



WROCŁAWSKA SZKOŁA DOKTORSKA INSTYTUTÓW POLSKIEJ AKADEMII NAUK

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Special Recruitment to the Wrocław Doctoral School of Institutes of Polish Academy of Sciences in the Division of Biomedical Physicochemistry of the Institute of Low Temperature and Structure Research of Polish Academy of Sciences for PhD Student – Scholarship holder in the Research project FNP First Team. nr FENG.02.02-IP.05- 0018/23 (Foundation for Polish Science)

Institution: Wrocław Doctoral School of Institutes of Polish Academy of Sciences,

Institute of Low Temperature and Structural Research, Polish Academy of Sciences

Position: PhD student – scholarship holder in the NCN research project

Scientific discipline: Chemical science, physical science

Date of announcement: **03.10.2025**

Application deadline: **04.11.2025**

Online interview date: **17-21.11.2025**

Date of competition settlement: Recruitment results will be announced within 7 days after the end of the interviews.

Planned date of commencement of education and participation in the project: **01.12.2025**

Link to WDS IPAS website: <https://www.intibs.pl/en/for-students/doctoral-school.html>

Link to ILTSR PAS website: <https://www.intibs.pl/en>

Keywords: luminescence thermometry, luminescence manometry, optical spectroscopy, transition metal ions and lanthanide ions

Wrocław Doctoral School of Institutes of Polish Academy of Sciences (WDS IPAS) announces a special recruitment for a PhD student – scholarship holder in the research project: “Smart luminescent paints sensitive to temperature and pressure changes for advanced applications”, carried out on behalf of the Foundation for Polish Science



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(grant no. FNP First Team grant. No. FENG.02.02- IP.05-0018/23 with funds from the 2nd Priority of the Program European Funds for Modern Economy 2021-2027 (FENG)) by Main Contractor prof. dr hab. Łukasz Marciniak in the Division Biomedical Physicochemistry of the Institute of Low Temperature and Structure Research of Polish Academy of Sciences in Wrocław.

Recruitment is conducted in accordance with the Rules of Recruitment to the Wrocław Doctoral School of Institutes of Polish Academy of Sciences <https://www.intibs.pl/en/for-students/rules-of-recruitment.html>

Requirements for the candidate

The application should include a filled **application form** at the link <https://www.intibs.pl/en/for-students/rules-of-recruitment.html> and presented in Polish or English:

- **diplomas:** matriculation or higher secondary school certificate, Bachelor's (engineering), Master's Degree diploma in chemistry, Physics, material engineering or related disciplines or an equivalent certificate of graduation, legalized according to the Rules of Recruitment.*
- **a duplicate** (certified copy) of the entire grade book/Transcript of Records of the first- and second-cycle program (or full-cycle Master's degree program), or a **supplement** to the degree with grades from the entire course of study, or **a student's grading report from all years of their studies confirmed by the Dean's Office**, together with the calculated average grade from their studies, but the supplement (transcript) to the Master degree should be legalized according to the Rules of Recruitment *;

** In the case of obtaining a professional title MSc outside the European Union - additionally originals of MSc diploma and its transcript with grades, both certified with an apostille or authenticating (legalization) in the diplomatic representation of the Republic of Poland (in that country). Documents submitted without proper authentication will be considered as not meeting formal requirements.*



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- **a certificate of English-language skills at B2 level** or higher or information in the diploma supplement that the candidate completed an English course at the required level as part of the university program (if the supplement does not describe the level of the course, a certificate from the Dean's Office is required; the certificate is not required from citizens of countries where English is the official language or English was the language of instruction during the implementation of the study program (Bachelor's, Master's or double-degree),
- **a cover letter** with an indication of the research topics within the framework of the research project;
- **additional documents** proving the candidate's suitability for scientific work (list of publications and conference presentations, list of completed courses and postgraduate studies, obtained language certificates, activity in scientific circles, and activities popularizing science, etc.).

Doctoral Student Responsibilities

Synthesis of inorganic materials doped with lanthanide and transition metal ions

Characterization of luminescent properties of the obtained phosphors as a function of temperature and pressure. Analysis of the obtained results, preparation of reports on the conducted research, preparation of scientific publications

Scholarship

The doctoral scholarship will be paid a maximum of 4 years in the monthly amount of:

- 6500 PLN (*the amount will be reduced by the cost of mandatory social security contributions, etc., about 24%*) until the month in which the doctoral student's mid-term evaluation at the doctoral school was conducted
- 7700 PLN (*the amount will be reduced by the cost of mandatory social security contributions, etc., about 24%*) after the month in which the student's mid-term evaluation at doctoral school was conducted



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The scholarship will be paid after deduction of all components, in accordance with the applicable regulations and in accordance with the Act of 20 July 2018 Law on Higher Education and Science (Journal of Laws of 2024, item 1571 ct. 2024.10.24).

Joining the competition

Candidates wishing to enter the competition should submit all documents specified in the Rules of Recruitment to the Wrocław Doctoral School of Institutes of the Polish Academy of Sciences

<https://www.intibs.pl/en/for-students/rules-of-recruitment.html>

Candidates' applications for admission to the School must be submitted by **04.11.2025**

- by email to the address wsdipan@intibs.pl (preferred method of application); however, the original documents should be delivered before the studies start (a failure to meet this requirement will result in the candidate's name being removed from the list of doctoral students),
- in person at the School's Secretariat Office at the Institute of Low Temperature and Structure Research of the Polish Academy of Sciences, Okólna Street 2, Wrocław, Poland; from 9 a.m. to 3 p.m.

Description of the research project and the PhD thesis

The aim of the project is the development of luminescent paints based on inorganic phosphors doped with transition metal and lanthanide ions sensitive to changes in temperature and pressure. .



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Additional information

For additional information, please contact the project main contractor prof. dr hab. Łukasz Marciniak (l.marciniak@intibs.pl).

Personal information

Candidates' personal data are collected and processed by the Institute of Low Temperature and Structure Research of Polish Academy of Sciences in Wrocław in accordance with the information on personal data processing available at <https://bip.intibs.pl/artykuly/rodo-1>