

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

Name and surname, degree, title: Piotr Baska PhD	
Discipline/ disciplines of science	Veterinary
Professional development (degrees and titles) in chronological order	University Professor - 2023 Habilitation - 2019 PhD - 2011 MSc - 2006
Most important publications/patens over the last 3 years (maximum 10)	<ol style="list-style-type: none"> <li>1. Klockiewicz M, Jakubowski T, Karabowicz J, <b>Baska P</b>, Winiarska J, Długosz E. Identification of intestinal parasites in wild American mink (<i>Neovison vison</i>) from Biebrza and Narew national parks (Poland). <i>Parasitol Res.</i> 2023 May 16. doi:10.1007/s00436-023-07864-w. Epub ahead of print. PMID: 37191686.</li> <li>2. <b>Baska P</b>, Norbury LJ. The Role of Nuclear Factor Kappa B (NF-κB) in the Immune Response against Parasites. <i>Pathogens.</i> 2022 Mar 2;11(3):310. doi: 10.3390/pathogens11030310. <i>Pathogens.</i> 2022 Mar 2;11(3):310. doi: 10.3390/pathogens11030310.</li> <li>3. Karabowicz J, Długosz E, <b>Baska P</b>, 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 Feb 17;11(2):258. doi: 10.3390/pathogens11020258.</li> <li>4. Pękacz M, Basalaj K, Kalinowska A, Klockiewicz M, Stopka D, <b>Baska P</b>, Długosz E, 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>Sci Rep.</i> 2022 Feb 10;12(1):2288. doi: 10.1038/s41598-022-06116-8.</li> <li>5. <b>Baska P</b>, Norbury LJ. The Role of the Intestinal Epithelium in the "Weep and Sweep" Response during Gastro-Intestinal Helminth Infections. <i>Animals (Basel).</i> 2022 Jan 12;12(2):175. doi: 10.3390/ani12020175.</li> <li>6. Słońska A, Cymerys J, Chodkowski M, <b>Baska P</b>, Krzyżowska M, Bańbura MW. Human herpesvirus type 2 infection of primary murine astrocytes causes disruption of the mitochondrial network and remodeling of the actin cytoskeleton: an in vitro morphological study. <i>Arch Virol.</i> 2021 May;166(5):1371-1383. doi: 10.1007/s00705-021-05025-x. Epub 2021 Mar 14.</li> <li>7. Buffoni L, Piva MM, <b>Baska P</b>, Januszkiewicz K, Norbury LJ, Prior KC, Dezen D, Silva AS, Wedrychowicz H, Mendes RE. Immunization with the recombinant myosin regulatory light chain (FhrMRLC) in Adjuplex® adjuvant elicits a Th1-</li> </ol>

	<p>biased immune response and a reduction of parasite burden in <i>Fasciola hepatica</i> infected rats. <i>Parasitol Int.</i> 2020 Apr;75:102037. doi: 10.1016/j.parint.2019.102037.</p> <p>8. Witkowska-Piłaszewicz O, <b>Bąska P</b>, Czopowicz M, Żmigrodzka M, Szarska E, Szczepaniak J, Nowak Z, Winnicka A, Cywińska A. Anti-Inflammatory State in Arabian Horses Introduced to the Endurance Training. <i>Animals (Basel)</i>. 2019 Aug 27;9(9):616. doi: 10.3390/ani9090616.</p> <p>9. Woźniak A, Miłek D, <b>Bąska P</b>, Stadejek T. Does porcine circovirus type 3 (PCV3) interfere with porcine circovirus type 2 (PCV2) vaccine efficacy? <i>Transbound Emerg Dis.</i> 2019 Jul;66(4):1454-1461. doi: 10.1111/tbed.13221. Epub 2019 May 22.</p>
Experience in work with doctoral students (defended doctoral dissertations, doctoral programmes opened) in chronological order	<ul style="list-style-type: none"> <li>• Olga Witkowska-Piłaszewicz: The onset of exercise – induced acute phase response in Arabian horses beginning the endurance training, Institute of Veterinary Medicine. 05-12-2019. Auxiliary promoter.</li> </ul>
Project/grants achievements (from the last 10 years)	<ul style="list-style-type: none"> <li>• Determination of the change in the miRNA profile in human THP-1 macrophages treated with <i>Fasciola hepatica</i> excretion-secretion antigens as a step towards understanding the immunomodulatory properties of this parasite. National Science Centre (Poland). 2017/01/X/NZ6/00475. 2017.09.27 – 2018.09.26.</li> <li>• Assessment of the effect of glycosylation of <i>Fasciola hepatica</i> (<i>Fh</i>-ES) Excretion-Secretory antigens on macrophages as a step towards understanding the immunomodulatory properties of this parasite. KNOW Consortium. KNOW2017/SGGW/ESR4/01/1. 2018.01.22 – 2019.03.31</li> </ul>
Topic – research problem – for which the candidate supervisor seeks a doctoral student	Development of qualitative and quantitative molecular methods to determine presence of parasite eggs in the proces of sewage collection and processing at different technological stages. Determination of safety of the fermented solids
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