



**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 a recruitment for the position of assistant professor  
at the Department of Auxetics, Functional Materials and Computer Simulations (ZN 1)

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

**City:** Poznań, Poland

**Position:** assistant professor

**Scientific discipline:** physical science

**Opening date:** 14.08.2023

**Application deadline:** 04.09.2023, 15:00 CEST

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

**Key words:** electron paramagnetic resonance (EPR), quantum mechanics, solid state physics, condensed matter properties, biophysics, applied physics.

## **I. Offer description:**

Research in the field of carbon and polymer studies using spectroscopic techniques with particular emphasis on electron paramagnetic resonance techniques in the temperature range of 4.2 - 300 K. Interpretation and publication of the obtained results in high-impact journals.

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

**1. Research career stage:** R3 (established researcher who has developed a certain level of independence)

More information on career stages:

<https://euraxess.ec.europa.eu/europe/career-development/training-researchers/research-profiles-descriptors>

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

- in the discipline of physical sciences;
- professional title, academic degree or academic title: at least doctor.

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

- extensive experimental experience in the field of electron paramagnetic resonance (e.g. pulsed, continuous wave and imaging EPR);
- experience in the preparation of carbon and polymer samples;
- experience in working with cryogenic liquids, e.g. liquid helium, liquid nitrogen;
- knowledge of computational and experimental methods used for interpretation and analysis of EPR spectra;

- well-documented scientific achievements (grants, publications, conference presentations, awards, postdoctoral fellowships, etc.).

**4. Special requirements:** experience in the use of pulse techniques, continuous wave and imaging of electron paramagnetic resonance in the field of research on carbon and polymer materials

**5. Knowledge of English:** B2 level

**6. Scientific experience required:**

- in the discipline of physical sciences;
- on the topic of electron paramagnetic resonance, quantum mechanics, solid state physics, condensed matter properties, biophysics, applied physics;
- good knowledge of computer programs, e.g. Microsoft Office, Origin, ImageJ, Autodesk Inventor, Mathematica, MATLAB, EasySpin.

**7. Professional experience required:** 4-10 years

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

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

**V. Expected date of employment start:** 01.10.2023

**VI. Employment type:** employment contract

**VII. Salary:** about 4150 PLN net

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

**IX. Job benefits** (including, among others, a description of working conditions and information on professional development opportunities): excellent working conditions and opportunities for cooperation across disciplines, modern technical facilities and experienced scientific staff of the Department can be helpful in further scientific and professional development of the candidate – the possibility of promotion according to the scientific career path, balance between work and family life, flexible working hours, a diverse and inclusive work environment.

**X. Required documents:**

1. an application;
2. CV including information on education and the course of scientific careers, information on internships and scientific training, conference presentations and seminars, prizes and awards, participation in research projects, acquired funds, organizational achievements, description of scientific experience according to the point II.3 and II.6, etc.;
3. a list of scientific publications;
4. a scan or photocopy of the diploma of academic degree or academic title;
5. a consent to the processing of personal data for recruitment purposes (Appendix No. 1);
6. a statement that if the contest is won, the Institute of Molecular Physics of the 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, supervisor's opinion or reference letters in the case of young researchers.

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

**XI. Method of submitting offers:**

applications with the annotation **“Competition for the position of assistant professor at the Department of Auxetics, Functional Materials and Computer Simulations – ZN 1 – 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)

**Additional information is provided by:**

Head of Department of Auxetics, Functional Materials and Computer Simulations

Prof. DSc. PhD. Krzysztof W. Wojciechowski

e-mail: [Krzysztof.Wojciechowski@ifmpan.poznan.pl](mailto:Krzysztof.Wojciechowski@ifmpan.poznan.pl)

**XII. Qualification criteria:**

- scientific experience described in points II. 3 and II. 6;
- confirmation of EPR experience (a number and quality of scientific publications, Hirsch index > 15);
- postdoctoral researcher experience.

**XIII. Qualification process:**

- job application competition;
- possible interview with the best candidates.

Candidate ratings will be done by the Competition Commission appointed by the Director of the Institute of Molecular Physics of the Polish Academy of Sciences. 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 opinion.

**XIV. Expected date of the results announcement:** September, 2023

**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