



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



**Job ID: # JOB 4/2024**

## Job Description

**Job Title:** Master student, scholarshipholder in the theory of quantum few-body systems

**Job Summary:**

Theoretical studies of strongly correlated multi-component few-body fermionic systems and their collective properties

**Job Description:**

The student will participate in the theoretical project "Quantum correlations in multi-component systems of several fermions" inspired by the most recent experiments in the field of ultra-cold gases confined in optical traps. The main objective is to perform very accurate, realistic numerical simulations which will bring us closer to a better understanding of physics of multi-component fermions mixtures.

Profile of a candidate for the position:

- BSc degree in the field of physics, ideally focusing on theoretical physics,
- courses passed: Quantum Mechanics, Statistical Mechanics, Numerical Methods
- programming skills,
- research experience in the field of theoretical physics,
- experience in numerical modeling of quantum systems is beneficial.

The project is granted by the (Polish) National Science Centre.

**Main research field:** Physics

**Sub Research Field:** Quantum mechanics

**Career Stage:** Early stage researcher or 0-4 yrs (Post-graduate)

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

**Type of Contract:** Temporary for 12 months with possible extension to 24 months.

**Salary:** 2000 PLN per month (untaxed scholarship)

## Contact

More information can be obtained from

prof. Tomasz Sowiński (e-mail: [tomsow@ifpan.edu.pl](mailto:tomsow@ifpan.edu.pl), [www.ifpan.edu.pl/~tomsow](http://www.ifpan.edu.pl/~tomsow)).

## Application details

**Application deadline:** February 4, 2024. Later applications will not be considered.

**Required materials:**

- Curriculum Vitae
  - List of publications
  - Motivation letter
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- Consent to process your personal data  
(expressed on the form attached to this announcement)

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.



## DATA PROCESSING UNDER CONSENT FOR THE PURPOSES OF RECRUITMENT

Under Art. 13 sections 1 and 2 of the Regulation of the European Parliament and of the Council (EU) 2016/679 of 27 April 2016 on the protection of natural persons 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 Resolution), EU OJ L 119 of 04.05.2016, page 1, as amended, hereinafter referred to as "GDPR", we hereby inform as follows:

1. The Data Controller of the provided personal data is the Institute of Physics of the Polish Academy of Sciences, Al. Lotników 32/46, 02-668 Warsaw, phone (22) 116-2111, e-mail [director@ifpan.edu.pl](mailto:director@ifpan.edu.pl).
2. Contact details to the Data Protection Officer are as follows: e-mail [iodo@ifpan.edu.pl](mailto:iodo@ifpan.edu.pl)
3. Your personal data shall be processed for the purpose of carrying out the recruitment process for the position of scholarshipholder.
4. Processing of your personal data in scope of: full name, date of birth, correspondence address, information about education and course of past employment shall take place under Art. 22<sup>1</sup> § 1 of the Act of 26 June 1974 - Labour Code. In the scope in which you sent to us more personal data than indicated above, we process your data under the consent granted by you.
5. Your personal data shall be stored for 1 month from completion of the recruitment process. If you grant consent for processing of personal data for future recruitments, we shall process your data until withdrawal of the consent by you, however, no longer than for the period of 6 months from the day of submittal of the application by you.
6. Provision of the abovementioned data in the scope indicated above is a statutory requirement resulting from Art. 22<sup>1</sup> § 1 of the Act of 26 June 1974 - Labour Code, in the remaining scope it is voluntary. Failure to provide the data referred to in Art. 22<sup>1</sup> § 1 of the Act of 26 June 1974 - Labour Code precludes consideration of your candidacy for the offered position.
7. You have the right to access your personal data, to rectify them, erase them, restrict their processing.
8. You may submit a complaint to the Inspector General for the Protection of Personal Data.
9. You have the right to withdraw the consent to process your personal data in the scope in which they were provided at any time. Withdrawing the consent does not affect the lawfulness of processing carried out on the basis of consent before its withdrawal.

Consent content:

*I grant my consent to the Institute of Physics of the Polish Academy of Sciences to process my personal data contained in the sent recruitment documents for the purpose of carrying out the recruitment process for the position of scholarshipholder.*

If you want us to consider your candidacy also in the future recruitment processes, please grant the additional consent:

*I grant my consent to the Institute of Physics of the Polish Academy of Sciences to process my personal data contained in the sent recruitment documents in future recruitment processes taking place during 6 months from the day of appearance of this job advertisement.*

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