



# Institute of Physics of the Polish Academy of Sciences Scholarship for a PhD Student



**Job ID: #JOB 41/2022**

## Job Description

**Job Title:** PhD Student

**Job Summary:**

Laser spectroscopy of diatomic molecules - experimental work

**Job Description:**

The research work will be carried out at the Institute of Physics of the Polish Academy of Sciences, within the NCN OPUS 22 project entitled. "Spectroscopy, formation and applications of ultracold strongly polar KAg and CsAg molecules: theory and experiment".

The PhD student will participate in spectroscopic studies of energy structure of diatomic molecules as well as in the construction of experimental systems for the study of dimers composed of an alkali metal atom and a silver atom. The student's tasks will include:

- construction of high-temperature heat-pipe spectroscopic cells and a Broida-type furnaces for the production of diatomic molecules;
- spectroscopic measurements using a Fourier spectrometer: absorption, and thermally or laser induced emission of diatomic molecules;
- measurements using the polarisation labelling spectroscopy (PLS) technique;
- analysis and interpretation of experimental results.

**Requirements:**

- the candidate should have proven experience in scientific work in the field of atomic physics, molecular physics or optics (bachelor's thesis, master's thesis or work in a research project);
- knowledge of the English language at a level allowing for reading scientific literature and presenting results in English both orally and in writing;
- the candidate should be a PhD student accepted at a doctoral school or be a participant in a doctoral programme in Poland at the time of starting work in the project and receiving the scholarship;
- preference will be given to candidates with demonstrated experience in spectroscopic research and/or molecular spectra analysis.

Interviews may take place via videoconference system for candidates living outside Warsaw. Specific dates for possible interviews will be communicated to selected candidates individually.

**Main research field:** Physics

**Sub Research Field:** spectroscopy/physical chemistry

**Career Stage:** Early stage researcher

**Research Profile** ([details](#)): First Stage Researcher (R1);

**Type of Contract:** Fixed term 12 months, extendable to 48 months

**Status:** full time

**Salary:** 5000 PLN per month, before subtracting obligatory employer and employee social security contributions (~15%).

## Contact

More information can be obtained from

Jacek Szczepkowski (e-mail: [jszczep@ifpan.edu.pl](mailto:jszczep@ifpan.edu.pl)).

## Application details

**Application deadline: 19.08.2022.** Later applications will be not considered.

### Required materials:

- Curriculum Vitae
- List of publications
- Motivation letter
- Undergraduate studies transcript of records
- Contact data (e-mail) to at two potential referees
- Consent to process your personal data

All materials should be submitted in electronic form to the address:

[rekrutacja@ifpan.edu.pl](mailto:rekrutacja@ifpan.edu.pl) with Job ID in the subject.

In case of resignation of the winning candidate, the right to nominate the next candidate from the ranking list is reserved.

### Information clause – scholarship competition

Pursuant to Article 13 paragraphs 1 and 2 of Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of individuals with regard to the processing of personal data and on the free movement of such data and repealing Directive 95/46/EC (General Data Protection Regulation) Official Journal of the European Union, L 119, 4 May 2016, page 1, as amended, hereinafter referred to as “GDPR”, we hereby inform as follows:

1. The Institute of Physics of the Polish Academy of Sciences with its registered office in Warsaw, Al. Lotników 32/46, represented by its Director, is the Controller, i.e. an entity deciding about how your personal data will be used. You may contact the Controller using one of the contact forms available on the website: tel. (22) 116-2111, e-mail: [director@ifpan.edu.pl](mailto:director@ifpan.edu.pl)
2. The Director of the Institute of Physics of the Polish Academy of Sciences has appointed the Data Protection Officer (DPO), whom you may contact in matters relating to your personal data, by sending an email to the following address: [iodo@ifpan.edu.pl](mailto:iodo@ifpan.edu.pl)
3. Your personal data will be processed in connection with your participation in the scholarship competition and if you win the competition, in connection with receiving the scholarship – on the basis of your consent – Article 6 paragraph 1 item a GDPR.
4. Your personal data will be processed for a period of 6 months after the end of the scholarship competition and in the case of receiving the scholarship – for a period resulting from legal and tax regulations;
5. Your personal data will be made available to other entities that can finance and settle the scholarship granted and entities authorized under provisions of law. Your data will only be accessed by people authorized by the Controller;
6. Provision of your personal data is mandatory; in the event of failure to do so, you will not be able to participate in the scholarship competition;
7. You have the right to access your data, the right to rectify it and limit processing thereof;
8. You have the right to lodge a complaint to the President of the Office for Personal Data Protection, if you consider that the processing of your personal data violates provisions of the General Data Protection Regulation.

#### **Consent to processing:**

☒ I hereby consent to the processing of my personal data contained in the application/request form by the Institute of Physics of the Polish Academy of Sciences to conduct the scholarship competition and in the case of being granted the scholarship, to pay and settle it. I provide my personal data voluntarily and I declare that it is accurate. I have read the content of the information clause.

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Date and signature