

Research topics in the discipline of health sciences in the academic year 2025/2026

lp.	PhD Supervisor	ORCID	contact	research topics	language of the doctoral dissertation
1.	Dr hab. Piotr Lewitowicz, prof. UJK	0000-0002-5443-7975	piotr.lewitowicz@ujk.edu.pl , tel. 604420369	– The expression level of fibroblast growth factor receptor on the course of colorectal cancer. – The role of cancer-associated fibroblasts on the course of colorectal cancer. – The role of cancer stem cells in colorectal cancer.	Polish, English
2.	prof. dr hab. Edyta Suliga	0000-0003-3063-0380	edyta.suliga@ujk.edu.pl	– Nutritional status and health behavior related to nutrition and physical activity of adults and older people in health and disease. – This offer is exclusively for people with a master's degree in dietetics. Fluency in Polish is required, as it is essential for conducting research.	Polish, English
3.	Dr hab. Sylwia Terpiłowska	0000-0002-2988-9443	sylwia.terpilowska@ujk.edu.pl	– Micronutrient metabolism and interactions in an <i>in vitro</i> system. – Preclinical studies of new drugs and biologically active substances using <i>in vitro</i> cell cultures. – Mechanisms of action of potential drugs. – Study of biocompatibility of biomaterials used in medicine and biotechnology. – Assessment of the toxicity of xenobiotics. – Determination of biomarkers in the diagnosis and treatment of diseases.	Polish, English

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4.	Dr hab. Wojciech Kiebzak prof. UJK	0000-0001-6035-6568	wojciech.kiebzak@ujk.edu.pl tel. 501621259	– Determinants of occupational well-being among healthcare professionals in the context of ethical-professional attitudes, perceived ethical climate, and therapeutic team culture - a study of a selected professional group Preferred: ○ completed Master's degree in Health Sciences, Medical Sciences, or a related field, ○ basic knowledge of research methodology, ○ interest in professional ethics and the functioning of healthcare personnel, ○ ability to critically analyse the scientific literature, ○ readiness for systematic and independent research work. ○ professional experience in healthcare or empirical research, ○ a preliminary research concept related to the topic. – Geometric model for assessing sternum-pelvis-spine relationships in different functional body positions Preferred: ○ completed Master's degree in Health Sciences, Medical Sciences, Physiotherapy, Biomechanics, or a related field, ○ basic knowledge of research methodology, ○ interest in body posture, biomechanics, and movement analysis, ○ ability to critically analyse the scientific literature, ○ readiness for systematic research work using diagnostic and measurement equipment, ○ clinical or research experience in postural assessment or musculoskeletal analysis, ○ basic knowledge of geometry (including Euclidean geometry) or biomechanics,	Polish, English
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				○ experience with diagnostic tools (e.g. DIERS Formetric 4, sEMG, Saunders inclinometer) or willingness to acquire such skills, ○ a preliminary research concept	
5.	dr hab. Monika Szpringer, prof. UJK	0000-0002-6510-5714	monika.szpringer@ujk.edu.pl	My research interests focus on issues related to mental health, its determinants, and effective forms of prevention and psychological intervention. The research I conduct is empirical and applied in nature, integrating clinical, social, and public health perspectives: – prevention of behavioral disorders and risk behaviors among children, adolescents, and adults, – determinants, prevention, and treatment of substance use disorders as well as behavioral addictions (addictive behaviors), – quality of life in somatic and mental illnesses, – effectiveness of psychological interventions and therapies in reducing anxiety, stress, and depressive symptoms, as well as in improving quality of life, – factors promoting mental health, well-being, and social functioning, – the experience of trauma and its consequences for mental and physical health, – psychiatric and somatic comorbidity and its significance for treatment and rehabilitation processes. Fluency in Polish is required, as it is essential for conducting research.	Polish, English

Research topics in the discipline of health sciences in the academic year 2025/2026

6.	Dr hab. Tomasz Rogula, Prof. UJK	0000-0002-8719-6880	tomasz.rogula@ujk.edu.pl tomrogula@gmail.com tel. +1(216)2969053	– Metabolic Syndrome Prevalence and Response to Medical and Surgical Therapy - Multi Ethnic Longitudinal Study. – Machine Learning Image Processing in Recognizing Intra-peritoneal Features of Metabolic Syndrome. – Artificial Intelligence Algorithms in Search of Early Cardio Metabolic Syndrome and Prediction of Premature Cardiovascular Mortalities. – Short and Long Term Effects of Bariatric and Metabolic Surgery in South Texas vs Polish Patients. – Robotic Surgery - Multi Specialty Analyzes of Potential Benefits, Risks, Costs and Perspectives. – Gastro-Esophageal Reflux in Obese Patients Undergoing Bariatric Surgery: Prevalence, Outcomes of Surgical and Medical Therapies, Prevention and Management. – Prevention and Management of Medical and Surgical Complication in Cardio Metabolic Surgery. – Short and Long Terms Outcomes of Bariatric Surgery in Patients with End Stage Renal Disease Undergoing Renal Transplantation. – Non-Alcoholic Fatty Liver Disease and Steatohepatitis - Prevalence in Different Ethnical Groups and Long Term Outcomes of Metabolic Surgery. – Cardiovascular Outcomes in Obese Patients Undergoing Metabolic Surgery. – Diabetes Control in Patients Undergoing Various Types of Bariatric Surgery in a Large Population; Short and Long Term Study.	Polish, English
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