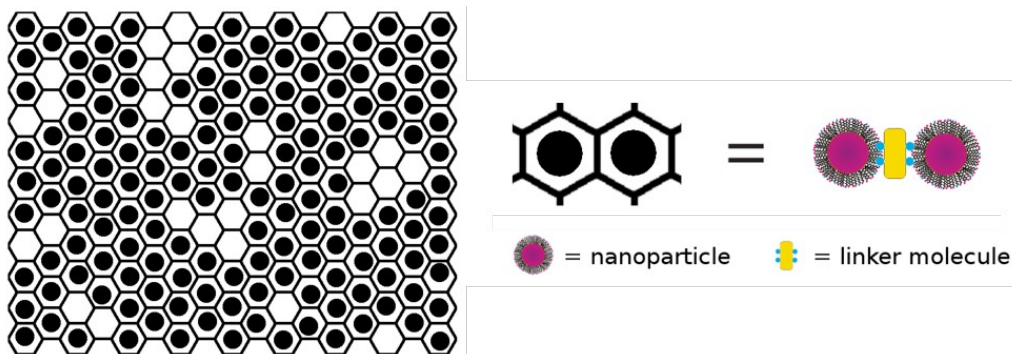


Position for PhD student – stipendship



Job summary: PhD student positions available in the Institute of Physical Chemistry PAS (Warsaw, Poland) within National Science Center OPUS 12 Project No. 2016/23/B/ST5/02747 entitled “Thin, free-standing nanocomposite films and their electrical conductivity” (leader prof. Marcin Fiałkowski).

Job Description: The proposed project aims to synthesize and characterize properties of thin free-standing films composed of metal nanoparticles connected by conducting organic molecules. Your duty would be: synthesis of metal (typically gold) nanoparticles, synthesis of ligands and linker molecules, functionalization of the nanoparticles, interfacial synthesis of thin free-standing films composed of the nanoparticles, characterization of these films, including electrical properties. The synthetic job will be performed under guidance of good organic chemists working in the group. The synthetic part is not much complicated. A little more challenging would be developing interfacial synthesis platform and characterization of the obtained films. This involves some knowledge of physical chemistry.

Main Research Field: chemistry

The following profile of the candidate is most welcome: Experimentalist with some background in organic synthesis. The experience in organic synthesis is not a necessary requirement, but the candidate should be able to learn and perform this type of laboratory work.

Benefits: We offer 3000 PLN (about 714 Euro) per month stipendship financed from the NCN OPUS 12 Project No. 2016/23/B/ST5/02747 and part time employment (1/4 post) financed from IPC PAS budget (around 500 PLN per month) **for 30 months**. Additionally (independently), the PhD student can obtain scholarship from IPC PAS starting from the first year of the studies according to internal rules http://ichf.edu.pl/msd/2017-09-29_stypendia_dot_stat_grant.pdf (more than 1500 PLN). **During the last 18 months of the studies the candidate will be paid stipendship plus part time employment (¼ post), at least 2000 PLN per month.**

The successful candidates will be able also to take advantage of all programs for PhD students in the IPC PAS, including possibility of preferential renting of room in dormitories,

Young Scientist of IPC PAS competition and Mobility of Young Scientists of IPC PAS competition. Additionally all benefits of employees of IPC PAS will be granted to the successful candidate, e.g., private health care program.

Application Details: Envisaged Job Starting Date: November 1st, 2018 (duration: 4 years)

Application Deadline: June 22nd, 2018, 23:59

How to Apply: Send application directly to mfialkowski@ichf.edu.pl or Contact website: http://ichf.edu.pl/praca_doktorant.html

Required Education Level (optional)

- o **Degree:** master or equivalent
- o **Degree Field:** chemistry, chemical engineering or related fields

Required Languages: English

Additional Requirements:

1. Master of Science (or equivalent) degree preferably in chemistry, chemical engineering or related, awarded not earlier than five years before the deadline of the present recruitment.
2. Ability to work independently as well as in a group.
3. Proficiency in English speaking and writing.

Please include the statement: "I hereby consent to the processing of personal data for the needs of the recruitment process"