

INSTITUTION National Centre for Nuclear Research

CITY Otwock-Świerk

POSITION Postdoc

DISCIPLINE materials engineering

POSTED 18.02.2026

EXPIRES 11.03.2026

WEBSITE <https://www.ncbj.gov.pl/en/praca/adiunkt-postdoc-lbm495>

KEY WORDS spectroscopic methods

DESCRIPTION (field, expectations, comments):

The National Centre for Nuclear Research opens the competition for the position of

Postdoc (LBM_495)

Localization: Otwock - Świerk - in the outskirts of Warsaw with daily transport services provided.

Description of tasks:

- Conducting research on engineering materials in the Materials Research Laboratory, with particular responsibility for structural characterization of materials using spectroscopic methods (ICP-MS, elemental analyzers, FTIR spectroscopy, Raman spectroscopy, and related techniques)
- Operation, supervision, and oversight of selected research facilities, including the execution of planned processes/tests, routine equipment maintenance, diagnostics, and liaison with technical service providers, etc.
- Preparation of reports, scientific publications, and conference and seminar presentations (in Polish and English)
- Active application for funding of scientific research projects (in Polish and English)
- Close collaboration with other research groups within the LBM Laboratory and NCBJ, as well as with external partners
- participation in the implementation of scientific research projects and/or industrial contracts
- Participation in activities related to the expansion and modernization of the laboratory's research infrastructure
- procurement of supplies and equipment for laboratory needs



- Academic supervision of junior staff and training of new personnel

Requirements for the candidate:

- PhD degree in materials engineering, physics, mechanics, or a related discipline
- Scientific experience demonstrated by published scientific papers
- Knowledge of materials engineering, solid-state physics, and spectroscopic measurement techniques used in materials research
- Experience in research and laboratory work
- Strong analytical skills – conducting research using various measurement techniques and analyzing the obtained results and measurement data
- Knowledge of sampling methods and sample preparation for materials testing
- Systematic approach to work, high personal standards, and good organizational skills
- Ability to conduct research independently, with initiative, commitment, and creativity
- Strong communication skills and ability to work in a team
- Openness to taking on new challenges
- Willingness to continuously improve qualifications, with a strong sense of responsibility
- Fluent command of English, both spoken and written

Additional requirements:

- Published scientific papers related to research using the above-mentioned spectroscopic techniques
- Ability to prepare grant applications, confirmed by successfully awarded project funding
- Experience in scientific supervision of PhD students or junior staff members
- Completed scientific research internships or fellowships
- Experience working in laboratories operating under a quality management system compliant with PN-EN ISO/IEC 17025

Required documents:

- CV with a clause: "I consent to the processing of my personal data contained in my job application for the purposes necessary to carry out the recruitment process"
- A scan/ copy of degree diploma
- Full publication list
- A list of 2 reference persons including their positions and contact details (e-mail address)
- A brief description of important scientific achievements and scientific outlook (max. 2 pp)
- Research plans
- Cover letter (1 page)



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- Any other possible documents that might influence the assessment.

We offer:

- employment in one of the largest research Institute in Poland
- good learning environment. Support of an experienced team
- external and internal trainings in hard and soft skills as well as participation in conferences
- personal and professional development with diverse range of tasks and challenges
- stable working conditions without overtimes and friendly atmosphere
- working with cutting edge technology at one of the largest supercomputer centers in Poland
- company transport from Warsaw to Świerk and backwards (more information: <https://bus.swierk.pl/rozklad-jazdy/>)

Contact:

dr inż. Małgorzata Frelek-Kozak, e-mail: malgorzata.frelek@ncbj.gov.pl

The application documents in electronic form should be sent to:

malgorzata.frelek@ncbj.gov.pl

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

I agree for my personal data included in the application documents to be processed by National Centre for Nuclear Research with its registered office in Otwock, 7 Andrzej Sołtan Street, 05-420 Otwock, for a period of 12 months from their submission, in order to carry out future recruitment processes.

Others information:

We reserve the right to contact only selected candidates & the right to inform about the decision to fill the post only to the selected candidate.

At NCBJ there is the internal procedure for the report of breaches of law. Anyone interested in its content can access it at any time on the website: <https://www.ncbj.gov.pl/sites/default/files/prasa/INTERNAL%20NOTIFICATION%20PROCEDURE.pdf>

Information in accordance with Article 13 RODO on the processing of personal data:

1. The Personal Data Controller of your personal data is the National Centre for Nuclear Research (hereinafter referred to as Controller or NCBJ) with its registered office in Otwock, 7 Andrzej Sołtan Street, 05-400 Otwock.



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2. Your personal data will be processed for recruitment purposes on the basis of applicable law, including the Labour Code. Data not required by law, provided by you in your documents, will be processed on the basis of your consent. Your consent is given by the transfer of this data.



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*The National Centre for Nuclear Research is awarded by “HR Excellence in Research”.
Recruitment is based on OTM-R system (Open, Transparent and Merit-based recruitment
practices in Research Performing Organisations).*