



**Institute of Physical Chemistry  
Polish Academy of Sciences  
(IPC-PAS)**

Warsaw, 25 May 2018

OPEN COMPETITION FOR THE POSITION OF

PhD STUDENT - Stipendist

IN THE TEAM No. 4 „SURFACE NANOENGINEERING FOR CHEMO- and  
BIOSENSORS” OF IPC PAS, WITHIN THE PROJECT NO 2017/26/D/ST5/00980,

**„ New receptors for C-reactive protein recognition - generation,  
characterization and application towards fast differentiation between  
virus and bacteria ”**

realized in the Sonata 13 Program financed by the National Science Centre  
(Poland)(number of vacancies: 1)

Principal Investigator: dr Katarzyna Szot-Karpińska

**Job Description:**

The proposed project is multidisciplinary and realizing it will require utilization of techniques from the domains of both physical chemistry and molecular biology. The candidate will be involved in research including application of phage display technology for identification of new receptors (bacteriophage/peptide) that specifically recognize C-reactive protein (CRP), characterization of the new receptors for CRP recognition through utilization of electrochemical techniques, surface plasmon resonance, atomic force microscopy and ELISA test, application new receptors for the differentiation between viral and bacterial infections.

**Conditions to be met by the candidate:**

- ✓ Master's degree in biotechnology, biology, chemistry, physics, engineering or related sciences, obtained not later than 3 years ago,
- ✓ Involvement in research, especially in project with strong interdisciplinary character,



HR EXCELLENCE IN RESEARCH



NARODOWE CENTRUM NAUKI

- ✓ Ability for independent work
- ✓ Participation in research projects, scientific conferences and/or internships
- ✓ Scientific publications
- ✓ Good knowledge of English (Polish language is not mandatory),
- ✓ Experience in laboratory work (with background in bio-related science will be appreciated),
- ✓ Knowledge on bacteriophages and/or "phage-display" technology will be appreciated,
- ✓ Self-motivation for scientific work.

#### **Scholarship / salary:**

- ✓ A scholarship paid by NCN in the net amount of 3000 PLN per month for 36 months (more than average net salary in Poland, allowing decent living standard in Warsaw),
- ✓ Additional around 500 PLN per month in the position of assistant at the ¼ working time payable by IPC-PAS,
- ✓ Possibility of additional scholarship paid by the IPC-PAS in the net amount 1570-1800 PLN per month, according to internal rules of the IPC-PAS:  
[http://ichf.edu.pl/msd/2017-09-29\\_stypendia\\_dot\\_stat\\_grant.pdf](http://ichf.edu.pl/msd/2017-09-29_stypendia_dot_stat_grant.pdf)
- ✓ Possibility of further employment/scholarship (after 36 months of NCN scholarship) to complete IPC-PAS International Doctoral Studies (48 months) according to internal IPC-PAS rules valid in due course.

#### **Social benefits:**

- ✓ Private healthcare program,
- ✓ Physician and dentist available in the IPC-PAS,
- ✓ Access to sport and recreation centres at discount prices,
- ✓ Access to cultural events sponsored by IPC-PAS,
- ✓ Possibility to rent a room in the PhD student dormitory at preferential price.

#### **Career development benefits:**

- ✓ Work in outstanding institution,
- ✓ Planned research visit to University of Nova Gorica, Slovenia,
- ✓ Participation in international conferences,
- ✓ Pursuing PhD degree.

#### **The following should be included in the competition application:**

- ✓ Job application,
- ✓ Curriculum vitae,
- ✓ Motivation letter (not exceeding 3500 characters),



HR EXCELLENCE IN RESEARCH



NARODOWE CENTRUM NAUKI

- ✓ Scan or photocopy of a university degree
- ✓ List of publications, patent applications/patents, research projects (if applicable)
- ✓ Recommendation letter(s). At least one opinion of the candidate from a specialist in a relevant field of science.
- ✓ Consent regarding the collection and processing the candidate's personal data for the purpose of the competition:

[http://ichf.edu.pl/gen\\_inf/gen\\_pl/formul/Oswiadczenie-declaration\\_doktorant-stypendysta.doc](http://ichf.edu.pl/gen_inf/gen_pl/formul/Oswiadczenie-declaration_doktorant-stypendysta.doc)

#### **Envisaged Job Starting Date:**

No later than **November 1, 2018**, and a necessary condition is that successful candidates need to have a status of PhD student at the Institute of Physical Chemistry PAS before starting work within the Project.

Competition applications should be sent by e-mail to

dr.Katarzyna Szot-Karpińska, [kszot@ichf.edu.pl](mailto:kszot@ichf.edu.pl) or to the following address:

Institute of Physical Chemistry PAS

Kasprzaka 44/52, 01-224 Warszawa

Please write on the envelope: "Competition for the position PhD Student (project no:2017/26/D/ST5/00980)".

The **deadline** for the submission of application is **September 7th, 2018** at 11:59 pm.

The Competition results shall be made known on **October 3rd, 2018**

#### **Recruitment procedure:**

The scholarship will be awarded in accordance with the rules defined by National Science Center's document „Regulamin przyznawania stypendiów naukowych w projektach badawczych finansowanych ze środków Narodowego Centrum Nauki” :

[https://ncn.gov.pl/sites/default/files/pliki/uchwaly-rady/2016/uchwala96\\_2016-zal1.pdf](https://ncn.gov.pl/sites/default/files/pliki/uchwaly-rady/2016/uchwala96_2016-zal1.pdf)

In the first stage the candidates will be assessed on the basis of submitted documents. Among the candidates who received high marks in the assessment the Competition Commission will select the best candidates.

#### **The Commission will take into account the following criteria:**

- ✓ competences of candidates for specific tasks in a research project,
- ✓ previous scientific achievements of candidates,
- ✓ awards and distinctions of the candidate resulting from the conducted research.



HR EXCELLENCE IN RESEARCH



NARODOWE CENTRUM NAUKI

The best candidates who meet the Competition requirements will be invited for the interview for the IPC PAS International Ph. D. Studies. The interview (on-site or via Skype) will take place on **October 1st, 2018 at 9:00 AM CEST (UTC/GMT +2h)**.

The information about the admission procedure for the International PhD Studies at IPC PAS and about the required documents can be obtained on the website: <http://ichf.edu.pl/msd/indexen.htm> and in the Institute's secretary office.

The candidates who already have the status of Ph. D. student at the IPC PAS are exempt from the interview IPC PAS International Ph. D. Studies.

From among the candidates who have passed the interview for the IPC PAS International Ph.D. Studies with at least a good grade, the Committee will select the best candidate to be granted the scholarship in the Project. The scholarship is awarded to the first person on the ranking list, which received the highest score.

In the event that the winner of the Competition resigns from signing the scholarship agreement, the scholarship will be awarded to the next person from the ranking list.

ZASTĘPCA DYREKTORA  
d/s Naukowych

  
prof. dr hab. Marek Tkacz