

**Post-doctoral position available within NCN grant OPUS entitled**

***Dynamic combinatorial chemistry inside Metal-Organic Frameworks***

**Institution:** University of Warsaw, Biological and Chemical Research Centre

**Contract duration:** 12 months with possible extension up to 3 years

**Salary:** 7670 PLN brut/month

**Suggested starting date:** 1<sup>st</sup> April 2019

**Scientific tasks:**

Metal-Organic Frameworks (MOFs) are porous crystals made of organic ligands connected by metal cations (or clusters) into a 3D network. They are actively investigated in leading scientific laboratories all over the world owing to their intriguing structures (regular and well-defined molecular scale cavities), unique properties and numerous potential applications, such as gas storage, drug delivery, catalysis, sensor technology, ion exchange, non-linear optics and many others. The aim of this project is to create a revolutionary new class of 'intelligent' MOFs, able to adapt to their environment in response to external physical or chemical stimuli.

The successful candidate will be responsible for conducting scientific research described in the grant application; in particular for:

- supervision and training of undergraduate and graduate students working for the project;
- synthesis and characterization of porous materials as well as ligands for their decoration;
- literature search, designing experiments, preparation of data for publication, preparation of reports and scientific publications, verification of scientific hypotheses.

**We offer:**

- an opportunity to participate in a groundbreaking and interdisciplinary research project run in collaboration with leading MOF laboratories from USA and Germany (MIT, Augsburg University),
- good chance for publications in prestigious journals;
- state-of-the-art research facilities: Supramolecular Chemistry Laboratory is located in a new, modern building of Biological and Chemical Research Centre. For pictures see: [www.mchmielewski.pl](http://www.mchmielewski.pl);
- an opportunity to work in a 6-membered team composed of PI (Dr Michał Chmielewski), 1 postdoctoral researcher, 2 PhD students and 2 MSc students;

**We expect from Candidates:**

- PhD in chemistry (preferentially in the field of organic or MOF chemistry) obtained no earlier than 7 years before the year of employment;
- considerable experience in the synthesis, purification and characterization of organic compounds and MOFs;
- track record of scientific experience (publications, participation in conferences, posters and presentations)
- high motivation for scientific work, interest in the research program of the group, resourcefulness, independence, creativity, responsibility, good organization, capability to work as a part of the team
- excellent knowledge of English language

**Work place:**

Modern, well-equipped research laboratories in the newly constructed building of the Biological and Chemical Research Centre of the University of Warsaw (part of the Faculty of Chemistry). For more information go to: [www.mchmielewski.pl](http://www.mchmielewski.pl)

**Development opportunities in the group:**

- participation in scientific conferences, workshops and short scientific stays in other laboratories;
- participation in preparation of scientific publications and grant proposals;
- acquisition of experience in the supervision of graduate and undergraduate students;
- acquisition of experience and knowledge in the field of organic synthesis, material chemistry, supramolecular chemistry and dynamic combinatorial chemistry;
- training in the use of modern laboratory equipment (such as GC, HPLC, flash chromatograph, NMR, PXRD, supercritical dryer, microwave reactor)

**Requested documents:**

1. CV (with list of publications)
2. A signed Consent Clause attached at the end of this document
3. Motivation letter
4. Two recommendation letters

**Project leader:**

Dr Michał Chmielewski, ([www.mchmielewski.pl](http://www.mchmielewski.pl))

**Address for sending application:** [mchmielewski@chem.uw.edu.pl](mailto:mchmielewski@chem.uw.edu.pl) (entitled: "Application for postdoctoral fellowship-Name of the Candidate).

**Deadline for applications:** 25<sup>th</sup> of March 2019

**Additional information:**

After preliminary verification and assessment of the submitted documents, selected candidates will be invited for interviews via e-mail or telephone. The interviews will take place on 26<sup>th</sup> of March 2019. In case of foreign applicants who cannot attend the interview, videoconference may be organised. Competition results will be published by 02.04.2019 on the Faculty webpage. The organisers reserve the right to contact only selected applicants and to reject all submitted applications, if a competition commission finds that they do not meet the criteria.

For additional information concerning the project leader and the Supramolecular Chemistry Laboratory see: [www.mchmielewski.pl](http://www.mchmielewski.pl) or send an e-mail to: [mchmielewski@chem.uw.edu.pl](mailto:mchmielewski@chem.uw.edu.pl).

### Information clause on the processing of personal data

Pursuant to Article 13 of Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 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), University of Warsaw hereby informs that:

1. The Controller of your personal data is the University of Warsaw with its registered office at Krakowskie Przedmieście 26/28, 00-927 Warszawa;
2. The Controller has designated the Data Protection Officer who supervises the processing of personal data, and who can be contacted via the following e-mail address: [iod@adm.uw.edu.pl](mailto:iod@adm.uw.edu.pl);
3. Your personal data will be processed for the purpose of carrying out a recruitment process, selecting an employee and concluding a contract for employment with the University of Warsaw;
4. The provided data will be processed pursuant to Article 22<sup>1</sup> § 1 of the Act of 26 June 1974 Labor Code (uniformed text: Dz.U. of 2018, item 917) and your consent for processing of personal data;
5. Provision of data in the scope stipulated in the Labor Code is mandatory, and the remaining data are processed according to your consent for processing of personal data;
6. The data will not be shared with any external entities;
7. The data will be stored until you withdraw your consent for processing of personal data;
8. You have the right to access your personal data, to rectify, erase them, restrict their processing, object to processing, and to withdraw the consent at any time;
9. You have the right to lodge a complaint to the President of the Office for the Protection of Personal Data.

### Consent clause

I hereby consent to have my personal data processed by the University of Warsaw with its registered office at ul. Krakowskie Przedmieście 26/28, 00-927 Warszawa for the purpose of carrying out a recruitment process, selecting an employee and concluding a contract for employment with the University of Warsaw.

I have been informed of my rights and duties. I understand that provision of my personal data is voluntary.

.....  
(place and date)

.....  
(signature of the person applying for fellowship)