

JOB OFFER 30/2022

Position in the project:	Master student
Scientific discipline:	Physics
Job type (employment contract/stipend):	stipend
Number of job offers:	2
Remuneration/stipend amount/month	1000 PLN
Position starts on:	October 2022
Maximum period of contract/stipend agreement:	12 months (8 months with extension for the next 4 months)
Institution:	Institute of Physical Chemistry Polish Academy of Sciences ul. Kasprzaka 44/52 01-224 Warsaw
Project leader:	Prof. dr hab. Czesław Radzewicz
Project title:	"Label-free and rapid optical imaging, detection and sorting of leukemia cells" (RApID) TEAM-NET project (POIR.04.04.00-00-16ED/18-00)
Project description:	<p>The primary objective of the project is to develop the first Stimulated Raman Spectroscopy (SRS) microfluidic system for non-invasive imaging of live leukemic cells (RApID) and apply it to rapid diagnostics and assessment of chemosensitivity in vitro.</p> <p>The newly developed diagnostic instrument will fill the gap in the current diagnostic methodology of leukemia. The proposed approach will objectify and accelerate initial diagnostics and follow up of leukemia patients; in addition, such approach would be potentially automatable, opening new areas of application in leukemia research. Given the fact that initial/follow-up leukemia diagnostic work-up requires experienced, multidisciplinary approach and consumes considerable costs (>3100 USD for initial diagnostic procedures in USA), the label-free imaging of leukemic cells might significantly accelerate this process and reduce its cost.</p> <p>The research and development envisioned in this application will be conducted by the team of experts in the fields related to the Project. Partners of Consortium consist of five scientific institutions None of the essential parts of the RApID instrument (SRS microscope, microfluidic trap & release system) are commercially available, so they must be developed by the Partners within the Project.</p> <p>The employed students will be participating in constructing and testing RApID device, and in carrying out experiments planned in the project with use of the RApID device in Laser Center at IPC PAS (IPC PAS LC).</p> <ol style="list-style-type: none">1. Participation in development of novel fiber lasers and methods of light conversion for stimulated Raman microscopy.

Key responsibilities include:	<ol style="list-style-type: none"> 2. Participating in measurements of biological materials with use of SRS microscopy. 3. Data analysis.
Profile of candidates/requirements:	<ol style="list-style-type: none"> 1. Status of Master Student (in optics/photonics/physics or related disciplines) 2. Ability to independently and creatively solve technical problems 3. Good work organization 4. Responsibility and diligence 5. Knowledge of English language at least at intermediate level (B2) 6. Willing to acquire new skills and competences
Required documents:	<ol style="list-style-type: none"> 1. CV including scientific achievements (3 pages max.) 2. Motivation letter (1 page). 3. 1 recommendation letter (optional but recommended). 4. Certificates of fluency in English, if available. 5. Documents confirming the status of Master student. <p><u>Applications which not fulfill formal requirements maybe rejected without evaluation.</u></p>
Please submit the following documents to:	<p>Required documents should be send to rekrutacja@ichf.edu.pl with the email title "Recruitment no 30/2022" or by post to „Instytut Chemii Fizycznej Polskiej Akademii Nauk, ul. Kasprzaka 44/52, 01-224 Warszawa" with the title "Recruitment no. 30/2022"</p>
Application deadline:	31/08/2022
For more details about the position please visit (website/webpage address):	https://ichf.edu.pl/en/job
Euraxess job/stipend offer (in case of PhD and postdoc positions):	https://www.euraxess.pl/jobs/821244
Appeal	<p>All submitted documents will be evaluated by the Recruitment Committee. Candidates will be evaluated basing on their knowledge and scientific achievements in the area of the project, realized grants and stages, motivations, level of English and communications and interpersonal skills.</p> <p>The evaluation will be in two steps. In the first step, the submitted documents will be assessed. The best candidates will be invited to interview (in English for foreign candidates), in person or in the form of a conference call, in September 2022.</p> <p>The Recruitment Committee will take a decision by majority of votes.</p> <p>Candidates participating in the recruitment process will not be discriminated for any reason.</p> <p>The Recruitment Committee will inform candidates about the results of the recruitment no later than 7 days after the end of the recruitment process.</p> <p>All candidates have the right to appeal against the decision of the Committee within 7 days from the date of receipt of the corresponding</p>

information. The complaints may refer to procedural defects of the selection process only.

In response to the appeal, an appeal committee will be appointed, which opinion is necessary for the acceptance of recruitment reports by the Foundation for Polish Science.

For any additional information please contact dr. Katarzyna Krupa
kkrupa@ichf.edu.pl

By submitting the application you consent to the processing of your personal data in the recruitment process.

The controller of your personal data is the Institute of Physical Chemistry of the Polish Academy of Sciences with its registered office in Warsaw, NIP: 5250008755 (the "Institute"). The Institute will process your data for the purpose of carrying out scientific and research activities, providing services and contact with the Institute, on the basis of a contract (in connection with the performance of the contract or in order to take action on your request before the contract is concluded - Article 6, paragraph 1, letter b) of GDPR), the legitimate interest of the Institute (Article 6, paragraph 1, letter f) of the GDPR) and legal provisions (Article 6, paragraph 1, letter c) of the GDPR) - depending on the circumstances.

You have the right to: request access to your data, receive a copy of it; rectify (correct) it; delete it; limit its processing; transfer it; lodge a complaint to the supervisory body; withdraw your consent for processing at any time (withdrawal of consent does not affect the lawfulness of the processing carried out prior to its withdrawal) or to lodge an objection to data processing. More information is available on the Institute's website.

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