

**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"> <li>1. Wysmołek ME, Klockiewicz M, <b>Długosz E</b>, Wiśniewski M. Canine antibody response against <i>Dirofilaria repens</i> in natural occult and microfilaremic infections. <i>Comparative Immunology, Microbiology and Infectious Diseases</i>, 2022, 86:101818, DOI: 10.1016/j.cimid.2022.101818</li> <li>2. Pękacz M, Basałaj K, Kalinowska A, Klockiewicz M, Stopka D, Bańska P, <b>Długosz E</b>, Karabowicz J, Młocicki D, Wiśniewski M, Zawistowska-Deniziak A. Selection of new diagnostic markers for <i>Dirofilaria repens</i> infections with the use of phage display technology. <i>Scientific Reports</i>, 2022, 12: 2288, DOI: 10.1038/s41598-022-06116-8</li> <li>3. Wysmołek ME, <b>Długosz E</b>, Wiśniewski M. The immunological role of vascular and lymphatic endothelial cells in filarial infections. <i>Animals</i>, 2022, 12: 426, DOI: 10.3390/ani12040426</li> <li>4. Karabowicz J, <b>Długosz E</b>, Bańska P, Wiśniewski M. Nematode orthologs of Macrophage Migration Inhibitory Factor (MIF) as modulators of the host immune response and potential therapeutic targets. <i>Pathogens</i>, 2022, 11(2): 258, DOI: 10.3390/pathogens11020258</li> <li>5. Levytska VA, Mushinsky AB, Cernanska D, Blanarova L, <b>Długosz E</b>, 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. <i>Ticks and Tick-borne Diseases</i>, 2021, 12 (1):101586, DOI: 10.1016/j.ttbdis.2020.101586</li> <li>6. Zielińska D, Łepecka A, Oldak A, <b>Długosz E</b>, Kolożyn-Krajewska D. Growth and adhesion inhibition of pathogenic bacteria by live and heat-killed food-origin <i>Lactobacillus</i> strains or their supernatants. <i>FEMS Microbiology Letters</i>, 2021, 368 (5):1-9, 10.1093/femsle/fnab024</li> <li>7. Klockiewicz M, <b>Długosz E</b>, Jakubowski T. A review of the occurrence and clinical consequences of protozoan infections in carnivorous fur farm animals. <i>Annals of Agricultural and Environmental Medicine</i>, 2021, 28 (2):199-207, DOI: 10.26444/aaem/120974</li> <li>8. <b>Długosz E</b>, 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</li> </ol>

	<p>interactions. <i>Pathogens</i>, 2021, 10 (8):949. DOI: 10.3390/pathogens10080949</p> <p>9. Ołdak A, Zielińska D, Łepecka A, <b>Długosz E</b>, Kolożyn-Krajewska D. <i>Lactobacillus plantarum</i> strains isolated from Polish regional cheeses exhibit anti-Staphylococcal activity and selected probiotic properties. <i>Probiotics and Antimicrobial Proteins</i>, 2020, 12(3): 1025-1038, DOI: 10.1007/s12602-019-09587-w</p> <p>10. Wyszomłek ME, Dobrzyński A, <b>Długosz E</b>, Czopowicz M, Wiśniewski M, Jurka P, Klockiewicz M. Hematological and biochemical changes in dogs naturally infected with <i>Dirofilaria repens</i>. <i>Frontiers in Veterinary Science</i>, 2020, 7:590. DOI: 10.3389/fvets.2020.00590</p>
Experience in work with doctoral students (defended doctoral dissertations, doctoral programmes opened) in chronological order	Assistant supervisor of doctoral thesis of Magdalena Wyszomłek (DVM) and Justyna Karabowicz (Msc)
Project/grants achievements (from the last 10 years)	<ul style="list-style-type: none"> <li>• "The role of interleukin-6 in <i>Toxocara canis</i> induced lung pathology", NCN project (OPUS20) no 2020/39/B/NZ6/02176, (2021-2025),</li> <li>• "Toxocara canis mucins: recognition, function and immunomodulatory properties", NAWA project no. PPN/BIL/2018/1/00135/U/00001, (2019-2022),</li> <li>• "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),</li> <li>• "Characterization of immunomodulatory properties of <i>Toxocara canis</i> larval antigens", NCN project no. N N308 573540, (2011-2014),</li> </ul>
Topic – research problem – for which the candidate supervisor seeks a doctoral student	Investigation of the influence of IL-6 on the course of canine roundworm ( <i>Toxocara canis</i> ) infection in mice
<u>Contact details:</u> Faculty/Institute E-mail address Tel.	Division of Parasitology and Invasive Diseases Department of Preclinical Sciences Institute of Veterinary Medicine Ciszewskiego 8 Street, bld. 23, room 2126, 02-786 Warsaw tel. +48 22 59 360 52, e mail: ewa_dlugosz@sggw.edu.pl