant for the evaluation of your application. Please download the Guide for Applicants [here](#) to learn which documents are required and to find the list of necessary steps. The project proposal and the ethics self-assessment templates are available for download [here](#). Should you have questions, please feel free to contact the ARISE project management team ([arise@embl.org](mailto:arise@embl.org)). Interviews are planned for February 2022. The Fellowship has a fixed duration of 3 years. You can start your fellowship from mid-March 2022, but latest by September 2022.

Click [here](#) to apply to ARISE!