


JOB OFFER

Position in the project:	PhD candidates - Assistant Research (PL form "Asystent") Novel Radiopharmaceuticals for Medical Applications
Scientific discipline:	organic or inorganic chemistry, biology, biotechnology, pharmacy
Job type (employment contract/stipend):	full-time employment
Number of job offers:	2
Remuneration/stipend amount/month (*X0 000 PLN of full remuneration cost, i.e. expected net salary at X 000 PLN*):	7,000 PLN per month (at current exchange rate 1,450 € per month); the details in each case depend on qualifications and experience, and the compensation is composed of the base salary and seniority addition, project bonus). Read more about contributions in Poland at https://www.ncbj.gov.pl/en/hrcareer/contributions-poland
Position starts on:	January 1st, 2023
Maximum period of contract/stipend agreement:	One year initial employment with extension after a positive evaluation
Institution:	NOMATEN CoE, National Centre for Nuclear Research (NCBJ)
Project leader:	Prof. Mikko Alava
Project title:	<i>This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 857470 and Foundation for Polish Science International Research Agenda PLUS programme grant No MAB PLUS/2018/8 co-financed by the European Union under the European Regional Development Fund the Smart Growth Operational Programme.</i>
Project description:	 <p>Centre of Excellence in Multifunctional Materials for Industrial and Medical Applications</p> <p>NOMATEN Centre of Excellence (CoE) is formed through a scientific partnership between the National Centre for Nuclear Research (NCBJ-Poland), the French Alternative Energies and Atomic Energy Commission (CEA-France) and the Technical Research Centre of Finland (VTT-Finland) with joint financial support from the Foundation for Polish Science (FNP) and the European Commission. It is currently composed of 5 Research Groups and is directed by Mikko Alava. NOMATEN CoE focuses research on the development and assessment of innovative multifunctional materials for industrial and medical applications, and linked to the latter, is currently growing the "Radiopharmaceuticals" group.</p> <p>Its ambition: to build a team composed of world-leading researchers and young, highly motivated people who are passionate about developing of novel diagnostic and therapeutic approaches to defeat cancer disease.</p> <p>More info about NOMATEN CoE and the detailed project descriptions at http://nomaten.ncbj.gov.pl</p>
Key responsibilities include:	PhD students will work on new approaches for stable coupling of medically useful radionuclides

	<p>to biomolecules (monoclonal antibodies or their fragments, peptides and organic small molecules) either through chelating agents, prosthetic groups or nanoparticles, e.g. micelles, liposomes or inorganic/organic nanoparticles. Various diagnostic (^{18}F, ^{89}Zr, ^{68}Ga, $^{99\text{m}}\text{Tc}$, ^{44}Sc etc) and therapeutic (^{90}Y, ^{177}Lu, ^{131}I, ^{225}Ac, ^{227}Th etc) radionuclides will be used. The synthesized radiolabelled compounds will be purified with utilization of preparative analytical methods such as dialysis, size exclusion or reversed-phase high-performance chromatography (SEC or RP-HPLC) and others. Radiolabelled biomolecules will be tested <i>in vitro</i> for their biological properties, including immunoreactivity, receptor binding affinity and specificity assays on tumour cells, cytotoxicity tests (e.g. cell proliferation, clonogenic assay, DNA double-strand break analysis), 3D cell culture etc. Also <i>in vivo</i> imaging and biodistribution studies are planned.</p> <p>Research studies will be done in close collaboration with the research team of Radioisotope Centre POLATOM at NCBJ, a worldwide known manufacturer of radiopharmaceuticals, as well as with prominent scientists in the field of radiopharmaceutical sciences from CEA/JOLIOT partners in France and VTT in Finland.</p>
<p>Profile of candidates/requirements:</p>	<p>Positions exist on the PhD student level in NOMATEN Research Group „Radiopharmaceuticals” (leader dr. hab. Marek Pruszyński) related to conducting studies in the field of development of novel diagnostic and therapeutic radiopharmaceuticals, starting from the reactor and cyclotron production of theranostic radionuclides and their separation from irradiated targets; through radiolabelling of various biomolecules or nanostructures; up to preclinical <i>in vitro</i> and <i>in vivo</i> evaluation demonstrating their diagnostic potential or therapeutic efficacy.</p> <p>Master of Science or equivalent.</p> <p>The recruitment is open to candidates who, at the time of submitting their applications, do not have a diploma confirming MSc, but who have a fixed date for obtaining this title before the planned date of employment.</p> <p>Preferred background: chemistry, radiochemistry, biology, biotechnology, pharmacy or related.</p> <p>During their employment, the PhD candidates will be required to timely fulfil all the obligations connected with the process of obtaining the Doctoral degree in the chosen scientific disciplines (such as evaluation, passing exams, participating in lectures and other activities).</p>
<p>Required documents:</p>	<p>The application must include the following documents in English:</p> <ol style="list-style-type: none"> 1. cover letter that explains the motivating factors for considering the position (max. 1 pp), 2. CV with complete publication list, 3. brief description of important scientific achievements and scientific outlook, 4. a list of 2 reference persons including their positions and contact details (e-mail address), 5. MSc diploma copy/scan or documents that prove that there is a fixed date for obtaining the title.
<p>We offer:</p>	<p>Location: National Centre for Nuclear Research (NCBJ), ul.Andrzeja Sołtana 7, 05-400 Otwock, Poland (Suburb of Warsaw, efficient and free daily bus transport service provided).</p>

