

**Ordinance No. 59/2026
of June 2, 2026
issued by the Rector of the Medical University of Lodz**

**on the announcement of recruitment and limit of admissions to the Doctoral School of
Molecular Medicine and the list of places at the Doctoral School of Molecular Medicine
awarded to research and teaching units of the Medical University of Lodz for the academic
year 2026/2027**

Pursuant to Article 23 Item 1 of the Act of 20 July 2018 – Law on Higher Education and Science (Journal of Laws of 2024, Item 1571, as amended), and § 13 Item 2 and § 12 Item 3 of the Statutes of the Medical University of Lodz of 27 June 2019, as amended, in connection with § 6 Item 6 of the Resolution No. 1/2026 of January 29, 2026 adopted by the Senate of the Medical University of Lodz on the procedure of recruitment to the Doctoral School of Molecular Medicine in the academic year 2026/2027, the following Ordinance is hereby issued:

§ 1

1. The following is hereby announced for the academic year 2026/2027:

- 1) recruitment to the Doctoral School of Molecular Medicine, run by the Medical University of Lodz, in the following disciplines: pharmacology and pharmacy and medical sciences;
- 2) 2. limit of admissions to the Doctoral School of Molecular Medicine for each of the disciplines referred to in Point 1, as specified in Appendix No. 1 hereto;
- 3) 3. list of places at the Doctoral School of Molecular Medicine awarded to research and teaching units of the Medical University of Lodz, enclosed as Appendix No. 2 hereto.

The recruitment to the Doctoral School of Molecular Medicine is conducted for places awarded to research and teaching units of the Medical University of Lodz, within the limit of admissions referred to in Item 1 Point 2.

§ 2

The Directive becomes effective July 1, 2026.

RECTOR: *Prof. Janusz Piekarski PhD, DSc*

Promulgation of the legal act:

- Intranet/Public Information Bulletin

Appendix No. 1 to Ordinance No. 59/2026
of June 2, 2026
Rector of the Medical University of Lodz

**Admission limits to the Doctoral School of Molecular Medicine
conducted by the Medical University of Lodz
for the academic year 2026/2027**

Discipline	Admission limit
Pharmacology and pharmacy	2
Medical sciences	14

List of places at the Doctoral School of Molecular Medicine awarded to the University research and teaching units in academic year 2026/2027 and a list of research topics submitted by the University's research and teaching units as well as by Partners (universities and scientific institutions collaborating with the University in the education of doctoral students within the Doctoral School of Molecular Medicine, based on the concluded agreement).

MEDICAL SCIENCES							
No	Unit (MUL)	Head of Unit	Partner's unit proposing the research topic	Number of places	Proposed supervisor	Research topics	Candidate's profile (completed field of study)
1	Klinika Dermatologii, Dermatologii Dziecięcej i Onkologicznej	prof. dr hab. n. med. Joanna Narbutt	Medical University of Lodz	1	prof. dr hab. n. med. Aleksandra Lesiak,	Molecular and epigenetic determinants of immune dysfunction in rare genetically determined skin diseases – implications for personalized diagnostics and therapy	Medicine
2	Department of Biochemistry	prof. dr hab. n.med. Jakub Fichna	1. Medical University of Lodz	14	1. prof. dr hab. n. med. Jakub Fichna	1. Selected signaling pathways as a target for novel therapies in pancreatic adenocarcinoma.	1. Medicine, Biology, Pharmacy, Biotechnology
			2a. Medical University of Gdansk		2a. dr hab. n. med. Bartłomiej Tomasik	2a. Evaluation of cardiotoxicity following treatment of stage III non-small cell lung cancer.	2a. Medicine

