

Candidate supervisor's information summary form
maximum 2 pages – it should be a summary of most important achievements

Name and surname, degree, title: Ewa Długosz PhD	
Discipline/ disciplines of science	Veterinary sciences
Professional development (degrees and titles) in chronological order	Habilitation - 2023 PhD - 2008 MSc - 2003
Most important publications/patens over the last 3 years (maximum 10)	<ol style="list-style-type: none"> 1. Neffe-Skocińska K, Długosz E, Szulc-Dąbrowska L, Zielińska D. Novel Gluconobacter oxydans strains selected from Kombucha with potential postbiotic activity. Appl Microbiol Biotechnol. 2024 Dec;108(1):27. doi: 10.1007/s00253-023-12915-4. 2. Klockiewicz M, Jakubowski T, Karabowicz J, Bańska P, Winiarska J, Długosz E. Identification of intestinal parasites in wild American mink (Neovison vison) from Biebrza and Narew national parks (Poland). Parasitol Res. 2023 Jul;122(7):1621-1629. doi: 10.1007/s00436-023-07864-w. 3. Wysmołek ME, Klockiewicz M, Długosz E, Wiśniewski M. Canine antibody response against Dirofilaria repens in natural occult and microfilaremic infections. Comparative Immunology, Microbiology and Infectious Diseases, 2022, 86:101818, DOI: 10.1016/j.cimid.2022.101818 4. Pękacz M, Basalaj K, Kalinowska A, Klockiewicz M, Stopka D, Bańska P, Długosz E, Karabowicz J, Młocicki D, Wiśniewski M, Zawistowska-Deniziak A. Selection of new diagnostic markers for Dirofilaria repens infections with the use of phage display technology. Scientific Reports, 2022, 12: 2288, DOI: 10.1038/s41598-022-06116-8 5. Wysmołek ME, Długosz E, Wiśniewski M. The immunological role of vascular and lymphatic endothelial cells in filarial infections. Animals, 2022, 12: 426, DOI: 10.3390/ani12040426 6. Karabowicz J, Długosz E, Bańska P, Wiśniewski M. Nematode orthologs of Macrophage Migration Inhibitory Factor (MIF) as modulators of the host immune response and potential therapeutic targets. Pathogens, 2022, 11(2): 258, DOI: 10.3390/pathogens11020258 7. Levytska VA, Mushinsky AB, Cernanska D, Blanarova L, Długosz E, Vichova B, Slivinska KA, Gajewski Z, Gizinski S, Liu S, Zhou L, Rogovskyy AS. Detection of pathogens in ixodid ticks collected from animals and vegetation in five regions of Ukraine. Ticks and Tick-borne Diseases, 2021, 12 (1):101586, DOI: 10.1016/j.ttbdis.2020.101586 8. Zielińska D, Łepecka A, Oldak A, Długosz E, Kolożyn-Krajewska D. Growth and adhesion inhibition of pathogenic bacteria by live and heat-killed food-origin Lactobacillus

	<p>strains or their supernatants. FEMS Microbiology Letters, 2021, 368 (5):1-9, 10.1093/femsle/fnab024</p> <p>9. Klockiewicz M, Długosz E, Jakubowski T. A review of the occurrence and clinical consequences of protozoan infections in carnivorous fur farm animals. Annals of Agricultural and Environmental Medicine, 2021, 28 (2):199-207, DOI: 10.26444/aaem/120974</p> <p>10. Długosz E, Milewska M, Bańska P. Identification of <i>Toxocara canis</i> antigen-interacting partners by Yeast Two-Hybrid assay and a putative mechanism of these host-parasite interactions. Pathogens, 2021, 10 (8):949. DOI: 10.3390/pathogens10080949</p>
Experience in work with doctoral students (defended doctoral dissertations, doctoral programmes opened) in chronological order	Assistant supervisor of doctoral thesis of Magdalena Wyszomleć (PhD) and Justyna Karabowicz (Msc)
Project/grants achievements (from the last 10 years)	<ul style="list-style-type: none"> • "The role of interleukin-6 in <i>Toxocara canis</i> induced lung pathology", NCN project (OPUS20) no 2020/39/B/NZ6/02176, (2021-2025), • "Toxocara canis mucins: recognition, function and immunomodulatory properties", NAWA project no. PPN/BIL/2018/1/00135/U/00001, (2019-2022), • "Search for protein interactions between dog roundworm larval antigens and human molecules using yeast two-hybrid assay", NCN project (Miniatura1) no. 2017/01/X/NZ6/00895, (2017-2018), • "Characterization of immunomodulatory properties of <i>Toxocara canis</i> larval antigens", NCN project no. N N308 573540, (2011-2014),
Topic – research problem – for which the candidate supervisor seeks a doctoral student	Studies on parasite-host interactions in <i>Toxocara canis</i> infection
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