



CENT-32-2025

## JOB OFFER

Position in the project:	Research Group Leader (assistant professor in the research academics group ) <sup>(*)</sup>
Researcher's profile according to the European Council's recommendations:	R2 or R3
Scientific discipline:	Physical sciences
Keywords:	quantum optics, quantum memories, quantum sensors, quantum communication, quantum technologies
Job type (employment contract/stipend):	Full-time contract of employment
Number of job offers:	1
Remuneration/month:	Max. 30.000 PLN remuneration cost per month (includes "thirteenth salary" bonus), i.e. approx. max. 25.000 PLN gross salary per month (includes "thirteenth salary" bonus)
Position starts on:	Possible start on 01.11.2025 (or later)
Maximum period of contract/stipend agreement:	Until 30.09.2029 Possible extension until the end of 2029
Institution:	Centre for Quantum Optical Technologies, Centre of New Technologies, University of Warsaw
Project:	Quantum Optical Technologies / Optyczne Technologie Kwantowe <b>FENG.02.01-IP.05-0017/23</b>
Project description:	<p><b>The Quantum Optical Technologies project explores applications of quantum technologies in sensing, communication and computing.</b></p> <p><b>Project and QOT website:</b> <a href="https://qot.cent.uw.edu.pl/">https://qot.cent.uw.edu.pl/</a>  <b>CeNT website:</b> <a href="https://cent.uw.edu.pl/">https://cent.uw.edu.pl/</a></p> <p>The "Quantum Optical Technologies" (FENG.02.01-IP.05-0017/23) project is carried out within the Measure 2.1 International Research Agendas programme of the <b>Foundation for Polish Science</b> co-financed by the European Union under the European Funds for Smart Economy 2021-2027 (FENG).</p> <p>The candidates are welcome to inquire about the project details, research agenda and organizational issues. The questions should be sent by email to: <a href="mailto:got@cent.uw.edu.pl">got@cent.uw.edu.pl</a></p>
Key responsibilities include:	<ul style="list-style-type: none"> <li>- The candidate will be responsible for the <b>Group III: Quantum Sensors</b> part of the research agenda, with a strong focus on theoretical modelling and simulations. The particular topics listed in the research agenda include: <ul style="list-style-type: none"> <li>- Dynamical models for controllable quantum devices</li> <li>- Quantum benchmarks for complex and multi-sensor tasks</li> <li>- Signal-processing tools for the control of quantum sensors</li> <li>- Numerical toolbox for simulation and inference in sensing protocols</li> </ul> </li> <li>- The candidate will be responsible for implementation of related milestones, in cooperation with other group leaders.</li> <li>- The candidate will be expected to conduct world-class research oriented towards applications of quantum optical technologies</li> </ul>



	<ul style="list-style-type: none"> <li>- The candidate will be expected to apply for external funding from top agencies, including NCN or ERC</li> <li>- The candidate will contribute to the research agenda and lead the research of their team</li> </ul> <p>The position offered will not be related to activities covered by the protection of minors.</p>
Profile of candidates/requirements:	<p>The candidate must meet the criteria specified in the UW statute and the act specified for a given position:</p> <ul style="list-style-type: none"> <li>- PhD degree in physics (or other discipline related to the research agenda) awarded at least on the day of the deadline for this call</li> <li>- Proficiency in English; knowledge of Polish is a plus</li> <li>- Significant scientific achievements</li> <li>- Experience in leading a research team or potential to be a leader</li> <li>- Experience in the implementation of research projects - acting as a PI or co-investigator</li> <li>- Openness to internal and external collaborations</li> <li>- The candidate's experience in the commercialisation of research results and collaboration with the economy would be an advantage</li> <li>- Experience as a dissertation supervisor or assistant supervisor for doctoral theses would also be an advantage</li> <li>- The candidate will not hold any other positions (work contracts) at other entities than University of Warsaw. Maximum commitment to all projects at UW and other units may not exceed 276h monthly.</li> </ul>
Required documents:	<ol style="list-style-type: none"> <li>1. Grouper leader CV in the format given by attachment, filled <b>in both in Polish and English</b>, as required by the MAB FENG grant competition rules: <ol style="list-style-type: none"> <li>a. <a href="https://got.cent.uw.edu.pl/wp-content/uploads/2025/04/Grouper_Leader_CV_EN.docx">https://got.cent.uw.edu.pl/wp-content/uploads/2025/04/Grouper_Leader_CV_EN.docx</a></li> <li>b. <a href="https://got.cent.uw.edu.pl/wp-content/uploads/2025/04/Group_Leader_CV_PL.docx">https://got.cent.uw.edu.pl/wp-content/uploads/2025/04/Group_Leader_CV_PL.docx</a></li> </ol> </li> <li>2. Cover letter/motivation letter, in particular outlining research plans and availability to start the job</li> <li>3. Extended curriculum vitae with research records, including a list of all publications (3-5 pages)</li> <li>4. Contact details of three senior scientific referees</li> <li>5. Copy of the PhD diploma or another certificate of obtaining the PhD; Holders of Polish habilitation (dr hab.) should include relevant documentation as well.</li> <li>6. <u>Scanned and signed declaration confirming that the candidate has read and accepted the rules of conducting competitions</u>, covered in the following documents: <ol style="list-style-type: none"> <li>a. <a href="#">Ordinance No. 27 of the Rector of the University of Warsaw</a></li> <li>b. <a href="#">Paragraph 126 of the Resolution No. 443 of the Senate of the University of Warsaw</a></li> <li>c. <a href="#">Ordinance No. 94 of the Rector of the University of Warsaw</a></li> </ol> </li> <li>7. Consent clause for processing personal data in the application process, signed and scanned, or electronically signed, that can be downloaded from <a href="https://got.cent.uw.edu.pl/wp-content/uploads/2025/04/RODO.pdf">https://got.cent.uw.edu.pl/wp-content/uploads/2025/04/RODO.pdf</a></li> <li>8. Statement – pursuant to article 113 of the Act of 20 July 2018 Law on Higher Education and Science, signed and scanned, or electronically signed, that can be downloaded from: <a href="https://got.cent.uw.edu.pl/wp-content/uploads/2025/05/Statement-pursuant-to-article-113-of-the-Act-of-20-July-2018-Law-on-Higher-Education-and-Science.pdf">https://got.cent.uw.edu.pl/wp-content/uploads/2025/05/Statement-pursuant-to-article-113-of-the-Act-of-20-July-2018-Law-on-Higher-Education-and-Science.pdf</a></li> </ol> <p>Please familiarize yourself with the <a href="#">Open, Transparent, Merit-based Recruitment Policy</a>.</p>
Candidate evaluation criteria(*):	<p>The criteria for the evaluation of research team leaders under the MAB FENG (International Research Agenda) focuses on the achievements and experience of the leaders. A number of aspects are taken into account, such as scientific achievements, publication record, participation in research projects, experience in leading teams and commercialisation of results.</p>
We offer:	<p>The QOT project in particular offers:</p> <ul style="list-style-type: none"> <li>- Possibility to apply for additional internal or external funding</li> </ul>



