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

| Sg. | PhD Supervisor | ORCID | Contact | Research topics | Language of the doctoral |
|-----|---|---------------------|------------------------------|--|--------------------------|
| | 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 2000 2002 2564 2622 | e-mail | 4 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | dissertation |
| 1. | Dr hab. Jacek Wilczyński, | 0000-0003-2564-8623 | jwilczynski@onet.pl | Body posture defects, postural stability, | Polish |
| | prof. UJK | | | balance and gait disturbances. | |
| | | | | 2. Body posture defects, postural stability, | |
| | | | | balance and gait disorders. | |
| | | | | 3. Body posture defects and stress resistance. | |
| | | | | 4. Analysis of spectral postural responses | |
| | | | | using the Framiral Multitest Equilibre | |
| | | | | system. | |
| | | | | 5. The importance of vestibulospinal, | |
| | | | | vestibulo-optic and vestibulo-oculomotor | |
| | | | | reflexes in controlling balance and | |
| | | | | postural stability in children with postural | |
| | | | | defects and scoliosis. | |
| | | | | 6. Body posture defects and scoliosis and | |
| | | | | vagal tone (polyvagal theory). | |
| | | | | 7. Body posture defects and scoliosis and | |
| | | | | sympathetic-parasympathetic balance. | |
| | | | | 8. Body posture defects and scoliosis and | |
| | | | | spectral analysis of sinus rhythm | |
| | | | | variability. | |
| 2. | dr hab. Ryszard | 0000-0002-2898-4676 | ryszard.zarzeczny@ujk.edu.pl | Research interests currently focus on two | Polish |
| | Zarzeczny, prof. UJK | | | 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 | |
| | | | | , 5 5 | |
| | | | | individuals? and 2) what are the most effective | |

| | | | | therapies for older people with already impaired functional mobility? | |
|----|--|---------------------|--|--|--------|
| 3. | Prof. dr hab. Waldemar Brola | 0000-0002-7955-3454 | waldemar.brola@ujk.edu.pl | Epstein-Barr virus infection and the pathogenesis of multiple sclerosis | Polish |
| 4. | Prof. dr hab. Grażyna Nowak-Starz, 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 the aspect of lifestyle diseases. Interpersonal competences, including intercultural ones, of medical students and team work for the patient. Health care system – management, adverse events and medical errors. | Polish |
| 5. | Prof. dr hab. Beata Wożakowska-Kapłon | 0000-0003-1409-4362 | bw.kaplon@poczta.onet.pl | Internal diseases, cardiology | Polish |
| 6. | dr hab. Ewa Orlewska, prof. UJK | 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 |
| 7. | Dr hab. Wojciech Kiebzak prof. UJK | 0000-0001-6035-6568 | wojciech.kiebzak@ujk.edu.pl | Civilization-related, multi-factor health hazards resulting from the use of mobile devices. 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 |
| 8. | Dr hab. Monika Szpringer, prof. UJK | 0000-0002-6510-5714 | monika.szpringer@ujk.edu.pl | Prevention of behavioural disorders and risky behaviors in adolescents and adults. Prevention and therapy of addiction to psychoactive substances. Quality of life in somatic and mental diseases The effectiveness of psychological therapies in reducing anxiety, stress, depressive symptoms and improving the quality of life. Factors influencing the improvement of mental and social functioning. | Polish |

| | | | | Trauma and its consequences for physical and mental health. | |
|-----|--|---------------------|-----------------------------|---|-----------------|
| 9. | Dr hab. Piotr Lewitowicz, prof. UJK | 0000-0002-5443-7975 | piotr.lewitowicz@ujk.edu.pl | 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. | olish / English |
| 10. | Dr hab. Tomasz Rogula, Prof. UJK | 0000-0002-8719-6880 | tomrogula@gmail.com | | nglish / Polish |

| | | | | 10. Cardiovascular Outcomes in Obese Patients Undergoing Metabolic Surgery. 11. Diabetes Control in Patients Undergoing Various Types of Bariatric Surgery in a Large Population; Short and Long Term Study. | |
|-----|--|---------------------|---|---|------------------|
| 11. | dr hab. n. o zdr. prof. UJK Beata Szczepanowska- Wołowiec | 0000-0002-7051-3042 | beata.szczepanowska- wolowiec@ujk.edu.pl | The main research interests focus on the broad issues of body posture, balance among children, adolescents and adults, issues in the field of physical therapy, neurology, orthopedics and geriatrics. | Polish |
| 12. | Dr hab. n. med. Piotr Kędzierawski | 0000-0002-1835-8794 | piotr.kedzierawski@ujk.edu.pl | Oncology, quality of life during and after oncological treatment | Polish / English |
| 13. | Dr hab. Sylwia Terpiłowska | 0000-0002-2988-9443 | sylwia.terpilowska@ujk.edu.pl | Micronutrient metabolism and interactions in an in vitro system. Preclinical studies of new drugs and biologically active substances using in vitro 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. | English |