



Institute of Physics of the Polish Academy of Sciences

OPEN POSITION



Job ID: #JOB 24/2022

Job Description

Job Title: Young doctor (Postdoc)

Job Summary:

Conducting research of topological matter in one of MagTop's theoretical teams, see: <http://www.magtop.ifpan.edu.pl/>; in particular, the postdoc will perform relativistic first-principle calculations of topological materials or twisted 2D materials, including description of surface states, calculation of topological invariants and transport properties such as Anomalous Hall effect and Spin-Hall effect.

EURAXESS: Recognized Researcher – R2.

Place of work will be Warszawa.

Job Description:

Conducting experimental research in one of MagTop's teams (<http://www.ifpan.edu.pl/sdvs/en/on6.html>) Teams. Research activity of MagTop is described in its agenda: <http://www.magtop.ifpan.edu.pl/> The [International Centre for Interfacing Magnetism and Superconductivity with Topological Matter – MagTop](#) is the Division (ON-6) of the Institute of Physics, Polish Academy of Sciences (http://www.ifpan.edu.pl/index_en.php) and is funded by a grant awarded to Professors [Tomasz Dietl](#) and [Tomasz Wojtowicz](#) within the International Research Agendas programme of the Foundation for Polish Science, carried out from the funds of the European Regional Development Fund under the Smart Growth Operational Programme (SG OP), Priority Axis 4: Increasing the research potential, Measure 4.3: International Research Agendas (<http://www.fnp.org.pl/en/oferta/international-research-agendas-ira/>). MagTop activities involve strong local and international collaborations, the strategic partner unit being Julius-Maximilians-Universität Würzburg, Germany, particularly the Institute EP3 headed by Professor Laurens W. Molenkamp.

The postdoc could work among different topics of the Magtop agenda including k-space topology, 2D materials, Anomalous Hall Effect and Spin-Hall effect in thin films or 3D materials. Furthermore, there will be a strong connection with experimental teams and other theory groups.

Place of work will be Warszawa.

Main research field: Physics

Sub Research Field: Condensed Matter Physics

Career Stage: Ph.D. in condensed matter physics or related disciplines completed less than 5 years ago, experience in studies of topological matter reflected in the publications will be an advantage. Candidates with good experience in the usage of the following computational techniques are highly preferred: knowledge of the wannier90 code, knowledge of the wanniertools code, use of techniques for strongly correlated electrons within the Quantum espresso code, knowledge of the Mathematica software. Very good knowledge of written and spoken English is required.

Research Profile ([details](#)): Recognized Researcher (R2)

Type of Contract: Contract until December 31st 2023.

Status: Full-time

Salary: 12 000 PLN per month (2 600 € per month), health insurance covered; less than 24% in employee taxes and social security contributions.

Contact

All queries should be submitted to: open_positions@MagTop.ifpan.edu.pl or to Dr. Carmine Autieri (autieri@MagTop.ifpan.edu.pl). Please, mention the Job ID in the subject.

Application details

Application deadline: July 8, 2022, later applications will not be considered.

Required materials:

- Detailed CV (up to 3 pages)
- Full list of publications
- Cover/motivation letter, please mention earliest possible starting date (1 page)
- Contact details to two references
- A statement by the candidate of consent to the processing of personal data for the purposes of recruitment

All materials should be submitted in electronic form to **two addresses:** rekrutacja@ifpan.edu.pl with the Job ID in the subject and open_positions@MagTop.ifpan.edu.pl

DATA PROCESSING UNDER CONSENT FOR THE PURPOSES OF RECRUITMENT

- Under Art. 13 sections 1 and 2 of the Regulation of the European Parliament and of the Council (EU) 2016/679 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 Resolution), EU OJ L 119 of 04.05.2016, page 1, as amended, hereinafter referred to as „GDPR”, we hereby inform as follows:
 1. The Data Controller of the provided personal data is the Institute of Physics of the Polish Academy of Sciences, Al. Lotników 32/46, 02-668 Warsaw, phone (22) 116-2111, e-mail director@ifpan.edu.pl.
 2. Contact details to the Data Protection Officer are as follows: e-mail iodo@ifpan.edu.pl
 3. Your personal data shall be processed for the purpose of carrying out the recruitment process for the position of young doctor (Postdoc).
 4. Processing of your personal data in scope of: full name, date of birth, correspondence address, information about education and course of past employment shall take place under Art. 22¹ § 1 of the Act of 26 June 1974 – Labour Code. In the scope in which you sent to us more personal data than indicated above, we process your data under the consent granted by you.
 5. Your personal data shall be stored for 1 month from completion of the recruitment process. If you grant consent for processing of personal data for future recruitments, we shall process your data until withdrawal of the consent by you, however, no longer than for the period of 6 months from the day of submittal of the application by you.
 6. Provision of the abovementioned data in the scope indicated above is a statutory requirement resulting from Art. 22¹ § 1 of the Act of 26 June 1974 – Labour Code, in the remaining scope it is voluntary. Failure to provide the data referred to in Art. 22¹ § 1 of the Act of 26 June 1974 – Labour Code precludes consideration of your candidacy for the offered position.
 7. You have the right to access your personal data, to rectify them, erase them, restrict their processing.
 8. You may submit a complaint to the Inspector General for the Protection of Personal Data.
 9. You have the right to withdraw the consent to process your personal data in the scope in which they were provided at any time. Withdrawing the consent does not affect the lawfulness of processing carried out on the basis of consent before its withdrawal.

Consent content:

I grant my consent to the Institute of Physics of the Polish Academy of Sciences to process my personal data contained in the sent recruitment documents for the purpose of carrying out the recruitment process for the position of young doctor (Postdoc).

If you want us to consider your candidacy also in the future recruitment processes, please grant the additional consent:

I grant my consent to the Institute of Physics of the Polish Academy of Sciences to process my personal data contained in the sent recruitment documents in future recruitment processes taking place during 6 months from the day of appearance of this job advertisement.