

## JOB OFFER

Position in the project:	Master Student
Scientific discipline:	Physics
Job type:	Stipend
Number of job offers:	1
Stipend amount/month	2000 PLN
Position starts on:	01.03.2019
Maximum period of stipend agreement:	<b>16 months</b>
Institution:	Faculty of Physics, Adam Mickiewicz University in Poznan, Poland
Project leader:	Dr. Bartłomiej Graczykowski
Project title:	<b>Photomechanical Hybrid Membranes Nanomechanics</b> <i>Project is carried out within the First Team programme of the Foundation for Polish Science</i>
Project description:	<p>The last four decades have witnessed tremendous progress in the miniaturization of everyday electronic, optical and mechanical devices. Nowadays, flexible structures made out of atomic monolayers and ultrathin membranes are expected to be the next game-changer. MoS<sub>2</sub> among others offers unique optical, electronic, thermal and mechanical properties. Nevertheless, the inevitable defects ruin their intrinsic strength and lead to fragility. This remains a critical bottleneck in the successful large scale applications.</p> <p>In this project we want to overcome this issue by reinforcing ultrathin membranes with a polymer skeleton mimicking a bone-joint scheme and dedicated architecture. We aim to use this composite and build a novel light-stimulated actuator and a light-driven acoustic filter. As a prerequisite we will develop and perform contactless measurements and engineer the nanomechanics of the components, their interfaces and of the nanocomposite.</p>
Key responsibilities include:	<ol style="list-style-type: none"> <li>1. Measurements by means of light scattering techniques (BLS, Raman)</li> <li>2. Numerical simulations using FEM</li> </ol>
Profile of candidates/requirements:	<ol style="list-style-type: none"> <li>1. Completed Bachelor's degree in the field of physical science and / or related sciences (chemistry, material engineering) <b>with an average grade above 4.5</b></li> <li>2. Background in solid state physics and light scattering spectroscopy</li> <li>3. Optionally, experience with Matlab, Mathematica, LaTeX</li> <li>4. Good command of English</li> </ol>
Required documents:	<ol style="list-style-type: none"> <li>1. CV with scientific achievements</li> <li>2. Copy of the bachelors diploma (original and translation)</li> <li>3. Reference letter from a scientific advisor</li> </ol>
We offer:	<p>We offer participation in high impact research enabling fast career development. In particular:</p> <ul style="list-style-type: none"> <li>- Accesses to unique experimental tools</li> <li>- Dedicated trainings and research visits in MPIP Mainz</li> <li>- Co-supervision from the reputable international expert in the field</li> <li>- Broad international collaboration</li> <li>- Inspiring, young and easy-going working environment</li> </ul>
Please submit the following documents to:	bartlomiej.graczykowski@amu.edu.pl
Application deadline:	<b>25.02.2019</b>
For more details please visit:	<a href="http://haic.home.amu.edu.pl/">http://haic.home.amu.edu.pl/</a>
Euraxess stipend offer:	

### Information clause for jobseekers

Pursuant to Article 13 of Regulation (EU) No. 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 - General Regulation on data protection (Official Journal of the European Union L 119/1 of 04.05.2016) I hereby inform you that.

1. The Controller of your personal data is Adam Mickiewicz University in Poznań with its registered office at 1, HenrykaWieniawskiego Street, 61-712 Poznań.
2. The controller of personal data has appointed a Data Protection Inspector to supervise the correctness of personal data processing, who can be contacted via e-mail address: [iod@amu.edu.pl](mailto:iod@amu.edu.pl).
3. The purpose of the processing of your personal data is to carry out the recruitment process for the indicated position.
4. The legal basis for the processing of your personal data is Article 6(1)(a) of the General Data Protection Regulation of 27 April 2016 and the Labour Code of 26 June 1974 (Journal of Laws of 1998, N21, item 94, as amended).
5. Your personal data will be stored for a period of 6 months from the end of the recruitment process.
6. Your personal data will not be made available to other entities, except for entities authorized by law. Access to your data will be granted to persons authorized by the Controller to process them within the scope of their professional duties.
7. You have the right to access your data and, subject to the provisions of law, the right to rectify, delete, restrict the processing, the right to transfer data, the right to object to the processing, the right to withdraw consent at any time.
8. You have the right to lodge a complaint to the supervisory authority - the President of the Office for Personal Data Protection, ul. Stawki 2, 00-193 Warszawa.
9. Provision of personal data is obligatory on the basis of legal regulations, in the remaining scope it is voluntary.
10. With regard to your personal data, decisions will not be taken automatically, in accordance with Article 22 RODO.

### Consent clause

In accordance with Article 6(1)(a) of the General Data Protection Regulation of 27 April 2016 (Journal of Laws of the EU L 119/1 of 4 May 2016) I agree to the processing of personal data other than those indicated in Article 22<sup>1</sup> of the Labour Code (name(s) and surname; parents' names; date of birth; place of residence; address for correspondence; education; previous employment), included in my job offer for the purpose of current recruitment.

*The applicant should be informed in the job application notice that his/her CV should include a clause with the required content, in which case it will be considered.*