JOB OFFER

Position in the project:	Post-doctoral research
Scientific discipline:	Biotechnology, Microfluidics
Job type (employment contract/stipend):	employment contract
Number of job offers:	1
Remuneration/stipend amount/month	~10400 PLN (gross)/ ~7500 PLN (net)
Position starts on:	As soon as possible after completing recruiting procedure (preferably April/May 2021)
Maximum period of contract/stipend agreement:	24 months
Institution:	Institute of Fundamental Technological Research Polish Academy of Sciences ul. Pawinskiego 5B; 02-106 Warszawa, Poland
Project leader:	Dr. Habil. Piotr Korczyk
Project title:	Digital operations on droplets embedded into smart microfluidic architectures for applications in medical diagnostics and biological research ***Project is carried out within the First Team programme of the Foundation for Polish Science***
Project description:	The main goal and the motivation of the project is the development of the systems that would allow a wide range of liquid handling protocols, long-lasting experiments on cells and precise on-line control over the composition of cellular micro-environment. The target device is envisioned to be a valuable tool in biological research, due to miniaturization, automation, and high precision of administering treatments and sample collection, which will improve relevance and repeatability of gathered data. We envisage the device to be able to handle, in multiple replicates, full biological experiments, encompassing cell seeding and culture, cell stimulation, monitoring of cellular responses and sample collection. The microfluidic device will be modified, expanded and adapted for eukaryotic cell line culture and specific demands of experimental methods required by the collaborating group. The project will be held within the collaboration with Prof. Juszczyński from Institute of Hematology and Blood Transfusion, (Warsaw, Poland). The project's main and exciting challenge will be elaborating the device for collaborative investigation of the mechanism responsible for the development of immunosuppressive microenvironment in lymphomas and therapeutic approaches to reprogram its functions.
Key responsibilities include:	1. Responsibility for the implementation of microbiological techniques in microfluidic devices 2. Design and execution of experiments with bacteria or cells in microfluidics 3. Preparation of reagents for immunoassay 4. Data acquisition and analysis
Profile of candidates/requirements:	1. PhD title obtained not earlier than January 2013. 2. Documented experience in research involving cells/bacteria culturing 3. High interest in the proposed research 4. Initiative, independent thinking

	5. Good communication and social skills for the group work.
Required documents:	1. Detailed CV including list of achievements, scientific degrees, publications, skills, other relevant experience 2. Cover letter – motivation and description of the most important scientific achievements 3. Copy of the PhD diploma
We offer:	• Interesting and challenging interdisciplinary problems for solving • Work in the scientific project on microfluidics and its bio-medical applications • Direct access to microfluidic and microbiological laboratories fully equipped for the execution of project tasks
Please submit the following documents to:	**konkursy.ippt@ippt.pan.pl ; piotr.korczyk@ippt.pan.pl**
Application deadline:	March 26, 2021 Selected candidates will be interviewed in person or via Skype within a couple of weeks after the application deadline
For more details about the position please visit (website/webpage address):	Contact project leader: piotr.korczyk@ippt.pan.pl
Euraxess job/stipend offer (in case of PhD and postdoc positions):	https://euraxess.ec.europa.eu/jobs/610215

Please include in your offer:

"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)."