

## JOB OFFER

Position in the project:	Leader of the Research Team
Scientific discipline:	Medical Physics,
Job type (employment contract/stipend):	Contract of employment
Number of job offers:	1
Remuneration/stipend amount/month:	PLN 240,000 full costs (one year) / indicative net amount PLN 13 500
Position starts on:	02/12/2019
Maximum period of contract/stipend agreement:	02/12/2019 – 30/09/2023
Institution:	Department of Physics , Faculty of Materials Science and Physics , Krakow University of Technology, Krakow
Project leader:	Tomasz Szumlak, prof. AGH (regardless of the host institution)
Project title:	<p>A reconfigurable detector for measuring the spatial distribution of radiation dose for applications in the preparation of individual patient treatment plans (POIR.04.04.00-00-15E5/18)</p> <p><b><i>The project is being implemented as part of the Team-Net program of the Foundation for Polish Science</i></b></p>
Project description:	<p>The tasks of the research team led by the leader will include the development of innovative methods for assessing the quality of the planned dose in tele- radiotherapy, the development of three-dimensional print technology of reconfigurable detector elements and development of simulation methods for physical phenomena occurring in the absorption of ionizing radiation in the detector .</p> <p>The budget for the Krakow University of Technology for the project implementation is PLN 4,464,000, including funds in the amount of PLN 960,000 for the leader's (full costs) salary, PLN 2,120,000 (total costs) for the salaries of research team members headed by the leader (three full-time post-docs positions, one PhD student, 2 x 1/2 full-time positions for people with a doctoral degree).</p>

Key responsibilities include:	<ol style="list-style-type: none"> <li>1. Design and production (3D printing) of single- and multi-cell detector heads adapted to work with liquid scintillation material</li> <li>2. Design and implementation of software for the analysis of measurement data and reconstruction of the spatial distribution of the dose deposited in the scintillation detector</li> <li>3. Participation in test beam experiments using therapeutic devices at the Oncology Center</li> </ol>
Profile of candidates/requirements:	<ol style="list-style-type: none"> <li>1. Summary of her/his scientific achievements in the discipline of biomedical engineering , supported by publications in renowned international journals</li> <li>2. The candidate should have scientific achievements strictly related to the subject of research conducted as part of the project i.e., designing tools and methods for conducting geometric tests of linear accelerators, quality control in radiotherapy in the scope of evaluation of planned dose and image analysis .</li> <li>3. The candidate is also expected to experience working on research projects funded by government or European funds , including projects in the field of biomedical engineering in supporting quality control in radiotherapy .</li> <li>4. An additional advantage will be international patents or patent applications of the candidate, including methods and tools supporting quality control in radiotherapy .</li> </ol>
Required documents:	<p>According to the regulations of the Team-Net project, point 5.2.5 (regulations available on the website of the Foundation for Polish Science )</p> <ol style="list-style-type: none"> <li>1. CV of the candidate.</li> <li>2. Up to five attachments to assess the most important scientific and / or implementation achievements of the last 10 years, which are: full publication texts (in the original language) or full texts of patents (in the original language, achievements cannot be patent applications) or descriptions of concrete realised setups.</li> <li>3. Description of the novelty of the research carried out so far and the most important results of recently completed research projects (up to 3 A4 pages).</li> <li>4. Detailed plan and research methods that will be the subject of R &amp; D work of a research team led by a given person as part of the project together with an indication (if applicable) of foreign scientific partners with whom it intends to cooperate within</li> </ol>

the implemented project (up to 4 A4 pages) .

5. Description of any other achievements, including a list and description of projects in which the candidate was a manager or contractor, a list of publications, a list of patents and patent applications .

In addition, the following documents are required

6. Signed additional documents, which are : regulations of the competition for the position of the Leader of the Research Team, information clause and consent to the processing of personal data by Cracow University of Technology.

It is possible to submit appeals from negative recruitment results, which participants of the recruitment process have the right to submit within 7 days of receiving feedback from the KNG or the Recruitment Committee. Appeals will be considered by a specially appointed Appeals Commission

We offer:

Please submit the following documents to:

[szumlak@agh.edu.pl](mailto:szumlak@agh.edu.pl)

Application deadline:

23/11/2019

Euraxess job/stipend offer (in case of PhD and postdoc positions):

<https://euraxess.ec.europa.eu/jobs/432440>

## **INFORMATION CLAUSE**

According to art. 13 para. 1 and par. 2 of the General Regulation on the Protection of Personal Data of 27 April 2016 (RODO) \* is hereby notified that case of applying to job positions announced on the PK website:

1. administrator of personal data is Cracow University of Technology. Tadeusza Kościuszki with headquarters in Krakow at ul. Warszawska 24, 31-155 Kraków,
2. contact with data protection inspector at the Cracow University of Technology Tadeusz Kościuszko - phone no. 12 628 22 37, e-mail: [iodo@pk.edu.pl](mailto:iodo@pk.edu.pl) ,
3. personal data will be processed for recruitment to work on PK,
4. personal data will be processed on the basis of art. 6 (1) point c according to the General Data Protection Regulation (GDPR), in particular on the basis of:
  - o Act of 20.07.2018 Law on higher education and science (Journal of Laws of 2018 item 1668)
  - o The Act of June 26, 1974. Labor Code (Journal of Laws of 2018, item 917, as amended )
5. personal data will be kept for the duration of the recruitment specified in the advertisement,
6. the applicant has the right to access their data and the right to rectify, delete, limit processing, the right to data transfer, the right to raise objections, the right to withdraw consent at any time without affecting the compliance with the right of processing, which was made on the basis of consent before its withdrawal,
7. the applicant has the right to file a complaint with the POTODO when he / she considers that the processing of personal data violates the provisions of the general regulation on the protection of personal data of 27 April 2016,
8. providing the personal data by the applicant is a statutory requirement / condition for the conclusion of the contract,
9. when processing personal data provided, there is no automated decision making.

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*Date and signature of the candidate*