

FORM FOR EMPLOYERS

INSTITUTION: AGH University of Krakow

DEPARTMENT: Faculty of Foundry Engineering

CITY: Krakow

POSITION: Post-doc in a group of researcher

DISCIPLINE: chemical sciences, physical sciences, material engineering, chemical engineering, or biomedical engineering

POSTED: 14.07.2025

EXPIRES: 22.08.2025

WEBSITE <https://www.agh.edu.pl/o-agh/praca-w-agh>

KEY WORDS: 3D printing, molecular spectroscopy, composites, polymers, nanomaterials, bone scaffolds

DESCRIPTION (field, expectations, comments, requirements):

- 1) The post-doc will participate in implementing the NCN OPUS-25 project (ID. No. 2023/49/B/ST4/00077, 3D-printed bone implants - Exploring the relationship between implants' chemical and spatial structure and their surface, mechanical, osteogenic, and anticancer properties),
- 2) The duties associated with the designated position will include:
 - a. the synthesis of metallic nanostructures (both bare and surface-functionalized),
 - b. materials optimization for the process of creating a three-dimensional model of bone scaffolds,
 - c. the process of creating a three-dimensional model of bone scaffolds involving the designing and then printing of the model,
 - d. the spectroscopic analysis of surfaces of materials (both bare and functionalized) and synthetic bone scaffolds,
 - e. the evaluation of wear of materials (both bare and functionalized) and synthetic bone scaffolds,
 - f. data analysis and discussion,
 - g. manuscripts and reports writing,
 - h. monthly report on the progress of research and scientific work.

REQUIREMENTS:

- 1) the candidate must hold a doctoral degree in one of the sciences, including chemical sciences, physical sciences, material engineering, chemical engineering, or biomedical engineering. The degree must have been obtained in the year of employment in the project or within 12 years prior to January 1 of the year of employment in the project. This period may be extended by the amount of time spent on long-term (more than 90 days) documented sick leave or rehabilitation benefits due to an inability to work. Additionally, this period may be extended by the number of months spent on childcare-related leave granted under the rules set out in the Labor Code. For women intending to enter the competition, this period may be extended by 18 months for each child born or adopted, if this method of indicating breaks in a scientific career is more favorable,
- 2) the candidate either obtained her/his doctoral degree from an institution other than the one where she/hi is employed in this position or completed at least ten months of continuous, documented postdoctoral training at an institution other than the one implementing the project, in a country other than the one where they obtained their doctoral degree,
- 3) during the period of employment, the candidate will not receive any other remuneration from direct costs allocated to research projects financed under NCN competitions,
- 4) during the employment period, the candidate will not receive remuneration from another employer based on an employment contract, including from an employer based outside of Poland,
- 5) evidence of scientific achievements in chemical sciences, physical sciences, materials engineering, chemical engineering, or biomedical engineering, as demonstrated by publications in international, peer-reviewed journals, internships, fellowships, awards, or participation in workshops/conferences/ projects, etc.),
- 6) experience in acquiring, managing, or implementing research projects is welcome,
- 7) experience in laboratory work with 3D printing, polymers, composites, molecular spectroscopy for surface studies, or mechanical testing is highly desirable,
- 8) good English speaking and writing skills,
- 9) the ability to conduct scientific research and work effectively in a team setting is essential.

A person may become a candidate if they meet the following requirements set forth in the Law on Higher Education:

- 1) has the qualifications specified in the Law,
- 2) has full legal capacity,
- 3) has not been punished by a final court judgment for an intentional crime,
- 4) enjoys full public rights.

DOCUMENTS REQUIRED:

- 1) an application addressed to the Rector of the AGH University of Krakow,
- 2) a personal questionnaire and curriculum vitae, which includes a list of scientific publications, a list of scientific and organizational achievements, etc.,
- 3) the doctoral diploma or certified copy of the doctoral diploma, or a resolution on awarding the doctoral degree, or any other document attesting to the conferral of the doctoral degree,
- 4) a statement indicating that the AGH University of Krakow will be the primary place of work if hired,
- 5) it would be beneficial for the candidate to have an opinion from a person holding the academic title of professor or a postdoctoral degree on their scientific achievements in one or more of the following fields: chemical sciences, physical sciences, material engineering, chemical engineering, or biomedical engineering,
- 6) a statement of compliance, with Article 113 of the Law of July 20, 2018. Under the provisions outlined in the Law on Higher Education and Science (Journal of Laws 2023, item 742, as amended),
- 7) a statement from the candidate indicating their consent to the processing of personal data under Article 6(1)(a) of Regulation (EU) 2016/679 of the European Parliament and of the Council of April 27, 2016, on the protection of natural persons concerning the processing of personal data and on the free movement of such data, and repealing Directive 95/46/EC (General Data Protection Regulation).

DOCUMENTS MUST BE SUBMITTED:

Complete documentation must be sent to the following email address: proniewi@agh.edu.pl.

The AGH University will be the candidate's main place of employment.

The AGH University of Krakow does not require you to provide any information or data other than those resulting from the applicable law (name/names, surname, date of birth, contact details, education, professional qualifications, and employment history). However, if you choose to include your photograph or any other information, please fill in and attach this statement of consent to the processing of personal data, which constitutes an attachment to this information.

The controller of your personal data processed in order to carry out the recruitment process for the above-mentioned position is the AGH University of Krakow, al. A. Mickiewicza 30, 30-059 Krakow. You can read all information concerning the processing of your personal data on the website of the AGH University of Krakow after going to the "Personal data protection" tab (<https://www.agh.edu.pl/en/personal-data-protection>).

The University reserves the right not to settle the competition without providing any reason or justification. Winning the competition is not tantamount to ensuring the candidate's employment. The result of the competition serves solely as a recommendation to the Rector in this regard. The final decision concerning the employment will be made by the Rector.

Cracow, on

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name and surname

CONSENT TO PERSONAL DATA PROCESSING
(recruitment - employee)

Pursuant to Article 6(1)(a) of the Regulation (EU) 2016/679 of the European Parliament and of the Council of April 27, 2016 on the protection of natural persons with regard to the processing of personal data and on the free movement of such data and repealing Directive 95/46/EC (General Data Protection Regulation), [OJ EU . L. 2016.119.1, May 4, 2016] hereinafter referred to as "GDPR", **I consent to the processing of my personal data other** than the data mentioned in Article 22¹ § 1 of the Labour Code and contained in my CV and other application documents, and to the reproduction of my physical likeness **for the purposes of recruitment and selection for the position of** (contest notice no.).

In addition, I declare that the request for consent has been presented in a clear and understandable manner and that I have been informed about a possibility of withdrawing my consent at any time as well as about consent accountability. The withdrawal of consent to have personal data processed shall not affect the legality of the processing, which is carried out on the basis of such consent prior to its withdrawal; The consent may be withdrawn by submitting a written representation on consent withdrawal at a place that was indicated in the contest notice as the place for submitting documents.

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Date and signature