

## PhD SCHOLARSHIP OFFER

Position in the project:	<b>PhD student</b>
Scientific discipline:	physics
Job type (employment contract/stipend):	stipend
Number of job offers:	2
Gross remuneration amount/month (employer's costs)	3600 PLN/month (stipend) + 3600 PLN/month (training and travel expenses) for the maximum of 36 months, plus one year PLN 3653,70/month (funded by the University).
Position starts on:	1.12.2019
Maximum period of contract/stipend agreement:	36 months within the project duration i.e. 1.12.2019-30.9.2023 (funded by the project) + one year funded by the University
Institution:	University of Warsaw, Faculty of Physics  Institute of Experimental Physics, Optics Division Warsaw, Poland
Project leader:	Dr Piotr Wasylczyk
Project title:	A platform for fast, label-free imaging, identification and sorting of leukemic cell sub-types  <b>The project is carried out within the TEAM-NET programme of the Foundation for Polish Science.</b>  The project consortium is headed by Prof. Czesław Radzewicz and the research group at the University of Warsaw is led by Dr. Piotr Wasylczyk.

Project description:	The goal of the project is to design, build and optimize a Stimulated Raman Microscopy platform, combined with a microfluidic device, for fast imaging of living blood cells. The collected data, together with a leukemia cell database, will be used to identify and sort the cells for further diagnostic and/or therapeutic applications.
Key responsibilities include:	<ol style="list-style-type: none"> <li>1. Designing, building and optimizing the Raman spectroscopy/microscopy platform.</li> <li>2. Developing new techniques for Stimulated Raman Microscopy cell imaging.</li> <li>3. Preparation of research papers and presenting the research results at international conferences.</li> <li>4. Co-supervision of BSc and MSc students.</li> </ol>
Profile of candidates/requirements:	<ol style="list-style-type: none"> <li>1. MSc degree (or equivalent) in physics, biology, biophysics, optoelectronics or similar area, or the degree must be obtained before the start of the scholarship.</li> <li>2. Documented experience in experimental science, preferably with techniques related to Raman spectroscopy and/or microscopy, data acquisition and/or processing or similar areas.</li> <li>3. Strong oral and written communication skills in English.</li> </ol>
Required documents:	<ol style="list-style-type: none"> <li>1. IRK system application, including the chosen area of studies, PESEL or passport number, citizenship, contact details (address, e-mail address, telephone number), consent for receiving the decision via electronic media and signature,</li> <li>2. MSc diploma (or equivalent),</li> <li>3. scientific CV, specifying the areas of interest and achievements so far,</li> <li>4. English language proficiency certificate or the candidate declaration that their knowledge of English is sufficient to participate in the program of the Doctoral School and work in the research project,</li> <li>5. two supervisor statements (accepting the supervision and number of other PhD students supervised),</li> <li>6. 1 photograph,</li> <li>7. personal data processing consent,</li> <li>8. reference letters (to be sent directly by their authors to the School) from at least two academics knowing the candidate.</li> </ol>
We offer:	<ol style="list-style-type: none"> <li>1. Participation in cutting-edge research</li> </ol>

	<p>2. Work at the top physics institution in central Europe</p> <p>3. Collaboration with the top groups in the field</p>
Please submit the following documents to:	<p>Scanned documents from pts. 2-5 (including the first pages of the publications) and the photo must be uploaded to the IRK system no later than on 4/11/2019.</p> <p>Originals of the documents must be delivered to the School (ul. Krakowskie Przedmieście 1, Warszawa) no later than on 4/11/2019, 2 pm CET.</p> <p>Informal enquires: Piotr.Wasylyczyk@fuw.edu.pl</p>
Application deadline:	November 4, 2019
For more details about the position please visit (website/webpage address):	<a href="http://photonics.fuw.edu.pl/">http://photonics.fuw.edu.pl/</a>
Euraxess job/stipend offer (in case of PhD and postdoc positions):	
<p>Please include in your offer:</p> <p>“I hereby give consent for my personal data included in my application to be processed for the purposes of the recruitment process under the Personal Data Protection Act as of 29 August 1997, consolidated text: Journal of Laws 2016, item 922 as amended.”</p>	