

COMPETITION ANNOUNCEMENT

The Dean of the Faculty of Physics, with the consent of the Rector of the University of Warsaw, announces a competition for the position of assistant professor (F/M) ¹ in the Sonata NCN project “Photonic platform for investigations and functionalization of novel quantum emitters.”

About the project:

Title programme/project/undertaking	of	“Photonic platform for investigations and functionalization of novel quantum emitters.”
Type programme/project/undertaking	of	NCN Sonata 17
Funding institution		National Science Centre
Duration of programme/project/undertaking		60 months
Head of programme/project/undertaking		Dr Tomasz Jakubczyk
Description programme/project/undertaking	of	<p>The NCN SONATA 17 project 2021/43/D/ST7/03367, “Photonic Platform for Investigations and Functionalization of Novel Quantum Emitters,” is carried out at the Faculty of Physics, University of Warsaw. Its aim is to develop and use a tunable open optical microcavity to study and enhance the efficiency of single-photon emission from novel quantum emitters.</p> <p>The research includes the fabrication and spectroscopic characterization of emitters in semiconductor, two-dimensional, and diamond materials, as well as their coupling to a Fabry-Pérot microcavity. The project combines nanophotonics, quantum optics, and solid-state physics, and its results are expected to contribute to the development of efficient single-photon sources for quantum technologies.</p>

Position details:

Position title	Assistant profesor (post-doc)
Organisational unit	Faculty of Physics
Employment group	Research staff
Position profile ²	R2, postdoctoral researcher developing scientific independence

¹ The nouns used in the announcement apply to people of all genders.

² Complete only in the case of competition for the position in the research employment group or the research and teaching employment group.

Academic discipline ³	Physical sciences
Number of positions	1
Form of employment and length of working time (proportionally to full-time employment)	Employment contract, full-time employment
Expected date of commencement of work and employment period	15.10.2026 – 30.06.2027
Remuneration	<p>Basic remuneration: PLN 120,000.00 gross gross per year (including employer costs, seniority allowance, and additional annual remuneration, the so-called “13th salary,” in accordance with applicable regulations).</p> <p>More information: link</p>
Other working conditions	<p>Workplace: Faculty of Physics</p> <p>Career opportunities: The person employed in the post-doc position will have the opportunity to conduct independent research in nanophotonics, quantum optics, and the physics of solid-state quantum emitters, using the advanced experimental infrastructure of the Faculty of Physics, University of Warsaw. Work in the project will enable the development of competences in optical spectroscopy, microcavity systems, cryogenic measurements, data analysis, and preparation of scientific publications. Participation in scientific conferences and workshops, collaboration with national and international partners, and the opportunity to co-develop new research directions within the emerging quantum photonics platform are envisaged.</p> <p>More information: link</p>
Basic responsibilities and obligations	<p>Conducting experimental research.</p> <p>Analysis of experimental data.</p> <p>Preparation of scientific publications.</p> <p>More information: Scope of responsibilities of the academic teacher</p>
Conditions for entering the competition⁴	<ul style="list-style-type: none"> – Fulfilment of the requirements set out in Article 113 of the Law on Higher Education and Science (Journal of Laws of 2024, item 1571, consolidated text) – At the time of employment, the candidate must hold a doctoral degree in physical sciences, materials engineering, nanotechnology, photonics, optics, electronics, or related disciplines. – Meeting the NCN requirements for employing a person in a post-doc position in a research project, including the following condition: <ul style="list-style-type: none"> a) the candidate obtained their doctoral degree in the year of employment in the project or within 7 years before 1 January of the year of employment in the project. In the case of persons who have obtained more than one doctoral degree, the reference date is the date of obtaining the first doctoral degree. This period may be extended by the time spent during this period on long-term, documented sickness benefits or rehabilitation benefits connected with incapacity for work, lasting more than 90 days. In addition, this period may be extended by the number of months spent on leaves related to

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⁴ Required by the Act, the Law on Higher Education and Science, the Statute of the University of Warsaw, as well as necessary for the position.

