

JOB OFFER

Position in the project:	Doctor with Advanced Research and Development Experience, specialist in theory of semiconductors and magnetic semiconductors
Scientific discipline:	Physics, Sub Research Field: Condensed matter physics
Job type (employment contract/stipend):	Work contract until December 31, 2023, 3/4 of a full-time job
Number of job offers:	1
Remuneration/stipend amount/month (“X0 000 PLN of full remuneration cost, i.e. expected net salary at X 000 PLN”):	Depending on qualifications: up to 11500 PLN per month (before taxes) for ¾ full-time work
Position starts on:	To be arranged with a candidate
Maximum period of contract/stipend agreement:	Contract till 31st December 2023
Institution:	Institute of Physics, PAS, Division ON-6: International Centre for Interfacing Magnetism and Superconductivity with Topological Matter – MagTop
Project leader:	Prof. Tomasz Dietl, Prof. Tomasz Wojtowicz
Project title:	International Research Agenda: International Centre for Interfacing Magnetism and Superconductivity with Topological Matter
Project description:	The International Centre for Interfacing Magnetism and Superconductivity with Topological Matter – MagTop is the Division (ON-6) of the Institute of Physics PAS (http://www.ifpan.edu.pl/index_en.php) and is funded by a grant won by Professors Tomasz Dietl and Tomasz Wojtowicz within the 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/). The Team Leaders are selected <i>via</i> international competitions under the supervision International Scientific Committee chaired by Prof. Laurens W. Molenkamp. 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.
Key responsibilities include:	- carrying out theoretical studies of spin-dependent interactions between magnetic ions in topological II-VI and IV-VI semiconductors, including topological insulators, semimetals, topological crystalline insulators, and other topological materials.

	<ul style="list-style-type: none"> - critical analysis of existing theoretical and experimental data concerning magnetic topological matter - preparing scientific publications - preparing patent application concerning novel ideas - collaboration with experimentalists and theoreticians working on topological matter
Profile of candidates/requirements:	<p>Established Researcher (R3)</p> <p>Career Stage: PhD degree in physics with at least 10 years of research experience after the PhD.</p> <p>Qualifications:</p> <ul style="list-style-type: none"> - A proven ability for outstanding research, which are reflected in applicant's publications - Extensive experience in theoretical studies of II-VI, III-V or IV-VI semiconductors, including magnetic topological semiconductors supported by publications - Experience in envelope function and/or tight-binding methods in application to semiconductors. - Proficiency in spoken and written English (knowledge of Polish is not required)
Required documents:	<p>Curriculum Vitae (up to 3 pages)</p> <ul style="list-style-type: none"> • Full list of publications • Motivation letter, please mention earliest possible starting date (1 page) • Contact data (e-mail) to, at least two potential referees, who agreed to provide letter of support. • Consent to process your personal data • Certificate of obtaining a doctorate issued by an institution recognized in Poland
We offer:	Visit: International Research Centre MagTop
Please submit the following documents to:	All materials should be submitted in electronic form to 2 addresses: rekutacja@ifpan.edu.pl with Job ID (#JOB18/2022) in the subject and: open_positions@MagTop.ifpan.edu.pl
Application deadline:	March 30, 2023
For more details about the position please visit (website/webpage address):	International Research Centre MagTop
Euraxess job/stipend offer (in case of PhD and postdoc positions):	https://euraxess.ec.europa.eu/jobs/82395

Please include in your offer:

“I hereby give consent for my personal data included in my application to be processed for the purposes of the recruitment process under the Personal Data Protection Act as of 29 August 1997, consolidated text: Journal of Laws 2016, item 922 as amended.”

