

PROFILE FOR INSTITUTE WEBSITE

Current photo in graphic file e.g. 2024, 2023.	
Name and surname, Title	Łukasz Szymański PhD, DSc
Position	Assistant Professor
Hirsch Index and Number of citations (according to Scopus) on the day of completing the form	h-index: 14 citations: 751
Research areas (in points, min. 200 characters, max. 500 characters)	– Molecular oncology and hematology – Bioengineering – Regenerative medicine – Medical devices R&D – Immunology
Total number of completed research projects; currently implemented research projects (title and number) and selected max. 3 completed projects (title and number) from the newest ones, i.e. 2024, 2023, 2022...	Total number of projects: 12 Selected projects: – Nanostructured polymer scaffolds for supporting bone regeneration, LIDER, 0176/L-14/2023 – Epigenetic Reprogramming and All-trans-Retinoic Acid in Therapy of Myelodysplastic Syndromes, OPUS, 2021/41/B/NZ5/04397 – Epigenetic effect on therapeutic activities of all-trans-retinoic acid in acute myeloid leukemia, OPUS, 2019/33/B/NZ5/02399
Total number of publications; ORCID (number and hyperlink to the profile); SCOPUS (number and hyperlink to the profile); indicate selected publications (max. 5)	Number of publications: 40 SCOPUS: https://www.scopus.com/authid/detail.uri?authorId=56160481700 ORCID: https://orcid.org/0000-0003-0148-541X Google Scholar: https://scholar.google.pl/citations?hl=pl&user=jv5ZSIgAAAAJ
Total number of patents; selected patents (max. 2) and a hyperlink to personal patent	

achievements (UP RP), on the day of completing the form	
Selected scientific achievements from the newest, i.e. 2023, 2022, 2021... (in points, min. 800 characters, max. 1000 characters)	I developed and certified two Class III medical devices for the European market. The first is a surgical tissue adhesive, which is based on animal-derived protein and a cross-linking agent. The second is a hemostatic powder that uses carboxymethylated starch to treat bleeding wounds. Additionally, the product can be used to prevent postoperative adhesions. Since 2021, these products have been marketed by Grena LTD under the names 4Seal Hemostat and NE'X Glue Surgical Adhesive.
Number and list of defended PhD students from the latest, i.e. 2024, 2023, 2022...	Co-supervisor of doctoral theses: – Karolina Maślińska-Gromadka (2023-2027) Doctoral School of the Institute of Genetics and Biotechnology of the Polish Academy of Sciences. Research area: Epigenetic reprogramming and all-trans retinoic acid in the treatment of myelodysplastic syndromes. Supervisor: Prof. Paweł Lipiński – Aleksandra Cios (2018-2022) Military Institute of Hygiene and Epidemiology in Warsaw. Doctoral thesis title: "Assessment of the impact of electromagnetic field on clear cell renal carcinoma cells on the expression and sequence of VEGFC, ADAM28, and NCAM1 genes." Supervisor: Prof. Wanda Stankiewicz
Organizational activities, dissemination of knowledge and others (in points, min. 300 characters, max. 1000 characters)	– Organization of the conference: 5th Scientific Congress of the Polish Society of Medical Biology Biology-Medicine-Therapy, September 15-17, 2022, Lublin, Poland. Member of the organizing committee. – Board Member and Treasurer at the Polish Society of Medical Biology. – Member of US AAMI Biological Evaluation Committee – Member of the Technical Committee No. 247 for Medical Materials and Biomaterials, Poland – EU Notified Body Expert – Medical Devices – OECD Immunotoxicity group expert