



KSN 5/2022

Kraków, 23/02/2022

Call for Research Assistant Position in the Group of Interfacial Interactions in Dispersed Systems

- Employer: Jerzy Haber Institute of Catalysis and Surface Chemistry Polish Academy of Sciences, Krakow, Poland
- Research field:
Chemistry> Physical chemistry, instrumental techniques
Physics> Chemical physics
- Researcher profile: R2
- Deadline for applications: 23/03/2022, 3:00 pm CEST
- Place: Poland, Kraków
- Type of Contract: at least 2 years,
- Job Status: Full-time,
- Working hours/week: 40
- Start of employment: 01/05/2022
- Key Words: colloidal systems, liquid films, interfacial interactions, adsorption

Jerzy Haber Institute of Catalysis and Surface Chemistry PAS invites applications for Research Assistant (post-doc) position in the Interfacial Interactions in Dispersed Systems 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 88. Ust. 5 are encouraged to apply for the position.

The Candidate will take part in research activities, which are a part of NCN (National Science Centre) research project SONATA BIS (No. 2020/38/E/ST8/00173), ongoing currently in the group of Interfacial Interactions in Dispersed Systems,

In particular, the Research Assistant will be responsible for:

- experimental and theoretical studies on adsorption proces of surfactants (including bio-surfactants) at fluid and solid interfaces
- experimental studies of the stability of liquid films formed in two- and three-phase systems under static and dynamic conditions,



- publications of the project results in JCR journals and presentations at scientific conferences.

Required education:

- doctor (PhD) in the field of natural sciences, in the discipline of chemical, physical, biological or related sciences

Skills/Qualifications:

The candidate has to:

1. Hold a degree of doctor (PhD) in chemical, biological, physical or related sciences,
1. Have proven experience in conducting scientific research in the field of physicochemistry, especially related to the stability of colloidal systems and thin liquid films, confirmed publication record the journals from the Journal Citation Reports lists (0-10 points)
2. Be familiar with image analysis techniques. Knowledge of programming basics (Python, Matlab) will be an asset (0-5 points)
3. Has fundamental knowledge of the theoretical description of the adsorption process. Knowledge of computational techniques (Molecular Dynamic Simulations) will be an asset (0-5 points)

Specific requirements:

1. An application.
2. 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.) and fill in the form „Consent to the processing of personal data” confirming acquainting with its content. The form is available on the institute website [\[FORM\]](#).
3. A copy of the scientific degree certificate (PhD).
4. Full CV (including information on maternal leaves, voluntary work and periods of work in the industry).
5. At least two current opinions on the Candidate given by previous supervisors, preferentially an independent researcher.
6. List of scientific achievements (scientific papers, patents, patent applications, grants, conferences, activity in scientific institutions and editorial boards, etc.).

Languages:

English at an excellent level

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



HR EXCELLENCE IN RESEARCH

Research experience:

More than 4 years in the following fields:

Chemistry> Physical chemistry, instrumental techniques
Physics> Chemical physics

Additional information:

Remuneration:

The gross salary will be approximately **8000 PLN/month (approx. 1750 €/month)** depending on the Candidate's experience.

Eligibility criteria:

- Documented scientific record confirmed by publications from the JRC list or patents.
- The PhD degree in the discipline of chemistry, biology, physics or related obtained not earlier than 7 years before the engagement in the project (this period might be longer due to family reasons (according to NCN rules).*

* A new postdoc contract is reserved for a person who has obtained their PhD within 7 years of joining the project. This period may be extended by a period of long-term (in excess of 90 days) documented sick leaves or rehabilitation leaves granted on account of 13 being unfit to work. In addition, the period may be extended by the number of months of childcare leave granted pursuant to the Labour Code and, in the case of women, by 18 months for every child born or adopted, whichever manner of accounting for career breaks is preferable.

Selection process:

Applications should be sent in the electronic form to: sekretariat@ikifp.edu.pl with the subject title „IIDS_asystem_KSN 5/2022”

Deadline for applications: **23/03/2022** at **3:00 pm CEST**. The competition will be settled by **10.04.2022**. The candidates will be notified of the results.

The employment will proceed in accordance with the rules of the Labour Code for at least 2 years.

Additional information:

The Institute has been adapted to the needs of the disabled. The Institute does not provide accommodation. The recruitment process is conducted according to OTM-R policy.

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