



**Institute of Molecular Physics
Polish Academy of Sciences**
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Poznań, 23.08.2019

Director of Institute of Molecular Physics PAS
opens a recruitment for
Post-doc position
in SONATA BIS 8 Research Project

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

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

City: Poznań, Poland

Position: Post-doc

Scientific discipline: physics, material engineering

Opening date: 23 August 2019.

Application deadline: 30 September 2019; 15:00 CEST

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

Key words: solid state physics, condensed matter properties, computational physics, applied physics.

I. Offer description

Title of the scientific project: SONATA BIS 8: *Layered nanostructures for permanent magnet and spintronic applications*

Principal investigator: Dr. Mirosław Werwiński

Project description: The project concerns the first principles calculations to give an atomic-scale picture of the magnetic properties of tunnel junctions and spin valves. The obtained results will be used to develop the idea of a spin valve on a single monolayer.

Research objectives:

- ab initio calculations (using the density functional theory DFT) of magnetic properties of layered systems;
- performing of the Monte Carlo computer simulations of properties of layered systems and solid materials.

II. Requirements for candidates:

1. **Researcher profile:** recognised researcher (R2).
2. **Research fields:** condensed matter physics, material science, computational physics.

3. Required level of education: PhD in physics or material engineering or related granted not earlier than 7 years* before the year of a start of an employment.

4. Skills/qualifications:

- knowledge in the field of solid state physics and physics of magnetism,
- the basic skills in programming.

5. Specific requirements: not applicable

6. Required languages: English - excellent

7. Required research experience:

- filed: physics sciences or material engineering,
- in the subject: solid state physics, condensed matter properties, computer physics or applied physics,
- years of experience: 1-4.
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- filed: material engineering,
- years of experience: 1-4

III. Duration of the employment: 12 months, with the possibility of extending up to 34 months

IV. Type of contract: temporary

V. Job status: full-time

VI. Hours per week: 40

VII. Envisaged job starting date: November 1st 2019

VIII. Salary: 8000 PLN/month

IX. Number of positions available: 1

X. Benefits: raising the level of competence, acquiring new knowledge, experience and skills, establishing scientific cooperation.

XI. Required documents:

1. Application,
2. CV covering: summary of professional accomplishments, brief description of scientific interests and achievements, as well as information about participation in scientific projects, schools and internships,
3. Copy or scan of PhD degree diploma,
4. Copy or scan of PhD thesis,
5. Copy of scan of language certificate (if any),
6. Copy or scan of candidate's publications,
7. References from PhD thesis supervisor (optional),
8. Consent to the processing of personal data (Appendix 1).

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

XII. Applying for the position:

Applications with the title "Opening for the post-doc position- Sonata Bis 8 - Z2 – no. 08" should be sent by e-mail.

e-mail: werwinski@ifmpan.poznan.pl

Contact:

Mirosław Werwiński, PhD
e-mail: werwinski@ifmpan.poznan.pl
phone: +48 (0)61 8695125

XIII. Eligibility criteria:

- candidate's ability to fulfill scientific objectives of the project,
- candidate's scientific achievements, including publications,
- distinctions, scholarships, awards, completed scientific trainings, workshops, participation in research projects and scientific experience acquired outside the parent scientific unit in the country or abroad.

XIV. Selection process:

Contest of the applications followed by a short interview via phone or Skype with the best candidates.

The selection will be made by a contest committee.

XV. Results announcement date: 10 October 2019.

XVI. Additional information: IPM PAS does not provide accommodation.

** This period does not include breaks related to: maternity leave, adoption leave, paternal leave, parental leave granted in compliance with the Labour Code, nor periods of sickness benefit or physiotherapy benefit granted on account of being unfit to work, including any caused by a health condition requiring rehabilitation. Women may extend the 7-year period by 18 months for every child born or adopted. A woman may choose whichever manner of accounting for career breaks she finds preferable.*

Z-ca Dyrektora IFM PAN
ds. Naukowych

B. Andrzejewski

dr hab. Bartłomiej Andrzejewski, prof. IFM PAN

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).

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Date and signature