

**RESEARCH TOPICS IN THE DISCIPLINE OF HEALTH SCIENCES
in the academic year 2022/2023**

Lp.	PhD Supervisor	ORCID	Contact	Research topics
1	Assoc. Prof. UJK Jacek Wilczyński, Ph.D.	0000-0003-2564-8623	jwilczynski@onet.pl	Body posture defects, postural stability, balance and gait disturbances
2	dr hab. Ryszard Zarzeczny, prof. UJK	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? and 2) what are the most effective therapies for older people with already impaired functional mobility?
3	Dr hab. Waldemar Broła, prof. UJK	0000-0002-7955-3454	waldemar.brola@ujk.edu.pl,	1. Risk factors for the onset and severity of MS 2. Unmet needs of polish MS patients (access to DMT, rehabilitation and employment).
4	dr hab. med. Marcin Jacek Jabłoński, prof. UJK	0000-0002-3430-5932	marcin.jablonski@ujk.edu.pl,	1. The quality of life and burdens of caregivers of people with cancer (in progress) 2. The importance of pro-health (salutogenic) psychoeducation in somatic and mental disorders. Development of a new method of psychoeducation (in preparation). 3. Optimization of the comprehensive model of psycho-oncological care (in preparation). 4. Analysis of inconsistencies and a proposal to agree on the legal regulations of the psycho-oncologist profession in Poland (in preparation). 5. Acceptance of the financialisation paradigm in context of the attitudes and behavior of the individual (in progress). Development of an original questionnaire. 6. The role of the gut microbiome in maintaining cognitive and executive functions in people with mental disorders (in preparation)

5	dr hab. Grażyna Nowak-Starz prof. UJK, specialist in the field of public health	0000-0001-7804-2129	gnowakstarz@ujk.edu.pl grazyna.nowak- starz@ujk.edu.pl	Public health, Quality of life in health sciences
6	Prof. dr hab. Beata Wożakowska-Kapłon	0000-0003-1409-4362	bw.kaplon@poczta.onet.pl,	Internal diseases, cardiology
7	dr hab. prof. UJK Ewa Orlewska	0000-0001-5731-4316	eorl@ujk.edu.pl	Health technology assessment, budget impact analysis, utility of health states
8	Prof. dr hab. Zbigniew Siudak	0000-0002-8033-3977	zbigniew.siudak@ujk.edu.pl	<ol style="list-style-type: none"> 1. The role of flosins in the treatment of obesity and the pleiotropic effect of these drugs 2. Change of echocardiographic parameters in patients undergoing bariatric surgery 3. Post-reperfusion injury of the heart muscle assessed by MRI and SPECT 4. Predictors of erectile dysfunction in cardiac patients 5. The role of education in primary and secondary prevention of coronary artery disease 6. Heavy metals in the thrombotic material in patients with myocardial infarction