

## JOB OFFER

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| Position in the project:   | Team leader   |
| Scientific discipline:   | Physics, Sub Research Field: Condensed matter physics   |
| Job type (employment contract/stipend):  | Team leader of experimental team (EURAXESS: Established or Leading Researcher – R3 or R4), contract, full-time  |
| 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”): | 17 000–22 000 PLN per month (4 000 – 5 200€ per month), less than 29% in employee taxes and social security contributions   |
| 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:   | <p>The <a href="http://www.ifpan.edu.pl/index_en.php">International Centre for Interfacing Magnetism and Superconductivity with Topological Matter – MagTop</a> is the Division (ON-6) of the Institute of Physics PAS (<a href="http://www.ifpan.edu.pl/index_en.php">http://www.ifpan.edu.pl/index_en.php</a>) and is funded by a grant won by Professors <a href="#">Tomasz Dietl</a> and <a href="#">Tomasz Wojtowicz</a> 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 (<a href="http://www.fnp.org.pl/en/oferta/international-research-agendas-ira/">http://www.fnp.org.pl/en/oferta/international-research-agendas-ira/</a>). 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.</p> |
| Key responsibilities include:  | <p>Leading of theoretical MagTop’s ON6 (<a href="http://www.ifpan.edu.pl/sdvs/en/on6.html">http://www.ifpan.edu.pl/sdvs/en/on6.html</a>) Team. The team will consist of 1-2 post-doc and 1-2 PhD students and will conduct research described in MagTop’s agenda: <a href="http://www.magtop.ifpan.edu.pl/">http://www.magtop.ifpan.edu.pl/</a>, in particular, using mainly first-principles methods, will treat the interplay between</p>   |

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|   | topological, electronic, magnetic and charge degrees of freedom as well as the competition between different kinds of order. The theoretical group is expected to strongly collaborate with experimental ones involved in study of topological materials grown at MagTop.   |
| Profile of candidates/requirements:   | Ph.D. in physics (preferred), materials science or related disciplines.<br>At least four years' experience as a postdoc researcher<br>Experience theoretical studies of topological matter reflected in the publications<br>Proficiency in spoken and written English; good communication and writing skills (knowledge of Polish is not required)                                  |
| Required documents:   | <ul style="list-style-type: none"> <li>• Detailed CV (up to 3 pages)</li> <li>• Full list of publications</li> <li>• Cover/motivation letter, please mention earliest possible starting date (1 page)</li> <li>• Contact details to three references</li> </ul>   |
| We offer:   | Visit: <a href="#">International Research Centre MagTop</a>   |
| Please submit the following documents to:                                   | All materials should be submitted in electronic form to <b>3 addresses</b> : <a href="mailto:jobs@ifpan.edu.pl">jobs@ifpan.edu.pl</a> with Job ID (#JOB38/2019) in the subject, <a href="mailto:open_positions@MagTop.ifpan.edu.pl">open_positions@MagTop.ifpan.edu.pl</a> and <a href="mailto:Hartmut.Buhmann@physik.uni-wuerzburg.de">Hartmut.Buhmann@physik.uni-wuerzburg.de</a> |
| Application deadline:   | December 1st, 2021  |
| For more details about the position please visit (website/webpage address): | <a href="#">International Research Centre MagTop</a>  |
| Euraxess job/stipend offer (in case of PhD and postdoc positions):          | <a href="https://euraxess.ec.europa.eu/jobs/699628">https://euraxess.ec.europa.eu/jobs/699628</a>   |

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.”