

Fact Sheet Research 2026



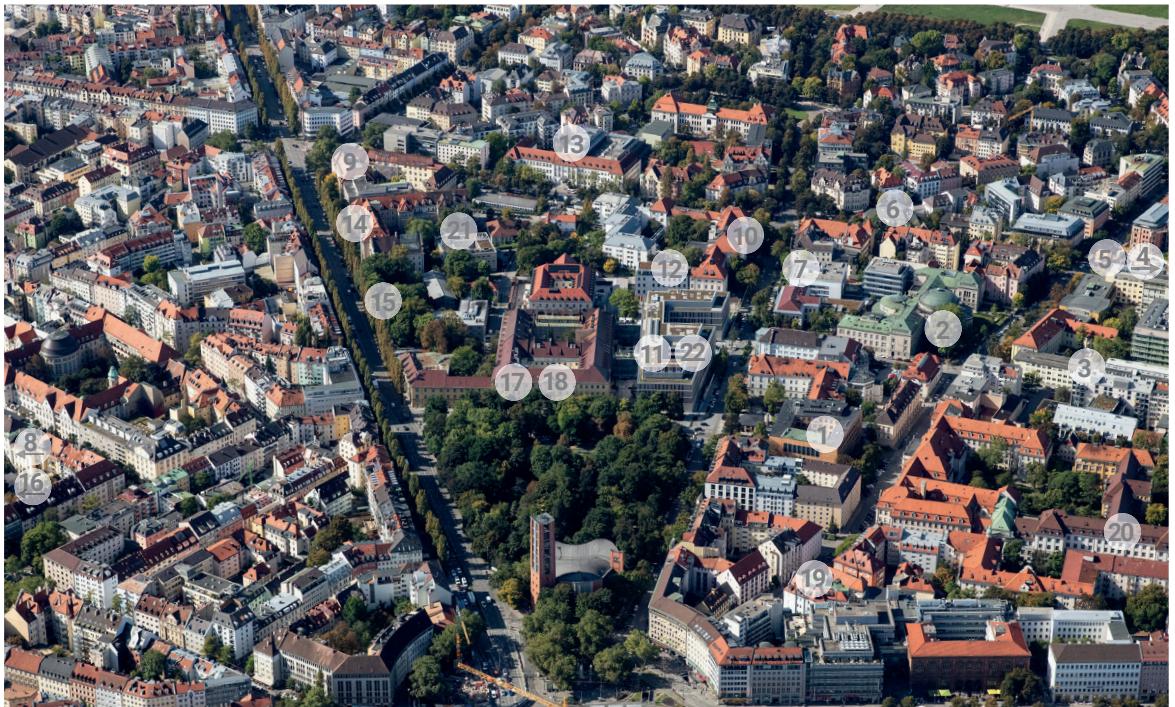
LMU Medizin with its Faculty of Medicine and its University Hospital is among Europe's leading centers of academic medicine. As part of Ludwig-Maximilians-Universität in Munich (LMU), they are connected to milestones and persons of the history of medicine: Wilhelm Conrad Röntgen (x-rays), Alois Alzheimer (neurodegenerative dementia), Max von Pettenkofer (hygiene), Adolf Friedrich Johann Butenandt (sexual hormones) and Feodor Lynen (cholesterol synthesis).

LMU Medizin is member of all eight German Centers for Health Research (cancer, cardiovascular diseases, child and adolescent health, diabetes, infection, lung diseases, mental health and neurodegenerative diseases research). These centers reflect the foci of medical research that are actively pursued in Munich, from the basic preclinical and clinical disciplines to rare diseases research. As part of the national program for excellence LMU Medizin hosts the Munich Cluster for Systems Neurology. LMU Medizin members are speaker of two nationally supported Collaborative Research Centers ("Sonderforschungsbereiche") by the German Research Foundation (DFG) and coordinate eight European, BMFTR and Bavarian research consortia. Members of LMU Medizin hold currently one Synergy Grant, three Advanced Grants, seven Consolidator Grants and nine Starting Grants by the European Research Council (ERC).

"Gemeinsam. Fürsorglich. Wegweisend – Sharing. Caring. Pioneering." – is the mission of LMU University Hospital. Together with its patients and partners it strives for ground-breaking research and state-of-the-art treatments in a caring environment.

