



Instytut Katalizy i Fizykochemii Powierzchni
im. Jerzego Habera
Polskiej Akademii Nauk



HR EXCELLENCE IN RESEARCH

KSN- 6/2025

Kraków, 02-05-2025

Adjunct in the group of Soft Matter Nanostructures

- Employer: Jerzy Haber Institute of Catalysis and Surface Chemistry Polish Academy of Sciences, Krakow, Poland
- Research field:
 - Chemistry > physical chemistry
 - Chemistry > colloids
 - Chemistry > encapsulation
- Researcher profile: R2, R3
- Deadline for the applications: 01.06.2025, at 15:00 GTM+1
- Place: Poland, Krakow
- Type of Contract: at least 12 months
- Job Status: full time
- Working hours/week: 40
- Start of employment: 01.09.2025
- Keywords: nanoparticles, synthesis, encapsulation, nanocarriers, actives, in vitro

Jerzy Haber Institute of Catalysis and Surface Chemistry Polish Academy of Sciences, Krakow, Poland opens a position of Adjunct in the Soft Matter Nanostructures research group.

The candidates who meet the conditions stated in the act "Ustawa o Polskiej Akademii Nauk" dated 30 April 2010 (Dz.U. 2018 poz. 1475 z póź. zm.), art 89. Ust. 4 for the position of Adiunct are encouraged to apply for the position.

The candidate will participate in research conducted within the Nanostructures of Soft Matter group concerning novel methods of encapsulation of selected active substances in various types of nanocarriers, managing a cell laboratory, and investigating the cytotoxicity and activity of encapsulated drugs.

Adjunct will be responsible for:

- Synthesis of biocompatible polymeric nanoparticles (e.g. PCL, PLA).
- Encapsulation of active substances/drugs
- Functionalization of nanocarriers
- Characterization of synthesized nanocarriers by the methods: DLS, LDA, NTA, UV-vis, fluorescence.
- In vitro characterization of nanomaterials, cytotoxicity and activity tests, etc...
- Experimental data processing, preparation of publications.
- Managing a cell laboratory

ul. Niezapominajek 8, 30-239 Kraków, Polska
tel. +48 12 639 51 01, +48 12 425 19 23
fax +48 12 425 19 23

Nr konta: Bank Gospodarstwa Krajowego
PL 36 1130 1150 0012 1186 5820 0004
NIP: 6750001805, REGON: P-000326351

Required education level:

PhD in one of the following disciplines: chemistry, chemical engineering, materials engineering or similar.

Skills/Qualifications supported by JRC publications:

1. Experience in synthesis of nanoparticles and nanocapsules; 0-20 points
2. Working knowledge of nanomaterials characterization methods; 0-20 points
3. Experience in managing cell laboratory, conducting cell-based research, evaluating the toxicity of nanomaterials, assessing the activity of drugs; 0-20 points

The minimal number of points required for admission – 35 points

Specific requirements:

An application should contain:

- a letter of application,
- Completed and signed “Consent to the processing of personal data for the needs necessary to carry out the recruitment process” in accordance with the Act of 29 August 1997 on the protection of personal data (t.j. Dz. U. z 2016 r. poz. 922, z 2018 r. poz. 138, 723.) [\[FORM\]](#) and “Information obligations – recruitment of a prospective employee/collaborators” confirming acquainting with its content [\[FORM\]](#).
- a copy of PhD degree certificate,
- full CV (including information on maternal leaves, voluntary work and periods of work in the industry),
- list of scientific achievements (scientific papers, research and implementation projects, grants, conferences etc.)

Languages:

Fluent in written and spoken English.

Research experience:

- At least 4-10 years of experience in physical chemistry.
- Working knowledge of nanomaterials synthesis and characterization methods.
- Managing cell laboratory;

Remuneration:

- The gross salary min. 7000 PLN/month (roughly 1650 Euro/month) depending on the Candidate's experience.

Eligibility criteria:

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- Research experience documented by scientific publications in journals enlisted in JCR or patents and conference presentations.
- PhD in one of the following disciplines: chemistry, chemical engineering, materials engineering or similar

Selection process:

Applications should be sent in the electronic form to: sekretariat@ikifp.edu.pl with the subject title „NMM – post-doc – KSN 6/2025”

Deadline for applications: 01.06.2025 at 15:00 GMT+1. The competition will be settled by 15.06.2025.

The candidates will be notified of the results. The employment will be proceeded in accordance to the rules of the Labour Code for at least 12 months.

In the case of candidates with equivalent qualifications or a need for further clarification of information provided selected candidates will be asked to participate in an online interview.

Additional information

The Institute has been adapted to the needs of the disabled. The Institute does not provide accommodation.

Jerzy Haber Institute of Catalysis and Surface Chemistry, Polish Academy of Sciences, awarded the HR Excellence in Research Award by the European Commission in recognition of ongoing commitment to adopt the principles of The European Charter for Researchers (ECR) and a Code of Conduct for the Recruitment of Researchers (CCRR) fully supports and applies open, transparent and merit-based recruitment (OTM-R policy) procedures. The Institute is dedicated to implementing and strengthening the OTM-R policy as one of the pillars of the ECR and CCER and one of the crucial components of the Human Resources Strategy for Researchers (HRS4R).