

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

Sg.	PhD Supervisor	ORCID	Contact e-mail	Research topics	Language of the doctoral dissertation
1.	Prof. dr hab. Waldemar Broła, prof. UJK	0000-0002-7955-3454	wbroła@wp.pl waldemar.broła@ujk.edu.pl tel. 601313415	Epstein-Barr virus infection and the pathogenesis of multiple sclerosis	Polish
2.	Prof. dr hab. Beata Wożakowska-Kapłon	0000-0003-1409-4362	bw.kaplon@poczta.onet.pl , tel. 692013491	Internal diseases, cardiology	Polish
3.	dr hab. prof. UJK Ewa Orlewska	0000-0001-5731-4316	eorl@ujk.edu.pl	Health technology assessment, budget impact analysis, utility of health states, genetics of diabetes, cancer epidemiology, the availability of medical services	Polish
4.	Prof. dr hab. Andrzej Jaroszyński	0000 0001 8194 1723	jaroszynskiaj@interia.pl andrzej.jaroszynski@ujk.edu.pl	1. Heat shock proteins in physiology and pathology 2. Advanced ECG in prediction of sudden cardiac death The influence of religiosity on health attitudes	Polish, English
5.	Dr hab. Wojciech Kiebzak prof. UJK	0000-0001-6035-6568	wojciech.kiebzak@ujk.edu.pl tel. 501621259	1. Civilization-related, multi-factor health hazards resulting from the use of mobile devices. 2. The importance of the relationship between the setting of biomechanical body parameters and the quality of life. The importance of biomechanical body parameters in planning the treatment process of physiological spine extension disorders.	Polish
6.	Dr hab. Piotr Lewitowicz, prof. UJK	0000-0002-5443-7975	piotr.lewitowicz@ujk.edu.pl , tel. 604420369	1. The expression level of fibroblast growth factor receptor on the course of colorectal cancer. 2. The role of cancer-associated fibroblasts on the course of colorectal cancer. The role of cancer stem cells in colorectal cancer.	Polish / English
7.	Dr hab. Tomasz Rogula, Prof. UJK	0000-0002-8719-6880	tomasz.rogula@ujk.edu.pl tomrogula@gmail.com tel. +1(216)2969053	1. Metabolic Syndrome Prevalence and Response to Medical and Surgical Therapy - Multi Ethnic Longitudinal Study. 2. Machine Learning Image Processing in Recognizing Intra-peritoneal Features of Metabolic Syndrome. 3. Artificial Intelligence Algorithms in Search of Early Cardio Metabolic Syndrome and	English / Polish

				<p>Prediction of Premature Cardiovascular Mortalities.</p> <p>4. Short and Long Term Effects of Bariatric and Metabolic Surgery in South Texas vs Polish Patients.</p> <p>5. Robotic Surgery - Multi Specialty Analyzes of Potential Benefits, Risks, Costs and Perspectives.</p> <p>6. Gastro-Esophageal Reflux in Obese Patients Undergoing Bariatric Surgery: Prevalence, Outcomes of Surgical and Medical Therapies, Prevention and Management.</p> <p>7. Prevention and Management of Medical and Surgical Complication in Cardio Metabolic Surgery.</p> <p>8. Short and Long Terms Outcomes of Bariatric Surgery in Patients with End Stage Renal Disease Undergoing Renal Transplantation.</p> <p>9. Non-Alcoholic Fatty Liver Disease and Steatohepatitis - Prevalence in Different Ethnical Groups and Long Term Outcomes of Metabolic Surgery.</p> <p>10. Cardiovascular Outcomes in Obese Patients Undergoing Metabolic Surgery.</p> <p>Diabetes Control in Patients Undergoing Various Types of Bariatric Surgery in a Large Population; Short and Long Term Study.</p>	
8.	dr hab. n. med. Przemysław Wolak, prof. UJK	0000-0003-4450-5011	przemyslaw.wolak@ujk.edu.pl tel. +48 501 036 049	Pediatric surgery, conservative treatment of parenchymal organ injuries, surgical treatment of tumors in children, pediatric gynecology, minimally invasive surgery	Polish
9.	Dr hab. n. med. Piotr Kędzierawski	0000-0002-1835-8794	piotr.kedzierawski@ujk.edu.pl , tel. 609 211 933	Oncology, quality of life during and after oncological treatment	Polish / English
10.	Dr hab. Sylwia Terpiłowska	0000-0002-2988-9443	sylwia.terpilowska@ujk.edu.pl	<p>1. Micronutrient metabolism and interactions in an <i>in vitro</i> system.</p> <p>2. Preclinical studies of new drugs and biologically active substances using <i>in vitro</i> cell cultures.</p> <p>3. Mechanisms of action of potential drugs.</p> <p>4. Study of biocompatibility of biomaterials used in medicine and biotechnology.</p> <p>5. Assessment of the toxicity of xenobiotics.</p> <p>Determination of biomarkers in the diagnosis and treatment of diseases.</p>	English