Thanks to its achievements in research, teaching and patient care, the university hospital enjoys an excellent reputation both nationally and internationally. Its 11,766 staff members in the areas of medicine, patient care, administration, technology and maintenance are taking care of patients in 48 clinical departments, institutes and divisions. In addition, 53 interdisciplinary centers offer individual medical care. Interdisciplinary collaboration of experts from different medical areas enables efficient diagnosis and therapy. More than 530,000 patients are treated annually at both locations, the Campus City Center and the Campus Großhadern. With 2,062 beds, the university hospital provides high standards of diagnosis, treatment and nursing, and is one of the largest university hospitals in Europe.

The university hospital has an annual turnover of 1.5 billion Euro. This includes an annual research and teaching budget of 163.9 million Euro from the state of Bavaria. LMU Medizin secures additional third-party funding of over 164.1 million Euro per year.



Campus City Center

The Campus City Center is located only one kilometer from Marienplatz, the heart of Bavaria's capital. Its history dates back to a foundation hospital of the Brothers of Mercy in 1754.

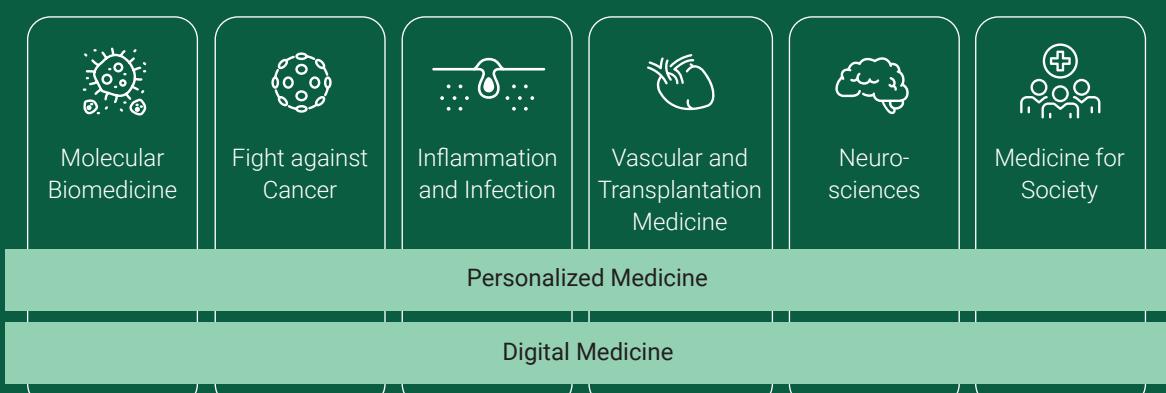
The **Max von Pettenkofer Institute** (1) is named after Max Joseph von Pettenkofer, the scientific founder of modern city sanitation and hospital hygiene. The **Institute of Anatomy** (2) was completed in 1907. It is one of the first steel concrete constructions in Germany. Other preclinical institutes of the faculty include the **Institutes of Physiology** (3), **Medical Psychology** (4), **Pharmacology and Toxicology** (5), **Ethics, History and Theory of Medicine** (6), **Legal Medicine** (7) and **Pathology** (8).

The **Dr. von Hauner Children's Hospital** (9) from 1846 is named after its founder, Dr. August von Hauner. The **Departments of Psychiatry and Psychotherapy** (10) witnessed Alois Alzheimer's first

description of Alzheimer's disease and the work of Emil Kraepelin. Germany's first heart transplantation was performed in 1969 at the **Department of Surgery** (11) in Nußbaumstraße. Other departments of the university hospital at the Campus City Center include the **Departments of Child and Adolescent Psychiatry, Psychosomatics and Psychotherapy** (12), **Dental Medicine** (13), **Oral and Maxillofacial Surgery and Facial Plastic Surgery** (14), **Radiation Oncology** (15), **Dermatology and Allergy** (16), **Radiology and Nuclear Medicine** (17), **Internal Medicine** (18), **Otorhinolaryngology** (19) and **Ophthalmology** (20) and **Clinical Pharmacology** (21). Opened 2021, the modern, interdisciplinary "Klinikum Innenstadt" (22) with 200 patient beds comprises expertise in the fields of internal medicine, surgery, emergency medicine and obstetrics and gynecology. On a total of 12,400 square meters of floor space it provides high-end medicine in the city center for generations of patients to come.

LMU Medizin for Life and Quality of Life

The research profile of LMU Medizin comprises six focal areas (columns). They are connected by the two interdisciplinary areas "Personalized Medicine" and "Digital Medicine" (rows).



