



**Institute of Molecular Physics**  
**Polish Academy of Sciences**  
Mariana Smoluchowskiego 17, 60-179 Poznań, Poland  
[www.ifmpan.poznan.pl](http://www.ifmpan.poznan.pl)  
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**Director of Institute of Molecular Physics, Polish Academy of Sciences**  
announces a recruitment for the position of professor  
at the Department of Magnetic Alloys (Z11)

**Institution:** Institute of Molecular Physics Polish Academy of Sciences (IMP PAS)

(PL: Instytut Fizyki Molekularnej Polskiej Akademii Nauk /IFM PAN/)

**City:** Poznań, Poland

**Position:** professor

**Scientific discipline:** physical sciences

**Opening date:** 11<sup>th</sup> April 2022

**Application deadline:** 22<sup>th</sup> April 2022, 15:00 CEST

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

**Key words:**

solid state physics, magnetism, properties of condensed matter, metallic glasses, magnetocaloric effect, thermoelectric force, nanocrystalline soft magnetic materials, permanent magnets

**I. Offer description:**

Title of the scientific task: Magnetic and transport properties, including magnetocaloric effect and thermoelectric force in intermetallic compounds and structurally metastable alloys and topological semimetals

Project description: In the scope of the aforementioned statutory task of the Department of Magnetic Alloys (Z11), the Candidate will conduct research on the structural, magnetic, electrical and thermal properties of structurally metastable systems (amorphous and nanocrystalline). Interpretation of the obtained results should be based on appropriately selected physical models. His duties will include planning the work taking into account the current research topics.

Research objectives: Explaining of the observed properties and phenomena. Preparation of scientific publications, presentation of results at national and international conferences.

**II. Requirements for candidates:**

**1. Research career stage:**

R4: Leading Researcher (researchers leading their research area or field).

More information on career stages: <https://www.more3.eu/indicator-tool/career-stages-r1-to-r4>

**2. Required education:**

- in the discipline: physical sciences

- professional title, academic degree or academic title: professor

**3. Required qualifications and skills:**

The candidate should have recognized scientific achievements in the field of experimental studies of metallic amorphous structures, their production and characterization, documented by publications in reputable scientific journals and conference presentations. It is advisable to have experience in managing research teams, participate in the implementation of scientific projects and the ability to promote science, in particular the organization of international scientific conferences.

**4. Special requirements:**

Knowledge of research topics related to metallic compounds and amorphous structures containing rare earth ions, in particular the magnetic properties of structurally metastable metallic systems (nanostructure/properties relationship), magnetism and relaxation processes in small particle systems, transport phenomena in granular solids, magnetically hard compounds, magnetically soft intermetallic alloys as well as the magnetism of luminescent materials. The candidate's experience in conducting research with the use of large research infrastructures (e.g. neutron and synchrotron research, etc.) is recommended.

**5. Knowledge of English:** good, should allow free communication

**6. Scientific experience required:**

- in the discipline: physical sciences;  
- on the topic of: solid state physics, magnetism, condensed matter properties (amorphous and nanocrystalline)

**7. Professional experience required:** over 10 years

**III. Duration of the employment:** to be determined individually

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

**V. Expected date of employment start:** 1<sup>st</sup> May 2022

**VI. Employment type:** employment contract

**VII. Salary:** in accordance with the law

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

**IX. Job benefits:**

a diverse and inclusive work environment, balance between work and family life, flexible working hours, the opportunity to benefit from annual leave, seniority increment, jubilee benefits, benefits from the social fund, co-financing for the purchase of glasses, possibility of the group insurance offer, free parking

**X. Required documents:**

1. Application;
2. 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.;
3. list of scientific publications;
4. a scan or photocopy of the academic title;

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. opinion of the head of the division or of the head of research department - optional.

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

**XI. Method of submitting offers:**

Applications with the annotation professor – **Z11 – no. 04** 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:**

Name: Prof. dr. hab. Tomasz Toliński

e-mail: [tomtol.@ifmpan.poznan.pl](mailto:tomtol.@ifmpan.poznan.pl) , phone: +48 (0)61 869 52 49

**XII. Qualification criteria:**

1. The candidate's scientific achievements in conducting research in the scope indicated in the offer.
2. The candidate's scientific and professional experience based on participation in conferences, workshops, trainings and internships, participation in research projects, involvement in scientific and organizational activities.

**XIII. Qualification process:**

1. Job application competition.
2. The best-ranked candidates may be invited to a hybrid interview (either on-site interview or videoconference) and/or a seminar presentation.

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:** 28<sup>th</sup> April 2022

**XV. Additional information:** IPM 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).

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Name

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Date and signature