



**Institute of Molecular Physics**  
**Polish Academy of Sciences**  
Mariana Smoluchowskiego 17, 60-179 Poznań, Poland  
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**Director of Institute of Molecular Physics, Polish Academy of Sciences**  
announces recruitment for the assistant professor  
at the Department of Thin Film

**Institution:** Institute of Molecular Physics 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:** 7 March 2022

**Application deadline:** 21<sup>st</sup> March 2022, 15:00 CET

**Website:** <http://www.ifmpan.poznan.pl>

**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 (magnetron sputtering, laser ablation) and electron beam lithography;
- Conducting research on the magnetic properties of fabricated structures, in particular using magneto-optical techniques;
- Optimization of thin film patterning processes;
- Analysis of the results and participation in 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.more3.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 measurements methods in solid state physics, especially in physics of magnetism;
- experience in experimental on magnetic thin film, in particular on ferrimagnetic films
- 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 rooms;
- knowledge of the deposition of layered systems using magnetron sputtering methods and/or laser ablation.

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

**6. Scientific experience required:**

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

**7. Professional experience required:** 1-4 years

**III. Duration of the employment:** to be determined individually based on the current regulations.

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

**V. Expected date of employment start:** 1 April 2022

**VI. Employment type:** employment contract

**VII. Salary:** in accordance with the current Law (approximate gross salary 4680,00 PLN brutto)

**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;
2. summary of professional accomplishments including scientific interest and important achievements (size not exceeding 3500 printing characters);
3. CV including information on 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.;
4. list of scientific publications;
5. a scan or photocopy of English certificate for non-native English speakers;
6. a scan or photocopy of the PhD degree;
7. opinion of at least two independent researchers (conducting independent research or leading an independent research team)
8. consent to the processing of personal data for recruitment purposes (Appendix No. 1);
9. 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;

**Documents in other languages than Polish or English should be translated into Polish or English.**

**XI. Method of submitting offers:**

Applications with the annotation "Competition for an assistant professor - Z3 no 02" 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 Department of Thin Films  
dr hab. inż. Piotr Kuświk, prof. IFM PAN,  
[kuswik@ifmpan.poznan.pl](mailto:kuswik@ifmpan.poznan.pl)

**XII. Qualification criteria:**

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

**XIII. Qualification process:**

1. Job application competition;
2. Possibility online interview with the best candidates,

The selection will be made by the IMP PAS Scientific Council Committee for the Training of Young Scientific Staff in accordance with the regulations of competitions for hiring an assistant and assistant professor at IMP PAS

**XIV. Expected date of the results announcement:** 31<sup>st</sup> March 2022

**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 RODO, 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.

**Appendix 1**

**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