



*The **CRE**ation of the Department of Physical Chemistry of Biological Sys**TE**ms [CREATE]*

666295 — CREATE — H2020-WIDESPREAD-2014-2015/H2020-WIDESPREAD-2014-2

The advertisement for PhD students

[Deliverable D.2.1]

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Warsaw, July 2016



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Job Advertisement



The Institute of Physical Chemistry of the Polish Academy of Sciences, the leading research entity among large chemical research organizations in Poland, invites applications for the position of:

PhD Student in the **Physical Optics and Biophotonics Group**

(Department of Physical Chemistry of Biological Systems)

(*project CREATE, H2020-WIDESPREAD-2014-2*)

We encourage applicants for a position of a PhD student in the **Physical Optics and Biophotonics Group** – the successful candidate will carry out PhD studies under International Doctoral Studies at the Institute of Physical Chemistry PAS, Warsaw, Poland.

This PhD student position will be funded from the CREATE project, supported by the European Commission under the ERA Chair programme. The CREATE project is targeted at development of a new Department of Physical Chemistry of Biological Systems within the structure of the Institute of Physical Chemistry of the Polish Academy of Sciences (IPC), which will be led by reputable worldclass scientist (ERA Chair holder). The project predicts a number of measures to extend research excellency of IPC into the new field – physical chemistry inspired by biology.

Research activities, in which the selected person will be involved are:

Control of light propagation in turbid – biological objects, development of new methods for brain imaging.

The candidates should have:

- a university degree in physics, engineering (optics, automatics, informatics, electronics)
- experience in advanced methods of data and image processing along with experimental optics
- skills in C++, Python, LabView or MatLab
- English to the degree necessary for communication, reading scientific literature, writing reports, and presentation of research results
- at least one opinion of the candidate from an active researcher.

The successful candidate will be given:

- the opportunity to carry out PhD studies under the **supervision of worldwide reputable scientist selected and contracted as the ERA Chair Holder – Professor Maciej Wojtkowski**, a physicist specializing in optical applications in biology and medicine
- the opportunity of close cooperation with the ERA Chair holder's team
- middle-term employment contract (4 years, supported by ERA Chair grant) – full time position (net salary ca. EUR 655)
- participation in research studies on the statistical properties of the light propagation through non-transparent or turbid media – in particular through biological systems
- possibility of fellowship in other leading EU university or institute
- private medical care package
- possibility to accommodate in the IPC hotel dedicated to PhD students.

Applications including:

1. Curriculum vitae;
2. A cover letter (not exceeding 3,500 characters), containing concise information about scientific interests, past research and candidate's own research plans;
3. A scan or photocopy of the candidate's university degree (the candidate may submit a certificate stating the scheduled date of the defence of the master's thesis);
4. At least one opinion of the candidate from an active researcher;
5. Consent to the processing of the candidate's personal data for the purposes of the competition (<http://ichf.edu.pl/Oswiadczenie-declaration.doc>);
6. A certificate of knowledge of English (e.g. FCE, CAE, CPE, TOEFL, or other - if agreed) – applicable to the foreign candidates.

*should be sent to mwojtkowski@ichf.edu.pl and pniton@ichf.edu.pl (contact person for employment) by **18th September, 2016**. Best candidates who meet the expectations will be invited for an interview for the International Doctoral Studies of IPC PAS on 10th October, 2016. One candidate will be chosen. The International PhD Studies at the IPC PAS will be start on 1st November, 2016.*

*The candidate will be subject to verification of compliance with the conditions adopted in **Requirements and Procedure for Admission to the International Doctoral Studies at IPC PAS and Rules for Appointing the Admission Committee** (http://ichf.edu.pl/msd/Doctoral_admission_requirements.pdf).*

The Institute is committed to employment equality (esp. European Charter for Researchers and the Code of Conduct for the Recruitment of Researchers) and welcomes applications from all qualified candidates fulfilling the requirements specified in this announcement. Remuneration of the PhD Student fellow is co-financed from EU funds (ERA Chairs, Horizon2020).