



Warsaw 12.05.2020

Recruitment No 20/2020

Dynamics of photoinduced bimolecular reactions group

Post-Doctoral scientist position

Number of positions available: 1

Job summary:

Full-time PostDoc position available in the Institute of Physical Chemistry PAS within National Science Center (NSC) OPUS 17 **Project No. 2019/33/B/ST4/01443** entitled "*FAST CHEMICAL REACTIONS IN GELS*" (leader **dr hab. Gonzalo Angulo**).

Job Description:

The aim of the project is to study photo-induced chemical reactions, with especial emphasis on electron transfer, in hydro-gels. Over the last years our group has advanced in the understanding of photo-induced bimolecular reactions in condensed media. Our major contributions range from the resolution of long lasting questions related to the physical description of chemical reactions to the possibility to speed up them using multi-pulse light excitation. We have expanded from simple liquids to ionic liquids, liquid crystals, and crowded environments mimicking the cell cytoplasm. To this aim we employ a variety of photo-physical techniques ranging from stationary measurements to sub-picosecond time resolved fluorescence –up-conversion and transient absorption. Within this project we plan to build two combined set-ups that should allow us to expand the time over which the kinetics are recorded from 2 ns in both cases to 25 ns in the former and 1 microsecond in the latter. The main tasks of the candidate will be related to the construction of these experiments and performing measurements with them.

Responsibilities:

- Construction of the experimental set-ups.
- Realization of measurements.
- Analysis of the experimental data.
- Redaction of reports, articles and conference presentations.

Research Profile: Recognised Researcher (R2)

Main Research Field:

Chemistry > Physical chemistry > Photochemistry , Physics >Optics, Lasers

Career perspectives: The successful candidate will be part of a highly experienced, multi-disciplinary team. He/She will have the possibility to broaden his/her knowledge and gain hands-on experience at the border between physics and chemistry. Funds are allocated to cover participation in international conferences and for short visits in collaborating laboratories. Institute provides opportunity to participate in ERASMUS + programme.

Benefits: We offer a post-doctoral position (full-time employment) in the Institute of Physical Chemistry PAS with gross salary in the amount of around 8300 PLN per month financed from the NSC OPUS 17 Project No. UMO- **2019/33/B/ST4/01443**.

The position is for **12 months** to start no later than October 1st 2020, with the possibility to be extended up to 36 months total. The Institute offers contribution towards private health insurance.

Application Details:

- **Envisaged Job Starting Date:** might vary in range from **August 1st, 2020 to October 1st, 2020** depending on the obligations of the successful candidates.
- **Application Deadline:** **June 15th 2020, 23:59 Warsaw time.**
- **How to Apply:** Send application directly to rekrutacja@ichf.edu.pl;
IMPORTANT: email title "Rekrutacja nr 20/2020"

Required Languages: English, **Language level:** very good

Requirements:

1. PhD in chemistry, physics or related fields awarded not earlier than seven years before the year of engagement in the project. This period can be extended by the duration of maternity/paternity leaves (according to NSC rules). Note: candidates who do not have a doctoral degree can enter the competition, but when signing the employment contract must hold the title. The candidate cannot have had contractual relationship with IChF for the previous two years to the start of the contract.
2. Experience in building optical systems with femtosecond lasers.
3. Knowledge of programming in Labview or equivalent.
4. Creativity measured by the quality and number of projects, study record, internships, postdoctoral stays, authorship in peer-reviewed publications in which the Candidate participated and contributed.
5. Experience in photochemistry and/or photophysics.
6. Fluent in spoken and written English.

Recruitment procedure: Complete application should include the following items:

- Scientific curriculum vitae, including a list of scientific achievements (scholarships, publications, conference presentations, etc.),
- PhD diploma in English,
- motivation letter (max. 3500 characters),
- at least one recommendation letter written by an independent researcher.

The best candidates who meet the competition requirements will be invited for an interview (or a conference-call). The interviews will take place from **June 16th, 2020 to June 30th, 2020**. Good command of English is required.

The competition will be held in line with the competition documentation of the National Science Center (NSC) for the OPUS 17.

- The incomplete applications may be rejected without further evaluation;
- The Commission will take into account the following criteria:
 - a) competences of candidates for specific tasks in a research project,
 - b) previous scientific achievements of candidates,

- The commission evaluates applications on a point scale.
- Employed will be the person who obtains the highest number of points.
- The results of the recruitment will be announced on **July 15th, 2020**.
- If the top candidate does not sign the contract, due to the resignation, we reserve the right to choose the next candidate from the ranking list.
- The results of the competition are made public.
- Scheduled date of **starting work** within the Project might vary in range from **August 1st, 2020 to October 1st, 2020** depending on the obligations of the successful candidates.

Additional comments

By submitting the application, you consent to the processing of your personal data in the recruitment process.

The controller of your personal data is the Institute of Physical Chemistry of the Polish Academy of Sciences with its registered office in Warsaw, NIP: 5250008755 (the "Institute"). The Institute will process your data for the purpose of carrying out scientific and research activities, providing services and contact with the Institute, on the basis of a contract (in connection with the performance of the contract or in order to take action on your request before the contract is concluded – Article 6, paragraph 1, letter b) of GDPR), the legitimate interest of the Institute (Article 6, paragraph 1, letter f) of the GDPR) and legal provisions (Article 6, paragraph 1, letter c) of the GDPR) - depending on the circumstances.

You have the right to: request access to your data, receive a copy of it; rectify (correct) it; delete it; limit its processing; transfer it; lodge a complaint to the supervisory body; withdraw your consent for processing at any time (withdrawal of consent does not affect the lawfulness of the processing carried out prior to its withdrawal) or to lodge an objection to data processing. More information is available on the Institute's website.

http://ichf.edu.pl/gen_inf/gen_en/GDPR%20-%20General%20Information%20Clause.pdf

Candidates who have been issued a negative opinion by the Competition Committee or candidates not selected for employment have the right to appeal against the results of the evaluation. The appeal shall be lodged with the Director of the Institute within 7 days from the date of receipt of the appropriate information. The decision of the Director of the Institute shall be final.

Candidates may become acquainted with the General Rules Governing Competitions for Research Posts at the IPC PAS on http://ichf.edu.pl/Regulamin_konkursu_stanowsko-naukowe_EN.pdf and the employment policy at the IPC PAS on http://ichf.edu.pl/employment_policy.pdf