

JOB OFFER

Position in the project:	Internship for a Student
Scientific discipline:	Material Sciences; Biomaterials; Tissue Engineering
Job type:	Internship/Contract work
Number of job offers:	1
Remuneration/stipend amount/month:	2000 PLN brutto (around 1600 netto)
Position starts on:	1 st February 2019
Maximum period of contract/stipend agreement:	12 months
Institution:	Institute of Fundamental Technological Research (IPPT PAN), Warsaw
Project leader:	Paweł Nakielski
Project title:	Injectable scaffold for tissue engineering <i>Project is carried out within the LIDER programme of the National Centre for Research and Development</i>
Project description:	<p>Spine diseases are a significant medical problem affecting many people around the world, and spinal pain syndromes are among the most common symptoms in clinical practice. In Poland, the statistics of the Social Insurance Institution (Medical Abuse in 2016) indicate that spinal root and nerve plexus disorders, low back pains and other intervertebral disc diseases constitute 17% of the total number of days of sick leave.</p> <p>In connection with the above, the aim of this project is to design and form an injectable scaffold as a carrier in cell therapy, which will contribute to the regeneration of the intervertebral disc, including the increase of its height.</p> <p>This product will be part of the treatment of patients with chronic back pain and a means for other treatment methods, e.g. as a drug release system. Minimally invasive procedures are a growing need for both the patient and hospital staff due to the possibility of discharging the patient on the same day. Patients feel significantly reduced pain due to such procedures, they experience much smaller side effects together with a lower risk of reoperation and post-operative infections.</p>
Key responsibilities include:	<ol style="list-style-type: none"> 1. Design and conduct electrospinning experiments 2. Morphological, chemical, mechanical characterization of the obtained nanomaterials (from designing/performing the experiments to the data analysis) 3. Report preparation 4. Disseminate the scientific results, publishing the work in high quality journals

Profile of candidates/requirements:	<ol style="list-style-type: none"> 1. Master's Student (4th or 5th year) of Biomedical, Chemical, Materials' Engineering or Nanotechnology 2. Keen interest in polymer biomaterial development (e.g. electrospinning) and nanomaterial characterization (e.g. SEM, AFM, FT-IR, DSC, etc.) 3. Ability to design, execute and evaluate research experiments 4. Excellent collaboration skills as well as the ability to work independently 5. Highly capable of communicating scientific results in English, both orally and in writing
Required documents:	<ol style="list-style-type: none"> 1. Motivation letter with a description of research interests and previous experience relevant to the position applied for 2. CV 3. Attested copies of Bachelor degree, diploma in English or Polish 4. Reference letter and an additional referee that we can contact 5. Please include in your CV the following clause: "I agree to the processing of personal data contained in my job offer for the needs necessary to carry out the recruitment process conducted by IPPT PAN with headquarters in Warsaw, ul. A. Pawińskiego 5B, according to art. 13 para. 1 and 2 of Regulation (EU) 2016/679 of the Parliament and of the Council of 27 April 2016 on the protection of individuals with regard to the processing of personal data and the free movement of such data and the repeal of Directive 95/46 / EC (RODO).
We offer:	<ol style="list-style-type: none"> 1. Internship in a top-ranked research institute in Europe 2. Access to modern equipment and facilities 3. Possibility for interdisciplinary collaborations with physicians and biologists
Please submit the following documents to:	Applications should be sent to Dr Nakielski (pnakiel@ippt.pan.pl) quoting "Student1 LIDER [Surname of the Applicant]" in the email subject.
Application deadline:	25th January 2019 (candidates selected for interviews will be contacted a few days after the deadline)
For more details about the position please visit:	www.nanoprg.com
Euraxess job/stipend offer:	-

Due to the entry into force of Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016, we also require that your job advertisements include a clause requesting the candidate's consent to the processing of his or her personal data by the institution which carries out the recruitment process.