

**Potential Supervisor at the KUL Doctoral School**

<b>Research profile</b>	
Name, surname, postdoctoral degree or a professor degree in a discipline	Anna Sierosławska, dr hab., prof. KUL
Scientific discipline: (according to disciplines offered by the KUL Doctoral School)	biological sciences
Research profile: www address, Research Gate profile or Academia.edu profile	<a href="https://www.researchgate.net/profile/Anna-Sieroslawska">https://www.researchgate.net/profile/Anna-Sieroslawska</a>
Research interests (areas of scientific research currently conducted)	cell cultures, in vitro toxicology, immunotoxicology, nanotoxicology,
Three most important publications within four calendar years (2019-2022)	<ol style="list-style-type: none"> <li>1. Sierosławska, A., Borówka, A., Rymuszka, A., Żukociński, G., Sobczak, K. (2021). Mesoporous silica nanoparticles containing copper or silver synthesized with a new metal source: Determination of their structure parameters and cytotoxic and irritating effects. <i>Toxicology and Applied Pharmacology</i>. 429. 115685. 10.1016/j.taap.2021.115685.</li> <li>2. Sierosławska, A., Rymuszka, A. (2019). Assessment of the cytotoxic impact of cyanotoxin beta-N-methylamino-L-alanine on a fish immune cell line. <i>Aquatic Toxicology</i>. 212. 10.1016/j.aquatox.2019.05.012</li> <li>3. Rymuszka, A. Sierosławska, A., Adaszek, L. (2021). Cytotoxic and immunological responses of fish leukocytes to nodularin exposure in vitro. <i>Journal of Applied Toxicology</i>. 41. 10.1002/jat.4154.</li> </ol>
Successful research grant applications at least at a nationwide level (max.6 grants):	<ul style="list-style-type: none"> <li>• 2007/2009; Grant No. N 308027 32/2393, MNiSW, "Influence of cyanotoxins (microcystin-LR and anatoxina) on the immune system of carp (Cyprinus carpio L.)",</li> <li>• 2010/2012; Grant No. N N303606138, MNiSW, „Cytotoxic influence of selected cyanotoxins (microcystin-LR and anatoxin-a) on carp (Cyprinus carpio L.) immune cells”</li> <li>• 2011/2013; N N304 306940, Grant KBN, Biological assessment of the toxicity of cyanobacterial water blooms in selected reservoirs of the Lublin region</li> <li>• 2019/2020; Grant No. MNiSW/2019/161/DIR, Smart Growth Operational Programme 2014-2020, "Silica nanomaterials with copper and silver as safe carriers of bioactive substances"</li> </ul>
principal investigator	<ul style="list-style-type: none"> <li>• 2011/2013; N N304 306940, Grant KBN, Biological assessment of the toxicity of cyanobacterial water blooms in selected reservoirs of the Lublin region</li> </ul>
investigator	<ul style="list-style-type: none"> <li>• 2007/2009; Grant No. N 308027 32/2393, MNiSW, "Influence of cyanotoxins (microcystin-LR and anatoxina) on the immune system of carp (Cyprinus carpio L.)",</li> <li>• 2010/2012; Grant No. N N303606138, MNiSW, „Cytotoxic influence of selected cyanotoxins (microcystin-LR and anatoxin-a) on carp (Cyprinus carpio L.) immune cells”</li> <li>• 2019/2020; Grant No. MNiSW/2019/161/DIR, Smart Growth Operational Programme 2014-2020, "Silica nanomaterials</li> </ul>

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<b>Experience in PhD supervision</b>	
Number of PhD already promoted	0
Number of currently supervised PhD students	0
Number of currently supervised PhD students before opening doctoral dissertation/program	0
Number of currently supervised PhD students at the KUL Doctoral School	0
<b>Offer and requirements for candidates</b>	
Potential PhD project topics which the supervisor would like to supervise	<ol style="list-style-type: none"> <li>1. Research on the effect of biologically active substances on cancer cells.</li> <li>2. Research on biologically active substances in terms of their immunomodulatory effect.</li> <li>3. Evaluation of immunotoxic and genotoxic effects of nanoparticles.</li> </ol>
Number of PhD students the supervisor would like to supervise	1
Requirements for candidates (e.g., research interests; current achievements; scientific, social or linguistic competences)	<ol style="list-style-type: none"> <li>1. Willingness to learn and raise qualifications while working with different cell lines.</li> <li>2. Good organization of working time, conscientiousness.</li> <li>3. Good knowledge of English in speech and writing.</li> </ol>
Place for PhD individual work offered (e.g., laboratory, common room)	Laboratory, place in the common room to work
Fundings for PhD research offered (e.g., grant)	Assistance in applying for a grant
Contact (e-mail, link to the Teams meetings)	<a href="mailto:anna.sieroslawska@kul.lublin.pl">anna.sieroslawska@kul.lublin.pl</a> , BB ul. Konstytucyjny 1 I, p. 2.04, tel. 81-4545679