



Institute of Physical Chemistry
Polish Academy of Sciences
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NATIONAL SCIENCE CENTRE
POLAND



Surface Nanoengineering
Group

Prof. Joanna Niedziółka-Jönsson,
<http://www.surfacenanogroup.com/>

We are looking for a
PhD student

to work in the research group “Surface Nanoengineering for chemo- and biosensors” at the Institute of Physical Chemistry, Polish Academy of Sciences in the project financed by NSC
“Spatial organization of metallic nanowires for advanced photonics”

The research in which the candidate is to participate:

The successful candidate will work in the project entitled “Spatial organization of metallic nanowires for advanced photonics” in a consortium with the Optics of Hybrid Nanostructures group lead by Prof. Sebastian Maćkowski at the Nicolaus Copernicus University. The PhD student will work on synthesis of metallic nanomaterials and spatial organization of these on solid supports; controlled deposition of fluorescence dyes on the metallic nanostructures; characterization of the obtained nanostructures with the help of scanning microscopies; investigation of plasmonic properties of the obtained metallic nanostructures by fluorescence microscopy. From November 2017 the candidate will be a participant in the International Doctoral Programme of IPC PAS (<http://ichf.edu.pl/msd/indexen.html>).

The successful candidate should fulfil the following criteria:

- have a strong motivation for experimental work,
- have the ability to work both individually and as part of a group,
- possess a Master of science (or equivalent) in chemistry, physics or a related topic,
- have basic knowledge about physical chemistry, synthesis of nanostructures, surface modification and/or electrochemistry and spectroscopy is a plus
- good knowledge of English.

The following should be included in the competition application: a CV, motivation letter, list of publications, list of research projects the candidate was involved in and at least one reference letter. The documents should be sent at the latest until 22nd of September 2017 4 p.m. (CET) to

Joanna Niedziółka-Jönsson
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01-224 Warsaw, Poland
or by e-mail to jniedziolka@ichf.edu.pl

Separately, the candidate must apply for the International Doctoral Programme of IPC PAS with admissions interview on October 2, 2017. See <http://ichf.edu.pl/msd/indexen.html> for more information.

A stipend of 3000 PLN will be paid during 30 months in accordance to the rule of NCS (<https://www.ncn.gov.pl/sites/default/files/pliki/regulamin-przyznawania-stypendiow.pdf>).