

Based on the decision of the Faculty Council of the Faculty of Physics at the University of Rijeka, the Faculty of Physics at the University of Rijeka, Radmile Matejčić 2, announces this

### CALL FOR APPLICATIONS

for a position on the project "Membrane-in-the-middle quantum memory for single photons (IP-2024-05-5670)", funded by the Croatian Science Foundation and to be carried out at the Faculty of Physics, University of Rijeka

1. Selection of one **postdoctoral assistant** (m/f), on a fixed-term employment contract (18 months) with full-time hours, in the scientific field of Natural Sciences, area of Physics, at the Faculty of Physics, University of Rijeka.

All applicants for the position must meet the general conditions prescribed by the Labor Law (Official Gazette 93/14, 127/17, 98/19, 151/22, and 64/23) and the specific conditions set out in Article 39, Paragraph 7 of the Higher Education and Scientific Activity Act (Official Gazette 119/202), Article 55, Paragraph 3 of the Statute of the University of Rijeka, Article 49 of the Rules of Procedure of the Faculty of Physics, University of Rijeka and [additional conditions](#) for the employment of postdoctoral assistants on the projects of the Croatian Science Foundation.

The following documents must be submitted with the application:

- Curriculum Vitae
- A copy of proof of Croatian citizenship or citizenship of another country
- A copy of proof of the required qualifications, i.e. doctoral degree
- A list of publications
- A motivation letter in English or Croatian, highlighting the applicant's motivation for the position and any qualifications for preferential treatment based on the conditions listed below.

The selected candidate will be required to submit a decision on the recognition of foreign educational qualifications before starting the employment. Details on this procedure and the required documentation can be found [here](#).

Conditions for preferential treatment in the selection process:

- Previous work experience related to the topics of the project (optical cavities, optomechanics, quantum optics, nonlinear optics, single-photon generation, optical parametric oscillators, spontaneous parametric down-conversion) and relevant experimental techniques (optical sideband cooling, cavity alignment, cavity locking, homodyne and heterodyne detection)
- Work experience with vacuum and cryogenic systems
- Well-developed interpersonal skills and a proven ability to work successfully in an interdisciplinary and collaborative team.

Applications with proof of meeting the requirements should be sent via email in PDF format to: [fizika@phy.uniri.hr](mailto:fizika@phy.uniri.hr).

The deadline for submitting applications with supporting documents is **30 days** from the date of the publication of the call in the Official Gazette.

Candidates who are entitled to preferential treatment in employment based on special regulations (Article 102 of the Homeland War Veterans and Their Families Act, Official Gazette 121/17, 98/19, 84/21, and 156/23, Article 48 of the Civilian War Casualties Act, Official Gazette 84/21, Article 48.f of the Act on the Protection of Military and Civilian War Invalids, Official Gazette 33/92, 57/92, 77/92, 27/93, 58/93, 2/94, 76/94, 108/95, 108/96, 82/01, 103/03, 148/13, and 98/19, and Article 9 of the Act on Professional Rehabilitation and Employment of Persons with Disabilities, Official Gazette 157/13, 152/14, 39/18, and 32/20) must refer to this entitlement in their application and provide all necessary documentation as prescribed by the relevant regulations. Candidates who refer to this preferential treatment will only be given preference under equal conditions. The list of documents required for claiming preferential treatment based on the Homeland War Veterans Act and the Civilian War Casualties Act is available at the Ministry of Croatian Veterans' website: <https://branitelji.gov.hr/pristup-informacijama/835>. Candidates applying for preferential treatment in employment under the Act on Professional Rehabilitation and Employment of Persons with Disabilities are required to refer to this entitlement in their application and provide all necessary proof of meeting the conditions, as well as proof of disability.

Incomplete or late applications will not be considered.

Both men and women may apply under the same conditions.

By submitting an application, the candidate gives consent for their personal data in the application documents to be collected and processed for the purpose of the selection process in accordance with data protection regulations, particularly with the General Data Protection Regulation (EU) 2016/679 of the European Parliament and Council.

The Faculty reserves the right to conduct testing of the candidates, and candidates who have submitted timely and complete applications will be notified in due course. The Faculty also reserves the right to cancel the call and not select any candidates. Notification of the outcome of the selection process will be published upon completion of the process at: <https://www.phy.uniri.hr/hr/>.

All applicants will be notified of the results of the selection process within 30 days after its completion. The Faculty of Physics at the University of Rijeka reserves the right to inform all applicants by email.

University of Rijeka, Faculty of Physics