			2b. Medical University of Gdansk		2b. dr hab. Jakub Mieczkowski	2b. Multimodal analysis of low-dose diagnostic imaging data, genetic data and satellite imagery using machine learning methods and integration of heterogeneous data sources.	2b. Computer Science, Mathematics, Physics, Biotechnology, Biology, Medicine
			2c. Medical University of Gdansk		2c. dr hab. Jakub Mieczkowski	2c. Novel computational architectures and high-performance processing algorithms for low-dose diagnostic imaging, genomics and satellite imagery using CPU/GPU.	2c. Computer Science, Mathematics, Physics, Biotechnology, Biology, Medicine
			3a. Institute of Hematology and Transfusion Medicine		3a. dr hab. Irena Misiewicz-Krzemińska	3a. The impact of treatment on the immune profile and phosphoproteome in multiple myeloma - translational research.	3a. Biotechnology, Biology, Pharmacy, Medicine, Biophysics, Biomedical Engineering, Chemistry
			3b. Institute of Hematology and Transfusion Medicine		3b. prof. dr hab. Ewa Lech-Marańda	3b. MDS-related mutations as markers of founder clones and determinants of relapse in acute myeloid leukemias: analysis of mutational profile, clonal evolution and VAF dynamics.	3b. Medicine
			4. Institute of Computer Science, PAS		4. dr hab. inż. Bartosz Wojtaś	4. Reprogramming of the immune microenvironment	4. Bioinformatics

						in glioblastoma multiforme under the influence of DNA methylation.	
			5a. University of Rzeszów		5a. prof. dr hab. n. med. Izabela Zawlik	5a. Evaluation of the utility of selected microRNAs as potential diagnostic, predictive and prognostic biomarkers in patients with ovarian cancer.	5a. Biotechnology, Medicine
			5b. University of Rzeszów		5b. dr hab. inż. Dorota Bartusik-Aebisher	5b. Application of soft ionization technique in mass spectrometry (Matrix-Assisted Laser Desorption/Ionization) for characterization of cell biology before and after photodynamic therapy (PDT).	5b. Medical Physics, Biophysics, Biology, Biotechnology
			6a. Greater Poland Cancer Centre		6a. prof. dr hab. inż. Wiktoria Suchorska	6a. The impact of ultra-high dose rate radiation beam parameters on the biological response of normal and neoplastic cells.	6a. Medical Biotechnology
			6b. Greater Poland Cancer Centre		6b. dr hab. Katarzyna Ida Kulcenty	6b. The role of m6A modification in the regulation of alternative splicing in head and neck cancers.	6b. Biotechnology
			6c. Greater Poland Cancer Centre		6c. prof. dr hab. Hanna Dams-Kozłowska	6c. Evaluation of therapeutic activity of substances delivered in silk nanospheres targeting cancer-associated	6c. Biology, Biotechnology

						fibroblasts in heterotypic models of breast cancer.	
			7a. Nencki Institute of Experimental Biology, PAS		7a. dr. hab. Adriana Magalska	7a. Development of an in vivo high-throughput platform for the identification of peptides inhibiting protein aggregation in neurodegenerative diseases using a C. elegans model.	7a. Biology, Pharmacy, Biotechnology, Medicine, Biophysics, Microbiology, Biomedical Engineering, Bioinformatics
			7b. Nencki Institute of Experimental Biology, PAS		7b. prof. dr hab. Mariusz Więckowski	7b. Neurodevelopmental disorder associated with PACS2 gene mutations (OMIM#618067).	7b. Biology, Biotechnology, Medicine, Natural Sciences
3	Department of Pediatrics, Oncology and Hematology	prof. dr hab. n.med. Wojciech Młynarski	Medical University of Lodz	1	prof. dr hab. n.med. Wojciech Młynarski	Molecular research in pediatric oncology and hematology, studies on cellular models of hematological diseases, gene editing and gene therapy in congenital disorders of hematopoiesis.	Biology, Biotechnology, Medicine

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PHARMACOLOGY AND PHARMACY

No.	Unit (MUL)	Head of Unit	Partner's unit proposing the research topic	Number of places	Proposed supervisor	Research topics	Candidate's profile (completed field of study)
1	Department of Biochemistry	prof. dr hab. n.med. Jakub Fichna	1. Nencki Institute of Experimental Biology, PAS	2	1. dr hab. Mark Jeremy Hunt	1. Neurophysiological effects of intranasal ketamine administration.	1. Biology
			2. University of Rzeszów		2. dr hab. Kamil Jurowski	2. Integrated approaches to toxicity assessment and fate in the body (ADME) of small molecule nitrosamines present in drugs using in silico, in chemico and in vitro methods.	2. Pharmacy, Biotechnology, Medical Chemistry