



**Institute of Molecular Physics**  
**Polish Academy of Sciences**  
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**Director of the Institute of Molecular Physics of the Polish Academy of Sciences**  
announces recruitment for the assistant professor  
at the Department of Thin Films and Nanostructures (ZN3)

**Institution:** Institute of Molecular Physics of the Polish Academy of Sciences (IMP PAS)  
[PL: Instytut Fizyki Molekularnej Polskiej Akademii Nauk (IFM PAN)]

**City:** Poznań, Poland  
**Position:** assistant professor  
**Scientific discipline:** physical sciences (or similar)  
**Opening date:** 16 October 2024  
**Application deadline:** 8 November 2024, 15:00 CET  
**Website:** <https://www.ifmpan.poznan.pl/en/>

**Keywords:** solid state physics, surface physics, condensed matter properties, physics of magnetism

## **I. Offer description:**

- Preparation of nanostructures and magnetic layered systems using physical vapor deposition methods (mainly using magnetron sputtering and laser ablation);
- Fabrication of magnetic structures using lithographic techniques;
- Conducting research on the magnetic properties of fabricated structures, in particular using magneto-optical techniques;
- Optimization of thin film patterning processes, especially using ion beams;
- Analysis of the results and contribution to the preparation of publications.

## **II. Requirements for candidates:**

### **1. Research career stage:**

R2: Recognised Researcher (PhD holders or equivalent who are not yet fully independent).

More information on career stages: <https://www.more-4.eu/indicator-tool/career-stages-r1-to-r4>.

### **2. Required education:**

- in the discipline physical sciences (or similar);
- academic degree: doctor.

### **3. Required qualifications and skills:**

- knowledge of the basic measurement methods in solid state physics, especially in physics of magnetism;
- experience in experimental research on magnetic thin film, particularly in films subjected to the magnetic patterning process;

- documented scientific achievements (publications, talks, awards, etc.);
- good knowledge of programs available for research analysis (Microsoft Office, Origin, Mathematica, etc.).

**4. Special requirements:**

- experience in research carried out in “Clean room”;
- knowledge of the deposition of layered systems using magnetron sputtering methods and/or laser ablation;
- experience in using lithographic techniques.

**5. Knowledge of English:** good, enabling communication with other team members.

**6. Scientific experience required:**

- in the discipline of physical sciences or similar;
- in the topic of: solid-state physics, surface physics, condensed matter properties, magnetic layered systems.

**7. Professional experience required:**

4-10 years (including research experience)

**III. Duration of the employment:** to be determined individually (in accordance with regulations)

**IV. Type of contract:** full-time job

**V. Expected date of employment start:** December 2024

**VI. Employment type:** employment contract

**VII. Salary:** approximately 6840 PLN gross per month  
(approximately six thousand eight hundred and forty)

**VIII. Number of positions offered:** 1

**IX. Job benefits:** excellent working conditions, state-of-the-art technical facilities, international cooperation

**X. Required documents:**

1. application (including concise information about the candidate's scientific interests and important achievements – no more than 3 500 characters);
2. CV (including information on: scientific experience as described under II.3, II.4, and II.6; education and the course of scientific careers, internships and scientific training, conference presentations and seminars, prizes and awards, participation in research projects, acquired funds, organizational achievements, etc.);
3. list of scientific publications;
4. a scan or photocopy of the PhD degree diploma;
5. consent to the processing of personal data for recruitment purposes – Appendix No. 1;
6. statement that if the contest is won, Institute of Molecular Physics Polish Academy of Sciences will be the primary place of work within the meaning of the Act of 20 July 2018 *Law on Higher Education and Science* (Journal of Laws of 2018, item 1668, as amended) – Appendix No. 2;
7. optionally, an opinion of the supervisor or leader of the group in which the research was conducted.

**Documents in languages other than Polish or English must be translated to Polish or English.**

**XI. Method of submitting offers:**

Applications with the annotation “**Competition for an assistant professor at the Department of Thin Film and Nanostructures – ZN3 – No. 02/2024**” should be delivered to the Institute’s address or sent to the e-mail address: [director@ifmpan.poznan.pl](mailto:director@ifmpan.poznan.pl)

**Contact person:**

Head of the Department of Thin Films and Nanostructures

Dr. hab. inż. Piotr Kuświk, prof. IFM PAN

e-mail address: [kuswik@ifmpan.poznan.pl](mailto:kuswik@ifmpan.poznan.pl)

**XII. Qualification criteria:**

- 1) Scientific achievements in the field of experimental research on magnetic thin films;
- 2) Knowledge of experimental methods for magnetic materials, especially for magnetic thin films;
- 3) Knowledge of the thin film deposition techniques and their magnetic patterning.

**XIII. Qualification process:**

- 1) Job application competition;
- 2) Possible interview (on-site or video conference) with the best candidates.

Candidate ratings will be done by the Competition Commission appointed by the Director. A candidate with a negative opinion may appeal against the results of the evaluation to the Director within 7 days from the date of receipt of the Competition Committee's opinion.

**XIV. Expected date of the results announcement:** November 2024**XV. Additional information:** IMP PAS does not provide accommodation.

## **DISCLAIMER:**

According to art. 13 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 (Journal of Laws UE L 119/1 of 4.5.2016), hereinafter referred to as GDPR, we inform that:

1. The administrator of your personal data is the Institute of Molecular Physics Polish Academy of Sciences in Poznań, ul. Mariana Smoluchowskiego 17.
2. Your personal data will be processed for the duration of the recruitment process.
3. You have the right to request from the administrator access to personal data, the right to correct them, delete or limit processing, the right to object to the processing of personal data, as well as the right to transfer data.
4. You have the right to withdraw your consent at any time. The above does not affect the compliance with the law, which was made on the basis of your consent before it was withdrawn.
5. It is possible to lodge a complaint with the supervisory body - the President of the Office for Personal Data Protection.
6. Providing personal data is voluntary.
7. Your data will not be shared with entities other than entities authorized on the basis of applicable law.
8. The administrator will not transfer your personal data to recipients in third countries and international organizations.

**Consent for the processing of personal data for recruitment purposes**

I agree to the processing of personal data provided in this document for realising the recruitment process pursuant to the Personal Data Protection Act of 10 May 2018 (Journal of Laws 2018, item 1000) and in agreement with Regulation (EU) 2016/679 of the European Parliament and of the Council 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 Regulation).

.....  
Name

.....  
Date and signature

**DECLARATION**

I declare that if I win the Contest the Institute of Molecular Physics of the Polish Academy of Sciences will become my primary place of work within the meaning of the Act of 20 July 2018, *Law on Higher Education and Science* (Journal of Laws of 2018, item 1668, as amended).

.....  
Name

.....  
Date and signature