

## JOB OFFER

Position in the project:	Postdoctoral researcher
Scientific discipline:	Optics, biophysics
Job type (employment contract/stipend):	Employment contract
Number of job offers:	1
Remuneration/stipend amount/month ("X0 000 PLN of full remuneration cost, i.e. expected net salary at X 000 PLN"):	14 200 PLN gross/month
Position starts on:	1 September 2022 (and onwards, depending on applicant's availability)
<b>Maximum period of contract</b>	31/12/2023
Institution:	International Centre for Translational Eye Research (Institute of Physical Chemistry, Polish Academy of Sciences)
Project leader:	Prof. Maciej Wojtkowski
Project title:	<b>International Centre for Translational Eye Research (ICTER) (MAB/2019/12)</b> <b><i>The Project/Centre is funded within the International Research Agendas Programme of the Foundation for Polish Science. It is a collaboration between Institute of Physical Chemistry PAS and University College London, UK.</i></b>
<b>Project description:</b>	<p>The International Center for Translational Eye Research (ICTER) is a multi-investigator center for eye research as related to imaging and biochemical techniques to support advances in understanding the etiology and treatment and human blinding diseases. Further information on the research priorities and current expertise of our Center can be found at <a href="http://www.icter.pl">http://www.icter.pl</a>.</p> <p>ICTER is looking for candidates with a PhD degree experienced in physics, optics and photonics, and biomedical engineering data analysis. Candidates should be interested in translational research and the development of new therapies to cure blindness or other diseases. The postdoctoral researcher will have a direct impact on lab development and its success in publishing in high impact factor journals. The person will be also responsible for performing dynamic research to create a competitive research group. The position will be assigned to Optical Imaging Group led by Prof. Maciej Wojtkowski, focused on developing new imaging techniques aiming at achieving speckle-less imaging based on full-field swept-source optical coherence tomography, for diagnosis, screening and monitoring of blinding eye diseases.</p>
<b>More information on the research agenda:</b>	<a href="https://icter.pl/about/">https://icter.pl/about/</a>

<p>Key responsibilities include:</p>	<ol style="list-style-type: none"> <li>1. Implementation and development of data processing algorithms (Matlab/Python/C++)</li> <li>2. Expanding the functionality of ICTERS's OCT data viewing software (C++/C#)</li> <li>3. Development of instrumentation for eye imaging</li> <li>4. Performing measurements</li> <li>5. Performing data analysis</li> <li>6. Writing publications and reports</li> <li>7. Active participation in conferences</li> <li>8. Assisting students</li> </ol>
<p>Profile of candidates/requirements:</p>	<ol style="list-style-type: none"> <li>1. PhD diploma in physics, photonics, engineering, or similar field obtained not earlier than 1 January 2017</li> <li>2. Experience in biophotonics and interferometry</li> <li>3. Experience with spatial light modulators</li> <li>4. Good knowledge of MATLAB or Python</li> <li>5. Good knowledge of C# and C++</li> <li>6. Experience in working with Unity 3D and Mixed Reality Toolkit</li> <li>7. Experience in working with CUDA and OpenMP</li> <li>8. Good knowledge of the OpenCV library</li> <li>9. Good knowledge of Git version control system</li> <li>10. Excellent communication and organizational skills</li> <li>11. Analytical and critical problem-solving skills mindset</li> <li>12. Proficiency in English, both spoken and written</li> </ol>
<p>Key evaluation criteria:</p>	<ul style="list-style-type: none"> <li>• competences of the candidate with respect to specific tasks in a research project</li> <li>• previous educational/scientific achievements of the candidate</li> <li>• awards and distinctions of the candidate</li> </ul>
<p>Required documents:</p>	<ol style="list-style-type: none"> <li>1. CV (including list of projects)</li> <li>2. Cover letter</li> <li>3. Copy of PhD diploma (or equivalent)</li> </ol>
<p>We offer:</p>	<ol style="list-style-type: none"> <li>1. Full-time employment contract</li> <li>2. Opportunity to work in an innovative scientific environment</li> <li>3. International cooperation with experienced researchers</li> <li>4. Competitive salary</li> <li>5. Access to well-staffed core facilities</li> </ol>
<p>Please submit the required documents to:</p>	<p><a href="mailto:icter_jobs@ichf.edu.pl">icter_jobs@ichf.edu.pl</a></p> <p>Kindly specify in the application topic: <b>Recruitment no. MCBO 66/2022</b></p>
<p>Application deadline:</p>	<p><b>23 August 2022, 12pm GMT+2</b></p> <p>Successful candidates fulfilling the main eligibility criteria and qualifications will be invited for an interview, which will be scheduled between 23-25 August 2022. Competition results shall be announced by the end of August 2022.</p> <p>The International Centre for Translational Eye Research (Institute of Physical Chemistry PAS) is committed to employment equality (esp. European Charter for Researchers and the Code of Conduct for the Recruitment of Researchers) and welcomes applications from all qualified candidates fulfilling the requirements specified in this announcement.</p>

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For more details about the position please visit (website/webpage address):

[www.icter.pl](http://www.icter.pl) or contact Anna Salamończyk (asalamonczyk@ichf.edu.pl)

Euraxess job/stipend offer (in case of Ph.D., postdoc, leader and young leader positions):

<https://euraxess.ec.europa.eu/jobs/822045>

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The controller of your personal data is the International Centre for Translational Eye Research with its registered office in Warsaw, NIP: 1080023333 (the "ICTER"). ICTER will process your data for the purpose of carrying out scientific and research activities, providing services and contact with ICTER, 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 ICTER (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.

[http://www.icter.pl/blob/ICTER\\_GICR.pdf](http://www.icter.pl/blob/ICTER_GICR.pdf)