# Announcement of the call for proposals to the Doctoral School of the Institute of Immunology and Experimental Therapy of the Polish Academy of Sciences as part of special recruitment no. 2/2026 for the NCN research project

Recruitment is conducted in accordance with the Law on Higher Education and Science of 20 July 2018, the Regulations of the Doctoral School of the Institute of Immunology and Experimental Therapy of the Polish Academy of Sciences, and the Rules of Recruitment to the Doctoral School of the Institute of Immunology and Experimental Therapy of the Polish Academy of Sciences.

## Recruitment Information

Date of announcement: 22.01.2026

Application deadline: 12.02.2026

Interview: 24-25.02.2026

Announcement of the outcome: until 28.02.2026

Date of start of education: 01.03.2026

Discipline: Biological Sciences

Number of beds: 1

IITD PAS website: hirszfeld.pl

Website of the IITD PAS Doctoral School: szkoladoktorska.hirszfeld.pl

If no formally correct application is received within the stipulated time, the deadline for accepting applications may be extended.

## Information on the NCN research project under which the doctoral thesis will be carried out

Grant title:

Functions of the AMOTL1 protein in dopaminergic and serotonergic systems in the brain

Short Description:

The aim of the project is to understand the function of the Amotl1 protein in the central nervous system. Our initial studies have shown that this protein plays an important role in brain organization and regulates mouse behavior. Animals with a deletion of the Amotl1 gene exhibit behavioral abnormalities characteristic of mouse models of neuropsychiatric diseases

(unpublished results ). The current project aims to investigate the function of Amotl1 specifically in the serotonergic and dopaminergic systems. To date, there are no publications on the function of Amotl1 in neurons, so the proposed project is innovative and very likely to yield results that will significantly contribute to the development of knowledge in neuroscience.

Grant Leader:

Dr hab. Tomasz J. Prószyński, Łukasiewicz PORT – Polish Centre for Technology Development, Stabłowicka 147, 54-066 Wrocław, Synaptogenesis Research Group, tomasz.proszynski@port.lukasiewicz.gov.pl

## A doctoral project that will be carried out by a PhD student

Topic/title of the doctoral thesis:

Functions of the AMOTL1 protein in dopaminergic and serotonergic systems in the brain

A brief description of the works to be carried out as part of the doctoral thesis:

The PhD student will conduct research to understand the function of the AMOTL1 protein in serotonergic and dopaminergic neurons in the brain. In particular, the PhD student will develop genetic models to assess the impact of AMOTL1 deletion specifically in the serotonergic and dopaminergic systems on animal behavior and on brain structure and function at the tissue, cellular, and molecular levels.

Place of the doctoral project:

Łukasiewicz PORT – Polish Centre for Technology Development, Stabłowicka 147, 54-066 Wrocław, Synaptogenesis Research Group

Supervisor:

Tomasz J. Prószyński, PhD, Łukasiewicz PORT – Polish Centre for Technology Development, Stabłowicka 147, 54-066 Wrocław, Synaptogenesis Research Group, tomasz.proszynski@port.lukasiewicz.gov.pl

## Requirements for the candidate

1. Education: Master's degree

2. Skills:

- strong motivation for research work, scientific curiosity, and willingness to cooperate with domestic and foreign colleagues
- experience in laboratory work
- knowledge of molecular biology and neurobiology techniques
- teamwork-oriented attitude, willingness to teach and supervise other employees, and to share knowledge and experience
- no contraindications to working with mice

3. A very good knowledge of English is required

## PhD Scholarship

The doctoral scholarship will be paid for 48 months in the amount of:

a) Before the mid-term evaluation (I and II year) – PLN 3466.90 gross/month;

b) After the mid-term assessment (III and IV year) – PLN 5340.90 gross/month.

## Responsibilities of a PhD student

1. Implementation of scientific work in the project, aimed at investigating the function of Amotl1 in the brain
2. Conscientious performance of tasks
3. Continuous scientific development and expansion of knowledge
4. Presentation of results at scientific conferences of national and international scope
5. Implementation of the program of the Doctoral School of the Institute of Physics of the Polish Academy of Sciences
6. The PhD student will also participate in the preparation of manuscripts for publication and scientific research reports
7. Performing experiments and surgical procedures on mice

## Required Admission Documents

1. Application form (szkoladoktorska.hirszfeld.pl/rekrutacja/)

2. Documents listed in the "Recruitment Rules", (szkoladoktorska.hirszfeld.pl/zasady-rekrutacji/), §1, point 8. In particular, the following are important:

- a diploma of completion of master's or equivalent studies with a supplement (in case of a diploma from outside the European Union, it is necessary to legalize the diploma and the supplement);

- confirmation of knowledge of English at the B2 level or higher in the form of a certificate or information in the diploma supplement that an English language course has been passed in the course of studies or a certificate that English was the language of instruction during the implementation of the study program; Certification is not required for citizens of countries where English is the official language;

- a cover letter containing a brief description of your interests and justification of your intention to undertake education at a doctoral school and the implementation of a selected doctoral project;

- a statement that in the event of admission to the SD IITD PAN, it will be the only doctoral school in which the candidate will be educated;

## How to submit applications

1. In electronic form – to the address sd.iitd@hirszfeld.pl (preferred method), with the note "Recruitment 2/2026"; The originals of the selected documents must be provided before the start of education.
2. In person – at the Main Secretariat of the Institute of Immunology and Experimental Therapy of the Polish Academy of Sciences at 12 Weigla Street in Wrocław, from 9:00 a.m. to 3:00 p.m.

## Additional information

Concerning the recruitment process and the functioning of the doctoral school – sd.iitd@hirszfeld.pl

Concerning the doctoral project – tomasz.proszynski@port.lukasiewicz.gov.pl