



KSN 10/2020

Kraków, 13.10.2020

## Assistant Professor (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, colloid and surface chemistry, confocal microscopy,
- Researcher profile: R2
- Deadline for applications: 13.11.2020, 3:00 pm GTM+1
- Place: Poland, Kraków
- Type of Contract: temporary
- Job Status: Full-time
- Working hours/week: 40
- Start of employment: 14.12.2020
- Key Words: confocal microscopy imaging, nanomaterials, cytotoxicity

Jerzy Haber Institute of Catalysis and Surface Chemistry PAS invites applications for an Assistant Professor in the Soft Matter Nanostructures 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. 3 the position of Assistant Professor (Adjunct) are encouraged to apply for the position.

The Candidate will take part in research conducted by the group of Soft Matter Nanostructures, which focus on

- development of nanoparticulate delivery systems of active components;
- development of novel antimicrobial agents based on metallic nanoparticles;
- determination of the stability of nanomaterials in cell cultures;
- determination of cytotoxicity of nanomaterials;



In particular the Assistant Professor (Adjunct) will be responsible for:

- Conducting research work in accordance with the Institute's profile, with a particular emphasis on analyzes using confocal and fluorescence microscopy;
- Planning and analysis of the results of experiments and preparation of publications
- Research project applications

### Required education:

PhD Diploma in chemistry, biophysics, biochemistry or related.

### Skills/qualifications:

- 1) Experience in the field of imaging nano- and microstructures using fluorescence and confocal microscopes, documented by publications.
- 2) Experience in the field of characterization of new nanomaterials, documented by publications, in particular for biomedical applications.
- 3) Knowledge of various fluorescence techniques and confocal microscopy.
- 4) The ability to work with a microscope set from the Zeiss LSM series, including the knowledge of software such as Zeiss Zen Blue / Black used to operate the microscope will be an additional advantage
- 5) Practice in the field of cell culture and conducting microscopic observations of biological systems.
- 6) At least 6-months (24-weeks) postdoctoral fellowship in a unit other than the one in which the Candidate (s) performed his doctorate.

### 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 scientific degree certificate.
4. Full CV (including information on maternal leaves, voluntary work and periods of work in the industry).
5. At least one opinion on the Candidate given by an independent researcher.



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



HR EXCELLENCE IN RESEARCH

6. List of scientific achievements (scientific papers, patent, patent applications, grants, etc.).
7. The Candidate's report on his/her scientific interests and research aims (an A4 page).

### Languages:

Fluent English in speech and writing (confirmed by a certificate)

### Research experience:

4-10 years in research in physics / chemistry / biochemistry related to the application of imaging fluorescence and confocal microscopy

### Additional information:

#### Remuneration:

The gross salary will be at least **4700 PLN/month** depending on the Candidate's experience.

#### Eligibility criteria:

- Doctoral degree in chemistry, biophysics, biochemistry or related.
- Documented research achievements confirmed by publications from the JRC list or patents confirming the required experience.
- Required qualifications documented by publications, in particular experience in conducting research using microscopic techniques (confocal / fluorescence).
- Participation in a research internship / internships in centers other than those where the doctoral degree was obtained.

#### Selection process:

Applications should be sent in electronic form to: sekretariat@ikifp.edu.pl with the subject title „Assistant Professor KSN 10/2020”

Deadline for applications: **13.11.2020 at 3:00 pm GTM+1**. The competition will be settled by **14.11.2020**. The candidates will be notified of the results.

The employment will be proceeded with accordance to the rules of Labour Code for 24 months.

#### 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](#).

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