

PROFILE FOR INSTITUTE WEBSITE

Current photo in graphic file e.g. 2024, 2023.	
Name and surname, Title	Magdalena Pieczynska-Kovacs, PhD
Position	Assistant Professor/Adjunct in the Department of Biotechnology and Nutrigenomics
Hirsch Index and Number of citations (according to Scopus) on the day of completing the form	Hirsch Index-9, total citations 681
Research areas (in points, min. 200 characters, max. 500 characters)	-Aspects related to fetal gut microbiota development -Association between the diet and predispositions to diseases and the presence of microbial biomarkers within primarily gut microbiota
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...	6 in total 2022-2020 -Coordinator and Investigator in the project SZYBKA ŚCIEŻKA DOSTĘPU DO FUNDUSZY NA BADANIA NAD COVID-19 „A potential strategy against the SARS-Cov-2 virus based on the inhibition of programmed frameshifting during viral genome translation” 2019-2018 -Leader in the project KNOW - “Healthy Animals - Safe Food” „Genomic analysis of fetal gut microbiota origin in mice”
Total number of publications; ORCID (number and hyperlink to the profile); SCOPUS (number and hyperlink to the profile); indicate selected publications (max. 5)	9 in total ORCID: 0000-0001-8845-5867 https://orcid.org/my-orcid?orcid=0000-0001-8845-5867 SCOPUS: 57196096557 https://www.scopus.com/authid/detail.uri?authorId=57196096557

	1)Pieczynska, M.D., Sampino, S., Lawinski, M., Stachowiak, A., Zietek, M., Ligas, J., Szelag, M., Horbanczuk, O.K., Swirski, M., Modlinski, J.A. and Horbanczuk, J.O., 2022. Dynamics of gut microbiota emergence during fetal development in mice model. Animal Science Papers and Reports. 2) Pieczynska, M.D., Yang, Y., Petrykowski, S., Horbanczuk, O.K., Atanasov, A.G. and Horbanczuk, J.O., 2020. Gut microbiota and its metabolites in atherosclerosis development. Molecules, 25(3), p.594. 3)Magdalena D. Pieczynska, Dominika Wloch-Salamon, Ryszard Korona, J. Arjan G. M. de Visser. Rapid multiple-level coevolution in experimental populations of yeast killer and nonkiller strains. Evolution doi: 10.1111/evo.12945
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)	2023-Prepared and aquired lab accreditation for ICTER Institute 2022- Identified, characterised and assessed the therapeutic potential of a set of compounds, i.e. small-molecule ligands and antisense oligonucleotides, that inhibit SARS-CoV-2 replication in human cell lines by reducing viral ribosomal frameshifting 2019- Reported for the first time signature of microbial presence during fetal development, by identifying commensal microbiota as early as few days after implantation, including both bacterial and fungi species 2017- Determined how evolution constructs the multi-protein complexes that make the living cell tick, which is one of most fundamental questions in biology 2015-Developed and optimized novel method of isolation and cross-infection of cytoplasmic viruses
Number and list of defended PhD students from the latest, i.e. 2024, 2023, 2022...	—
Organizational activities, dissemination of knowledge and others (in points, min. 300 characters, max. 1000 characters)	-Reviewer of project proposals for Science and Innovation Consultancy UK -Participated and presented at various of the international courses and meetings (Germany, Netherlands, Portugal, Indie, United States)