NOW HIRING

Postdoc positions
Novel Radiopharmaceuticals for Medical Applications

National Centre for Nuclear Research (NCBJ), Poland

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.

2 positions exist on the Post-Doc 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 *in vitro* and *in vivo* evaluation demonstrating their diagnostic potential or therapeutic efficacy.
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.

Requirements:

- PhD in chemistry, biology, biotechnology or related field;
- documented scientific achievements in the form of peer-reviewed articles in JRC journals;
- fluent English, spoken and written, enabling efficient communication and preparation of scientific articles;
- strong motivation for scientific work and assimilation of new knowledge and technical skills;
- good interpersonal and communication skills, to be able to work in a multi-cultural environment both independently and as a part of a team.

Would be appreciated experience in the field of:

- work with open radioactive sources;
- attaching various compounds to biomolecules;
- analytical methods (e.g. dialysis, HPLC);
- cell culture and cellular research (e.g. toxicity/proliferation assays, work with a flow cytometer, work with a fluorescence or confocal microscope).

Description of tasks:

- participation in experimental work conducted in the NOMATEN Research Group related to studies on development of diagnostic and therapeutic radiopharmaceuticals based on targeting biomolecules or nanoparticles as carriers for various radionuclides;
- development of new approaches for stable coupling of medically useful radionuclides to biomolecules either through chelating agents, prosthetic groups or nanoparticles;
- performing of *in vitro* cell assays and *in vivo* imaging or biodistribution studies;
- supervision over ongoing doctoral and master’s theses;
- writing projects, reports, publications and conference abstracts.

Instructions to applicants:

The following documents should be sent:

- cover letter that explains the motivating factors for considering the position (max. 1 pp),
- CV with complete publication list,
- brief description of important scientific achievements and scientific outlook (max. 2 pp),
- two references letters, arranged by applicants and directly submitted by the letter writers before the application deadline,
- PhD diploma copy/scan

The recruitment is open to candidates who, at the time of submitting their applications, do not have a diploma confirming PhD, but who have a fixed date for obtaining this title before the planned date of employment. In this case, it is necessary to provide documents prove that.

- As an attachment to your application please sign and enclose the following declaration: *I agree to the processing of my personal data included in this application for the needs necessary to carry out the recruitment*.

We offer:

- 11,250 - 15,000 PLN per month (at current exchange rate 2,400-3,200 € per month); the details in each case depend on qualifications and experience, and the compensation is composed of the base salary, seniority addition, functional addition and project bonus). Read more about contributions in Poland at https://www.ncbj.gov.pl/en/hrcareer/contributions-poland.
- 2 years initial employment with extension after a positive evaluation.
- Work in international networks with research institutes and industrial companies.
- Access to the research potential of NOMATEN’s three partners between NCBJ (Poland), CEA (France) and VTT (Finland).
- 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.
- 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.

Applications should be sent before December 14th, 2021 to:
magdalena.jedrkiewicz@ncbj.gov.pl

Read more about required documents and NOMATEN www.nomaten.ncbj.gov.pl

HR EXCELLENCE IN RESEARCH

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).

European Funds Smart Growth | Republic of Poland | European Union Horizon 2020 Framework Programme | European Union European Regional Development Fund