

## I. Research Programmes

### I.4 IQST: Postdoc programme

#### Content, objective and scope

The Centre for Integrated Quantum Science and Technology (IQST) is inviting applications for its Postdoctoral Fellowships. The successful candidate will have the opportunity to work in an interdisciplinary research environment at IQST.

We encourage applications that are focused on collaborative and cross-disciplinary research including collaboration with several IQST groups. The programme is focused on attracting applicants from places other than the IQST Fellows institutions.

The projects should be aligned with one of IQST's tracks (see <https://www.iqst.org> for details)

- a) Explore: curiosity-driven science, foster interdisciplinarity and out of the box thinking (see details on website)
- b) Create: mission-driven science, i.e. oriented at missions that aims to tackle current and future societal challenges in health, sustainability, mobility, safety and security, and information technologies, taking quantum physics and applying it to find new solutions (see details on website).

The IQST is committed to increasing diversity in quantum science, and candidates from under-represented groups are especially encouraged to apply.

#### Funding

The fellowships will be funded for a duration of up to two years. It will cover the salary of the applicant (E13) and additional support of 10 kEuro per year for travel or consumables (for a maximum period of two years starting 01.01.2025). Prospective applicants need to coordinate with an IQST host, i.e. an IQST fellow.

#### Review criteria

- Scientific excellence of candidate and the proposed project
- Relevance and fit to IQST's mission and planned research initiatives
- Applicants
  - need to come from outside IQST (not having worked in the group of an IQST fellow)
  - switch IQST institutions (i.e. work with a different IQST fellow at a different institution). In this case, an extra explanation why this is most beneficial should be added.
  - Be not more than 4 years after obtaining their PhD

## Application

Applicants are invited to submit a proposal to the IQST office [office@iqst.org](mailto:office@iqst.org). The proposal will be reviewed and decided upon by the IQST board.

**Deadline: 31.10.2024**

**Start: 01.01.2025**

*For questions about your application, please contact IQST office or IQST directors*

- Stefanie Barz, [stefanie.barz@iqst.org](mailto:stefanie.barz@iqst.org)
- Fedor Jelezko, [fedor.jelezko@iqst.org](mailto:fedor.jelezko@iqst.org)

**Application template: Postdoc programme**

**Project Title:**

**Applicant and host involved:**

| Name | Affiliation | e-mail |
|------|-------------|--------|
|      |             |        |
|      |             |        |

**1. What is the planned research project at IQST (2 page)?**

**2. How does the project advance the current status of research (1 pages)?**

Please include most relevant and published preliminary work as well as references to your own work

**3. How does the research project support the mission of IQST (0.5 pages)?**

**4. Describe the fit between the applicant and the PI, how does the project bring something new to IQST (0.5 pages)?**

**5. How do the applicants participate in IQST programmes and activities?**

**6. Please add:**

- Support letter by IQST Fellow**
- Curriculum Vitae**
- List of Publications**