	<ul style="list-style-type: none"> <li>- Leadership over an independent research group</li> <li>- Open Access publishing support</li> <li>- Funds to conduct applied research (TRL&gt;1) in the domain of quantum optical technologies</li> <li>- Possibility to submit patent applications within the project</li> <li>- Funds to employ at least 2 other researchers, e.g. 1 postdoc and 1 PhD student</li> <li>- Funds for travel to conferences or seminars in order to present project results</li> <li>- Possibility to conduct research/teaching project in collaboration with students within the scope of studies at Faculty of Physics, University of Warsaw</li> <li>- Office space for the team in CeNT I building</li> <li>- Possibility to collaborate with existing experimental groups</li> <li>- Access to training and career development opportunities at UW</li> <li>- Access to computational resources at CeNT</li> </ul> <p>Please learn more about <a href="#">career development opportunities</a> at the University of Warsaw.</p> <p>University of Warsaw strongly values the diversity of candidates and is very committed to the equality of opportunity (<a href="https://rownowazni.uw.edu.pl/en/diversity-equality-inclusion/">https://rownowazni.uw.edu.pl/en/diversity-equality-inclusion/</a>).</p> <p>The University of Warsaw also has internal regulations specifying support to people with disabilities (<a href="https://bon.uw.edu.pl/en/about-us/regulations/">https://bon.uw.edu.pl/en/about-us/regulations/</a>).</p> <p>Please note that currently within the QOT project <b>we cannot offer</b>:</p> <ul style="list-style-type: none"> <li>- any laboratory space or laboratory equipment,</li> <li>- funds for any purchases not listed in the research agenda,</li> <li>- funds for inviting external collaborators,</li> <li>- purchasing equipment,</li> <li>- funds for fundamental research (TRL=1).</li> </ul>
Please submit the following documents to:	Please send the application via email to <a href="mailto:got-jobs@cent.uw.edu.pl">got-jobs@cent.uw.edu.pl</a> with "[Group Leader]" and possibly other relevant data included in the title.
Application deadline:	01.09.2025
Date of announcing the results and method of notification about the results(*):	<p>It is planned that the candidates will be notified about the outcome of the first stage of recruitment process by mid-September 2025. The information about the results of the selection procedure will be sent by email. Interviews (remote or in person) for short-listed candidates are planned for the second half of September 2025.</p> <p>The competition is the first stage of the procedure of recruitment for academic teachers set out in the Statute of the University of Warsaw, and its positive result provides a basis for further proceedings.</p> <p>The competition is addressed to people of all genders, and people with disabilities or special needs can report needs related to ensuring accessibility in the recruitment process</p>
For more details about the position please visit (website/webpage address):	<a href="https://got.cent.uw.edu.pl/career/">https://got.cent.uw.edu.pl/career/</a>

(\*) – data required by the internal regulations of the institution.