Institute of Physical Chemistry, Polish Academy of Sciences

Warsaw, 09.05.2018

Open competition for the position of a
Ph. D. Student – Stipendist
in the Group no. 31 „Biophysical Chemistry" of IPC PAS,
within the research project
"Evolution of gene regulation as a stochastic process: Savageau's demand theory, cost of regulation and noise"

(Sonata Bis 6 project no. 2016/22/E/ST2/00558, financed by the National Science Centre, Principal Investigator: Anna Ochab-Marcinek, Ph. D.)

Project objective: We propose a research topic at the interface of physics and biology. The objective of the Project is theoretical modeling of the evolution of gene regulation.

We offer:

- **Scholarship / salary:**
  - We offer a scholarship of net **3000 PLN** per month during 44 months (approximately 700 EUR, or average net salary in Poland, corresponding to a decent standard of living in Poland), financed from the NCN Sonata Bis 6 project no. 2016/22/E/ST2/00558. The job in the project is connected with the IPC PAS International Doctoral Study lasting 48 months from 01.11.2018.
  - Additionally, during the 48 months of Ph. D. study from 01.11.2018, we offer ¼ assistant's position financed from the IPC PAS budget (approximately net **440 PLN** monthly).
  - Possibility of additional application for the IPC PAS scholarship (net **1570 PLN**, **1690 PLN** or **1800 PLN**), in accordance to the rules described in the Decision of the Director of IPC PAS: http://ichf.edu.pl/msd/2017-09-29_stypendia_dot_stat_grant.pdf. More information about the IPC PAS scholarship can be found under the link (in Polish): http://ichf.edu.pl/msd/niezbednik.pdf
  - Possibility of employment on a technician position financed from the IPC PAS budget in the period from 01.08.2018 to 31.10.2018, i. e., before beginning the Ph. D. study.
- **Social benefits.** Private health care program. Institute's physician and dentist. Possibility of accommodation in a dormitory on preferential terms.
- **Career development benefits.** Work in a young team. Planned research visits at University of Edinburgh and IST Austria. Funds for international conference travels. Possibility to take advantage of all programs for Ph. D. students at IPC PAS, including Young Scientists of IPC PAS competition and Mobility of Young Scientists of IPC PAS competition. Possibility of publication of research papers in recognized international journals. Possibility of preparing a Ph. D. dissertation. The description of the course of the International Doctoral Study at IPC PAS can be found under the link: http://ichf.edu.pl/msd/indexen.html .

Tasks in which the Ph. D. student will be involved:
Computer simulations of the evolution of gene regulation as a random walk on a fitness landscape. Analytical and numerical calculations concerning the properties of the model under study.

Requirements:

1. Master's degree in physics, mathematics, theoretical chemistry, bioinformatics, computer science, or related disciplines, obtained no earlier than 3 years ago.
2. Motivation for scientific work.
3. Master's degree in physics will be an asset.
4. Knowledge of programming, or, in the case of the alumni of physics and mathematics departments with no or poor knowledge of programming – willingness to learn programming.
5. Knowledge of fundamentals of physics or chemistry.
6. Knowledge of the English language.

The application should contain:

1. Documents listed in the required documents list under the link: http://ichf.edu.pl/msd/IDS_required_documents.pdf
   i. In particular, CV should contain:
      a) information on the knowledge of programming,
      b) information on scientific achievements and distinctions resulting from the conducted research, e. g., participation in scientific conferences, scholarships, prizes, scientific publications, participation in research projects, etc.,
      c) information on the knowledge of the English language.
   ii. In particular, the document "Proposal for the subject of the doctoral thesis", with the thesis subject filled in, can be found under the link: http://groups.ichf.edu.pl/ochab/download?page=1
2. Transcript of Records.
3. Consent to the processing of personal data of the Candidate for the purposes of the Competition: http://ichf.edu.pl/gen_inf/gen_pl/formul/Oswiadczenie-declaration_doktorant-stypendysta.doc

Applications for the Competition should be sent to the e-mail address ochab@ichf.edu.pl (Anna Ochab-Marcinek, Ph. D.) or to the following address:

Anna Ochab-Marcinek, Ph. D.
Institute of Physical Chemistry
of the Polish Academy of Sciences
ul. Kasprzaka 44/52,
01-224 Warsaw, Poland

In the case of application via e-mail, the candidate should provide scans of documents with his/her signature.

The deadline for the submission of applications is 15.06.2018 at 16:00.

The Competition results shall be made known on 02.07.2018.

Recruitment procedure:

1. The scholarship will be awarded in accordance with the rules defined by the National Science Center's document "Regulamin przyznawania stypendiów naukowych dla młodych naukowców w projektach badawczych oraz regulamin przyznawania stypendiów naukowych dla młodych naukowców w ramach stypendiów doktorskich ETIUDA finansowanych ze środków Narodowego Centrum Nauki":
   https://ncn.gov.pl/userfiles/file/konkursy_ogloszone_2016-06-15/sonatabis6-zal7.pdf .

2. Selected candidates may be invited for a preliminary interview (on-site or via Skype).

3. 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 29.06.2018 at 9:00.**

   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.html 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.

4. 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.

5. The planned date of commencement of work in the Project for the Ph. D. student – stipendist is 01.11.2018. The candidate must have the status of the IPC PAS Ph. D. student at the latest on the day of starting work in the Project.