

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 (M/F) in the project “Quantum multimodal microscopy [QM3]”, QuantERA II Era-Net Cofund in Quantum Technologies, NCBR.

About the programme/project/undertaking:

Title of programme/project/undertaking	Quantum Multi-Modal Microscopy [acronym: QM3]
Type of programme/project/undertaking	QuantEra II Era-Net Cofund in Quantum Technologies
Funding institution	NCBR
Duration of programme/project/undertaking	01.03.2025 – 29.02.2028
Head of programme/project/undertaking	Dr Radosław Łapkiewicz
Description of programme/project/undertaking	The aim of the QM3 project is to significantly expand the MMM paradigm through the application of quantum optics phenomena such as two-photon entanglement, photon antibunching, and Hong–Ou–Mandel interference, together with innovative single-photon avalanche diode (SPAD) arrays. In addition, we plan to develop a novel demonstration module, ready for industrial implementation, for commercial confocal microscopes.

Position details:

Position title	Assistant Professor (M/F)
Organisational unit	Division of Optics, Institute of Experimental Physics, Faculty of Physics, University of Warsaw
Employment group	Research Group
Position profile ¹	R2
Academic discipline ²	Physical sciences
Number of positions	1
Form of employment and length of working time (proportionally to full-time employment)	Employment contract, full-time
Expected date of commencement of work and employment period	Start date: 1 August 2026, 19 months

¹ Complete only in the case of competition for the position in the research employment group or the research and teaching employment group.

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

Remuneration	Basic salary: PLN 7,045 gross/month plus supplementary remuneration of PLN 6,750 gross/month, 13th salary, and seniority allowance. More information: link
Other working conditions	Place of work: Faculty of Physics, University of Warsaw, ul. Pasteura 5, 02-093 Warsaw, Poland More information: link
Basic responsibilities and obligations	<ul style="list-style-type: none"> – Carrying out research tasks within the framework of a scientific project – Collaborating with the project leader and members of the research team – Supervising and supporting students and early-stage researchers – Contributing to the preparation of scientific publications and project reports – Presenting research results at conferences and seminars – Maintaining ongoing research documentation in accordance with project requirements – Reviewing scientific literature and updating knowledge in the field of research – Participating in the development and optimisation of experimental setups (if applicable) – Participating in specialist trainings, workshops, and seminars <p>More information: Scope of responsibilities of the academic teacher</p>
Conditions for entering the competition³	<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 PhD degree in physics, electronics, or a related field. The PhD degree must have been obtained in an institution other than the one in which the employment is planned; it should have been awarded before the start of employment and no more than 7 years prior to the year of employment. This period may be extended in the case of parental leave or sick leave – Research experience in at least one of the following areas: <ul style="list-style-type: none"> • super-resolution microscopy or imaging techniques (including in scattering media), • design, construction, and/or characterisation of optical and imaging systems, • experimental quantum optics, in particular photon correlation measurements; – Practical laboratory experience, including the execution of optical experiments as well as analysis and interpretation of measurement data; – Very good command of English, both spoken and written; – Significant scientific track record (publications, conference presentations); – International experience (research stays, scientific collaboration); – Presentation of a plan for further research activity.
In addition, we expect ⁴	<ul style="list-style-type: none"> – Experience working with light detectors (e.g. SPAD, single-photon detectors) or readiness to quickly acquire such skills – Motivation to conduct experimental research and develop new imaging methods – Ability to independently carry out scientific research, solve problems, and work within a research teamIf hired. <p>We expect the University of Warsaw to be the primary workplace for the successful candidate.</p>
Criteria for the assessment of candidates in a competition	<ol style="list-style-type: none"> 1. Assessment of preparation/qualifications relevant to the position based on previous scientific activity. 2. Knowledge of topics in super-resolution microscopy, light propagation in scattering media, and light correlations. 3. Proficiency in English, both spoken and written. 4. Evaluation of scientific experience (conference participation, presentations, collaborations, international experience, etc.). 5. Interest in the research topic and motivation for scientific work.

³ 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.

⁴ Additional conditions to be met; however, not meeting them will not lead to a negative formal assessment.

Position ~~related~~/not related⁵ to activities covered by the protection of minors.

Competition rules:

Announcement reference number	WF-1210-10/2026
Keywords	multimodal microscopy, biomedical imaging, single-photon avalanche diode (SPAD) array, fluorescence microscopy, quantum imaging
Deadline for submitting applications ⁶	12.06.2026
Method of submitting an application	Interested candidates should send their application documents in PDF format to Malgorzata.Domanska@fuw.edu.pl (email subject: "Postdoc QM3").
Required documents	<ul style="list-style-type: none">– Candidate's questionnaire link– Copy of PhD diploma or certificate confirming that the PhD degree will be obtained before the start of employment– Copy of the PhD dissertation (PDF format)– Curriculum vitae (CV)– Cover letter– List of publications, including indication of the achievement the candidate considers most significant in their scientific record (at least two scientific publications in the field of experimental optics)– List of at least two independent researchers who may be contacted by the Chair of the Selection Committee to provide an opinion on the candidate's scientific activity (and optionally also teaching or organisational activity)– Copies of other documents confirming the candidate's qualifications. Please ensure that your application is complete and submitted by the deadline indicated!

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	Candidates will be informed individually of the outcome of the competition procedure via email by 12 July 2026.
Contact for any questions relating to the competition	Malgorzata.Domanska@fuw.edu.pl , including the reference number of the announcement. Requests related to accessibility needs should be indicated in the Applicant Questionnaire, in the field: "Other important information from the candidate".

Employing faculty/unit:

Research profile of faculty /unit	https://www.fuw.edu.pl/
Teaching profile of faculty/ unit	https://www.fuw.edu.pl/
Other information	

⁵ Delete as appropriate.

⁶ 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.