Campus Großhadern

The Campus Großhadern hosts most of the high-tech medicine of LMU Medizin. The **Main Patient Ward Building (1)** of the university hospital is lovingly called “the toaster”. It hosts 1,172 beds in total. Adjacent to it, the **Surgical and Acute Care Center (2)** houses emergency rooms, operating rooms and intensive care units. The main building is connected to the **Lecture Halls (3)**, a main teaching site of LMU Medizin. Together, these buildings form the heart of LMU Medizin Campus Großhadern. The Campus will be greatly expanded in the coming 20 years, including a new **Children's Hospital (4)**.

The university hospital is surrounded by a cluster of excellent biomedical, preclinical and clinical research centers including the **Center of Stroke and Dementia Research (5)**. The new research building **Interfaculty Center for Endocrine and Cardiovascular Disease Network Modeling and Clinical Transfer** (ICON) (6) was completed in 2024, see box below.

The neighbouring building for **Microbiological and Virological Diagnostics (DIAG)** (7) was completed in early 2025. In proximity to **Neuropathology (8)**, the **Gene Center (9)**, **BioSysM**, the **Center for Molecular Biosystems (10)**, and the **Faculty of Chemistry and Pharmacy (11)** are strong partners in research and teaching. At the western border of the Campus Großhadern, separated by sports facilities and a small forest, lies the **Biomedical Center (12)** the **LMU Biocampus Martinsried** housing the **Faculty of Biology (13)**, the **Startup Campus (14)** and the **Max Planck Institutes for Biological Intelligence (15)** and **Biochemistry (16)**. Together, these institutions and the startup companies at Campus Großhadern and Martinsried form one of the largest and most active biomedical clusters in Europe.



ICON – The New Research Building at Campus Großhadern



The new research building “Interfaculty Center for Endocrine and Cardiovascular Disease Network Modelling and Clinical Transfer (ICON)” was opened in December 2024. It bundles the expertise of the LMU Medizin and the Faculty of Veterinary Medicine to develop innovative diagnostic and therapeutic methods for endocrine and cardiovascular diseases. Innovative concepts from basic research will be validated using tailored large animal models. The center is closely linked to the university hospital and its Clinical Study Center, ensuring rapid translation of research into clinical practice.

ICON was funded with Euro 61.2 million, shared by the federal government and Bavaria. With 6,800 total square meters it offers state-of-the-art laboratory and

office space. It marks a significant milestone in advancing research in the field of cardiovascular diseases, according to the World Health Organization (WHO), the most common cause of death worldwide.

Facts and Figures

Departments and staff



14 basic science and preclinical institutes

48 university hospital departments, divisions and institutes



13,233 staff members, thereof:

1,467 basic science & preclinical

11,766 university hospital

Research



31 Mio. Euro third-party (basic science & preclinical)

133 Mio. Euro third-party (university hospital)

164 Mio. Euro research and teaching (university hospital)



3,824 publications, 30,018 JIF (total), thereof:

457 publications, 4,411 JIF (basic science & preclinical)

3,367 publications, 25,607 JIF (university hospital)



2,258 active clinical studies, thereof:

627 active interventional studies

Academic Excellence



Patient care



2,062 in-patient beds

89,574 in-patients (including day-care patients)

443,047 out-patients

Teaching



199 professors, thereof:

63 basic science & preclinical

136 university hospital



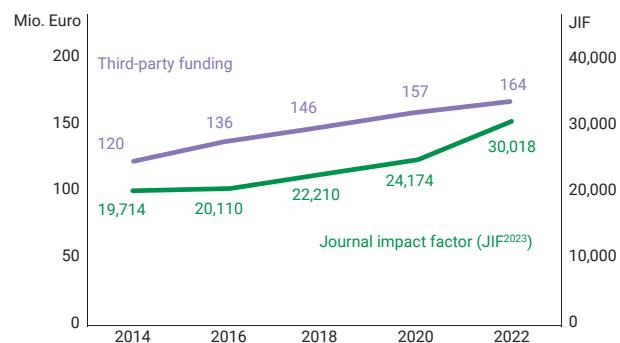
70 completed habilitations

481 completed doctoral degrees



6,857 students, summer term 2024

7,388 students, winter term 2024/2025



Research consortia



- 3 Clusters of Excellence
- 2 Collaborative Research Centers (nationally funded, speaker)
- 8 German Centers for Health Research (DZG)
- 1 Synergy Grant, 3 Advanced Grants, 7 Consolidator Grants, 9 Starting Grants by the European Research Council (ERC)
- 8 coordinated EU, BMFTR and Bavarian research consortia
- 7 coordinated doctoral and clinician scientist programs
- 8 G-BA Innovation Fund projects