	<p>childcare and upbringing granted under the Labour Code, and in the case of women, by 18 months for each child born or adopted, if this method of indicating career breaks is more favourable.</p> <ul style="list-style-type: none"> – The person to be employed in the post-doc position must jointly meet the following conditions: <ul style="list-style-type: none"> a) the project leader was not the supervisor or auxiliary supervisor of the candidate's doctoral dissertation; b) the candidate obtained their doctoral degree at an entity other than the entity where employment in this position is planned, or completed at least a 10-month continuous and documented postdoctoral fellowship at an entity other than the entity implementing the project and in a country other than the country where the doctoral degree was obtained; c) the candidate will be employed for a period of no less than 6 months; d) during the period of receiving this remuneration, the candidate will not receive any other remuneration from funds awarded as direct costs in research projects financed under NCN calls; e) during the period of receiving this remuneration, the candidate will not receive remuneration from another employer under an employment contract, including from an employer based outside Poland. – Documented scientific achievements appropriate to the career stage, in particular publications in peer-reviewed scientific journals. – International experience, for example participation in conferences or academic exchange. – Presentation of a plan for further research activity.
<p>In addition, we expect⁵</p>	<ul style="list-style-type: none"> – Experience in conducting experimental research in optics, photonics, spectroscopy, solid-state physics, or related areas – <p>If hired, we expect the University of Warsaw to be the primary workplace for the successful candidate.</p>
<p>Criteria for the assessment of candidates in a competition</p>	<p>1. Scientific achievements (publications, projects, presentations)</p> <ul style="list-style-type: none"> – The number and quality of scientific publications (including those in JCR-listed journals), assessed in the context of the length of the candidate's academic career – Participation in research projects (national and international) – Presentations at scientific conferences – Quality of the research project <p>2. Research experience and competencies</p> <ul style="list-style-type: none"> – Consistency of experience with the project's subject matter – Knowledge of tools, methods, and techniques relevant to the given project <p>3. Soft and organizational skills</p> <ul style="list-style-type: none"> – Communication skills and ability to work in a team – Independence in planning and conducting research – Ability to present results (both orally and in writing) <p>4. Plan for scientific and publication development</p>
<p>Position related/not related⁶ to activities covered by the protection of minors.</p>	

⁵ Additional conditions to be met; however, not meeting them will not lead to a negative formal assessment.

⁶ Delete as appropriate.

Competition rules:

Announcement reference number	WF-1210-12/2026
Keywords	– open microcavity, nanophotonics, quantum optics, quantum emitters, single-photon sources
Deadline for submitting applications⁷	3.07.2026
Method of submitting an application	Email to Tomasz.Jakubczyk@fuw.edu.pl
Required documents	<ul style="list-style-type: none">– Candidate's questionnaire link– CV– A copy or certified copy of the doctoral diploma, if the candidate holds a doctoral degree at the time of application.– If applicable, information on the planned date of obtaining the doctoral degree. The doctoral degree is required before submitting documents for employment.– A recommendation letter from at least one independent researcher. The letter should be sent directly by the person preparing it to: Tomasz.Jakubczyk@fuw.edu.pl.– Other documents that the candidate considers relevant. <p>Please ensure that your application is complete and submitted by the deadline indicated!</p>
The competition is the first stage of the recruitment process, please read the Policy of Open, Transparent and Merit-Based Recruitment at the University of Warsaw link	
Stages of competition	The competition consists of the following stages: <ul style="list-style-type: none">– Stage I - formal evaluation of documents,– Stage II - substantive evaluation on the basis of submitted documents,– Stage III - interview with selected candidates ,– Stage IV - final evaluation of competence, experience and scientific achievements,– Stage V - adjudication of the competition and announcement of results.
Anticipated date and method of notification of the competition outcomes	The competition will be concluded by 3 August 2026 . Candidates will be informed of the competition result by email.
Contact for any questions relating to the competition	Tomasz.Jakubczyk@fuw.edu.pl with the announcement reference number Accessibility needs should be indicated on the Candidate's Questionnaire, in: Other relevant information from a candidate

Employing faculty/unit:

Research profile of faculty/unit	https://www.fuw.edu.pl/
Teaching profile of faculty/unit	Description or link
Other information	https://www.fuw.edu.pl/~tojaku/

⁷ Not sooner than 30 days from the date of publication of the announcement.

The University of Warsaw has implemented the procedure for whistleblowers reporting cases of law violation and for undertaking follow-up actions. For **more information** about this topic and the processing of candidates' personal data please follow the [link](#)

The University of Warsaw is a winner of the HR Excellence in Research award granted by the European Commission to institutions adhering to the European Charter for Researchers.

