

**Research topics in the discipline of health sciences
in the academic year 2021/2022**

Lp.	PhD Supervisor	ORCID	Contact	Research topics
1	dr hab. prof. UJK Ryszard Zarzeczny	0000-0002-2898-4676	ryszard.zarzeczny@ujk.edu.pl	Research interests currently focus on two areas of applied physiology. In the first area, the research interests are in adaptive capabilities to systematic muscular work of the human body in different age groups. In this case, research efforts are focused on identifying the age-related physiological effects of different training methods in relation to exercise intensity and mode. The second area concerns the comprehensive search for factors which are able to modify functional capability in elderly. The main questions in this area are: 1) what factors determine “healthy aging” in older individuals? 2) what are the most effective therapies for older people with already impaired functional mobility?
2	prof. dr hab. n. med. Marek Woynarowski	0000-0003-4533-4699	marek.woynarowski@ujk.edu.pl	<ol style="list-style-type: none"> 1. Radiological protection of patients and medical personnel. 2. Children's diseases in the Świętokrzyskie Voivodeship
3	dr hab. prof. UJK Ewa Orlewska	0000-0001-5731-4316	eorl@ujk.edu.pl	Health technology assessment, economic evaluation of health technologies, budget impact analysis, utility of health states
4	dr hab. prof. UJK Waldemar Broła	0000-0002-7955-3454	601313415	<ol style="list-style-type: none"> 1. Risk factors for the onset and severity of MS. 2. Unmet needs of polish MS patients (access to DMT, rehabilitation and employment).
5	dr hab. prof. UJK Wioletta Adamus-Białek	0000-0001-6129-0492	wioletta.adamus-bialek@ujk.edu.pl 788860604	The analysis of pathogenicity of selected species of bacteria and viruses. Epidemiological studies of clinical E. coli strains. The study of the CRISPR-cas mechanisms in clinical E. coli strains. Searching for genetic determinants of human diseases. Research on the antioxidant status of natural products, ingredients of selected diets and synthetic mimetics of enzymes based on manganese and copper ions.