Gottfried Wilhelm Leibniz Prizes



- Prof. Dr. Erika von Mutius (2013)
- Prof. Dr. Christoph Klein (2010)
- Prof. Dr. Magdalena Götz (2007)
- Prof. Dr. Peter B. Becker (2005)
- Prof. Dr. Christian Haass (2002)

High impact publications of the past five years

Journal	Impact factor 2023	Number of publications 2020 to 2024
The Lancet	98.4	63
The New England Journal of Medicine	96.2	51
The BMJ	93.6	11
Nature Reviews Disease Primers	76.9	10
Nature Medicine	58.7	48
Annals of Oncology	56.7	49
Nature	50.5	54
The Lancet Neurology	46.5	52
Cell	45.5	36
Science	44.7	26
The Lancet Diabetes & Endocrinology	44.0	22
Journal of Clinical Oncology	42.1	42
The Lancet Oncology	41.6	38
Signal Transduction and Targeted Therapy	40.8	10
The Lancet Respiratory Medicine	38.7	20
The European Heart Journal	37.6	75
Nature Methods	36.1	12
Circulation	35.5	41

Selected journals with impact factor >35 and ≥ 10 publications

German Strategy for Excellence (Exzellenzstrategie)



Synergy – Munich cluster for systems neurology (since 2012 – Prof. Dr. M. Götz, Prof. Dr. M. Dichgans)



NUCLEATE – Cluster for nucleic acid sciences and technologies (starting 2026)



BioSysteM – Bio-systems design Munich (starting 2026)

DFG (Collaborative Research Centers, Research Training Groups and Research Units)*



SFB 1123 – Atherosclerosis – Mechanisms and networks of novel therapeutic targets (since 2014 – Prof. Dr. C. Weber)



TRR 152 – Maintenance of body homeostasis by TRP channel modules (since 2014 – Prof. Dr. T. Gudermann)



GRK 2621 – Predictors and outcomes in primary depression care (2021 to 2026 – Prof. Dr. J. Gensichen)



GRK 2338 – Targets in toxicology – deciphering therapeutic targets in lung toxicology (since 2018 – Prof. Dr. T. Gudermann)



FOR 5621 – OCU-GT – Addressing the unmet needs in ocular gene therapy (since 2024 – Prof. Dr. S. Michalakis)



FOR 2879 – Immuno Stroke – From immune cells to stroke recovery (since 2019 – Prof. Dr. A. Liesz)

German Centers for Health Research (DZG)



DKTK – German Cancer Consortium (LMU speaker: Prof. Dr. Dr. M. von Bergwelt)



DZD – German Center for Diabetes Research (LMU speaker: Prof. Dr. E. Wolf)



DZHK – German Center for Cardiovascular Research (LMU speaker: Prof. Dr. C. Weber)



DZIF – German Center for Infection Research (LMU speaker: Prof. Dr. M. Hoelscher)



DZKJ – German Center for Child and Adolescent (LMU speaker: Prof. Dr. Dr. C. Klein)



DZL – German Center for Lung Research (LMU speaker: Prof. Dr. A. Ö. Yildirim)



DZNE – German Center for Neurodegenerative Diseases (LMU speaker: Prof. Dr. Dr. C. Haass)



DZPG – German Center for Mental Health (LMU speaker: Prof. Dr. P. Falkai)

Federal Ministry of Research, Technology and Space (BMFTR)*



UNITE4TB – United innovation and treatment for tuberculosis (2021 to 2028 – Prof. Dr. M. Hölscher)



CLINSPECT-M – Clinical mass spectrometry center Munich (2020 to 2026 – Prof. Dr. D. Teupser)



Data Integration for Future Medicine

DIFUTURE – Data integration for future medicine (2018 to 2026 – Prof. Dr. U. Mansmann)

Bavarian Research Consortia



BZKF – Bavarian Center for Cancer Research (LMU representatives: Prof. Dr. C. Belka, Prof. Dr. F. Klauschen, Prof. Dr. L. von Baumgarten)



BAYCELLATOR – The Bavarian cell therapy catalyst (2023 to 2026 – Prof. Dr. S. Kobold)