	<p>Work in international network with research institutes and industrial companies.</p> <p>Access to the research potential of NOMATEN's three partners between NCBJ (Poland), CEA (France) and VTT (Finland).</p> <p>Some of the positions are for joint collaborative research with NOMATEN partners CEA (France) and VTT (Finland) and thus include extensive visits to the collaborating institution.</p> <p>Travel funds for participation in conferences and collaboration, attractive working conditions, atmosphere of teamwork, family-friendly environment with flexible working hours, support of an experienced local team in legal, financial and organisational issues as well as logistic support and advice related to working in Poland - enabling smooth relocation and equal opportunities.</p>
Please submit the following documents to:	magdalena.jedrkiewicz@ncbj.gov.pl
Application deadline:	November 30th, 2022
For more details about the position please visit (website/webpage address):	<p>The National Centre for Nuclear Research is awarded by "HR Excellence in Research". Recruitment in NOMATEN is based on OTM-R system (Open, Transparent and Merit-based recruitment practices in Research Performing Organisations).</p> <p>Candidates may be asked to provide additional documents. In the selection process, short-listed candidates will be interviewed in person or remotely.</p> <p>https://nomaten.ncbj.gov.pl/phd-candidates-assistant-research-pl-form-asystem-novel-radiopharmaceuticals-medical-applications</p> <p>Contact person: dr hab. Marek Pruszyński, Research Group Leader (marek.pruszynski@ncbj.gov.pl)</p>
Euraxess job/stipend offer (in case of PhD, postdoc, leader and young leader positions):	https://euraxess.ec.europa.eu/jobs/858099

As an attachment to your application please sign and enclose the following declarations:

I agree to the processing of my personal data included in this application for the needs necessary to carry out the recruitment.

INFORMATION CLAUSE ON PERSONAL DATA PROCESSING:

1. The controllers of the personal data processed during the recruitment process are:
 - 1) National Center for Nuclear Research, ul. Andrzeja Sołtana 7, 05-400 Otwock and
 - 2) Foundation for Polish Science, ul. I. Krasickiego 20/22, 02-611 Warszawa.
2. The data protection officer can be contacted by using the following address:
 - 1) Personal Data Protection Officer, National Centre for Nuclear Research, Sołtana 7, 05-400 Otwock, Poland
 - 2) iod@ncbj.gov.pl

3. Providing data contained in recruitment documents is a condition for applying for a job at NCBJ.
4. Processing of the personal data for the purpose of filling the position listed in this announcement and to conduct subsequent recruitment is done on the basis of expressed consents. You have the right to withdraw your consent at any time, without affecting the lawfulness of the processing based on consent before its withdrawal.
5. Your personal data will not be made available to other data recipients.
6. Your personal data will not be transferred to a third country or to an international organization.
7. No automated individual decision-making and profiling as referred in Article 22 (1) and (4) GDPR is done during recruitment conducted by NCBJ. This means that no decisions regarding job candidates are made automatically and that no job candidate profiles are made.
8. In the case you have been unsuccessful in applying for the position listed in this announcement and you haven't given consent to store the collected personal data in the NCBJ recruitment database, your data will be erased no later than 12 years from the completion of recruitment process, but no longer than the date of the end of the durability period of the project, which will find its basis in the provisions governing project financing.
9. You have the right to access your personal data, request its rectification or erasure. Filing a request to erase data is tantamount to withdrawal from the recruitment process. You have also the right to request restriction of processing in cases specified in Article 18 GDPR.
10. You have the right to lodge a complaint with a supervisory authority (President of the Office for Personal Data Protection) about unlawful processing of your personal data. The right to file a complaint only concerns the lawfulness of the processing of personal data, not the recruitment process.