

JOB OFFER

Position in the project:	PhD student
Scientific discipline:	physics
Job type (employment contract/stipend):	stipend
Number of job offers:	1
Remuneration/stipend amount/month:	6000 PLN gross gross (PLN 6,000 net for doctoral students admitted to the Doctoral School within the limit of places)
Position starts on:	01.10.2025
Maximum period of contract/stipend agreement:	until 31.08.2028 (ending of the project)
Institution:	Faculty of Physics, University of Warsaw
Main Contractor:	dr Radek Łapkiewicz
Project title:	<p>“Spatiotemporal light shaping and photon counting cameras for microscopy.”</p> <p><i>The project is carried out within the FIRST TEAM FENG programme of the Foundation for Polish Science</i></p>
Project description:	<p>The aim of the project is to develop new imaging techniques, which will take confocal and two-photon microscopes (the most widely used 3D imaging techniques) as a starting point. We plan to modify these techniques by enriching them with an array of single photon detectors (SPAD array) and spatiotemporal beam shaping. The methods we plan to develop will enable a synergistic combination of the advantages of both SPAD array and spatiotemporal beam shaping, which may lead to a breakthrough in bioimaging.</p>
Key responsibilities include:	<ul style="list-style-type: none"> - Conducting experiments on spatiotemporal shaping of light in fluorescence microscopy - Investigating and implementing applications of SPAD (Single-Photon Avalanche Diode) detectors in fluorescence microscopy - Experimental use of femtosecond lasers in fluorescence microscopy and precise micromachining - Collaborating with research team members to achieve project objectives - Providing substantive support to students and junior researchers - Preparing scientific reports and project publications - Presenting project results at scientific seminars and conferences
Profile of candidates/requirements:	<ul style="list-style-type: none"> - Master's degree in experimental AMO Physics - status of a doctoral student of the Doctoral School at the time of signing the scholarship agreement - experience in working in an optical laboratory proven by publications - knowledge of spoken and written English
Required documents:	<ul style="list-style-type: none"> - cover letter - CV (Curriculum Vitae) - Master Thesis - 2 academic reference contacts - signed information on the processing of personal data



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We offer:	We offer the opportunity to participate in an innovative research project conducted in international collaboration with the prestigious Weizmann Institute of Science in Rehovot, Israel. The student involved in the project will have the chance to acquire advanced knowledge and skills in quantum imaging, fluorescence microscopy, spatiotemporal light shaping, as well as the application of modern technologies such as Single-Photon Avalanche Diode (SPAD) detectors and femtosecond lasers. The project also includes tasks related to sample micromachining and optimization of detection techniques, providing participants with the opportunity to develop expertise in experimental analysis, scientific report writing, and publishing results. Participation in the project ensures collaboration with an international research team and opportunities to present findings at seminars and scientific conferences.
Please submit the following documents to:	radek.lapkiewicz@fuw.edu.pl (subject: FIRST TEAM FENG Recruitment – PhD Student)
Application deadline:	10.09.2025, 11.59 pm Central European Time (GMT+1) Selected candidates will be invited to an interview which will be carried out at the Faculty of Physics of the University of Warsaw in person or online
For more details about the position please visit (website/webpage address):	https://euraxess.ec.europa.eu/jobs/369754
Euraxess job/stipend offer (in case of PhD and postdoc positions):	



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INFORMATION CLAUSE

Pursuant to Article 13 of Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of natural persons with regard to the processing of personal data and on the free movement of such data, and repealing Directive 95/46/EC (General Data Protection Regulation), University of Warsaw hereby informs:

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2. The Controller has designated the Data Protection Officer who supervises the processing of personal data, and who can be contacted via the following e-mail address: iod@adm.uw.edu.pl;
3. Your personal data will be processed for the purpose of carrying out a recruitment process and selecting an employee and concluding a contract for employment at the University of Warsaw;
4. The provided data will be processed pursuant to Article 22¹ § 1 of the Act of 26 June 1974 Labor Code (uniformed text: Dz.U. of 2018, item 917) and your consent for processing of personal data;
5. Provision of data in the scope stipulated in the Labor Code is mandatory, and the remaining data are processed according to your consent for processing of personal data;
6. The data will not be shared with any external entities;
7. The data will be stored until you withdraw your consent for processing of personal data;
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I hereby consent to have my personal data processed by the University of Warsaw with its registered office at ul. Krakowskie Przedmieście 26/28, 00-927 Warszawa for the purpose of carrying out a recruitment process and selecting an employee and concluding a contract for employment at the University of Warsaw.

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.....

(place and date)

.....

(signature of the person applying for employment)



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