G-BA Innovation Fund*



EASY-PID (2026 to 2027 – Prof. Dr. J. Hübner)



MIGRA-MD (2025 to 2029 – Dr. R. Ruscheweyh)



WELCOME (2024 to 2028 – Prof. Dr. U. Fischer)



SOLongCOVID (2024 to 2027 – Dr. D. Koller)



TARGET-ADE (2024 to 2027 – Prof. Dr. T. Dreischulte)



KIDS (2023 to 2026 – Prof. Dr. F. Schwendicke)



PARTNER (2022 to 2026 – Prof. Dr. T. Dreischulte)



TARGET (2022 to 2025 – Dr. K. Berger-Thürmel)

European Union (EU)*



BiotaBB – Modulation of brain barrier function (2023 to 2026 – C. Benakis, PhD)



VasOX – Role of oxidative stress for neuro-vascular function (2023 to 2026 – Prof. Dr. N. Plesnila)



IMMOSCAN – The role of immune osteoclasts in cancer (2022 to 2025 – Prof. Dr. H. Taipaleenmäki)

European Research Council (ERC)

	MicroClock – The bacillus subtilis circadian clock (2025 to 2030 – Prof. Dr. M. Merrow)
	MONOFUN-CV – Modulating non-canonical functions of microRNAs in cardiovascular disease (2026 to 2030 – Prof. Dr. C. Weber)
	APROSUS – Microbiome-derived asthma and allergy protective substances for prevention (2023 to 2027 – Prof. Dr. E. von Mutius)
	NeuroCentro – Novel mechanisms of neurogenesis (2020 to 2026 – Prof. Dr. M. Götz)
	IMPROVE_LIFE – Investigate maternal and paternal risk factors (2024 to 2029 – Prof. Dr. H. Stöckl)
	CATACLIS – Cancer tailored nextgeneration cellular therapies (2024 to 2029 – Prof. Dr. S. Kobold)
	switchDecoding – Decoding the path to cellular variation within pathogen populations (2023 to 2028 – Prof. Dr. N. Siegel)
	ExoDevo – Extracellular vesicles-mediated cross-talk during human brain development and disease (2023 to 2028 – Prof. Dr. S. Capello)
	TRUSTED – Central and peripheral nervous system action of GIPR in obesity and diabetes (2022 to 2027 – Prof. Dr. T. Müller)



Calvaria – Translational aspects of the discovery of skull marrow-meninges connections (2021 to 2025 – Prof. Dr. A. Ertürk)



CompHematoPathology – Computational hemato-pathology for improved diagnostics (2020 to 2026 – Prof. Dr. C. Marr)



ARISE – Activate repair in stroke (2024 to 2029 – Prof. Dr. Dr. A. Wahl)



PHAGE-PRO – Advancing phage therapy through synergistic strategies (2024 to 2029 – Prof. Dr. C. Wendling)



OMEGA - Overcoming monocyte complexity in pulmonary fibrosis progression (2024 to 2029 – Dr. I. Fernandez)



MEKanics – Cell mechanics of megakaryocytes in 3D tissues (2024 to 2028 – Prof. Dr. F. Gärtner)



EpiCblood – Towards early cancer detection and tumor classification (2024 to 2028 – Dr. R. Villaseñor)



ImmGenDC – Dissecting the context-specificity of genetic immune regulation in plasmacytoid dendritic cells (2023 to 2028 – Dr. S. Kim-Hellmuth)



oxDOPAMIN – Unraveling the mystery of preferential degeneration of midbrain neurons (2021 to 2026 – Prof. Dr. L. Burbulla)



T-MEMORE – Thrombotic memory-linking a break in tolerance to platelets to rethrombosis (2020 to 2025 – Prof. Dr. K. Stark)



Neuroprecise – Precision medicine in traumatic brain injury (2019 to 2026 – Prof. Dr. I. Koerte)

Doctoral Programs, Clinician Scientist Programs*



Marie Curie Doctoral Network – T-RAFIC – Training network for tracking and controlling therapeutic immune cells in cancer (2025 to 2029 – Prof. Dr. S. Kobold)



Marie Curie Doctoral Network – SHARE-CTD – Sharing and re-using clinical trial data to maximise impact (2024 to 2027 – Prof. Dr. U. Mansmann)



Else Kröner-Fresenius Clinician Scientist Program – Transplantation medicine – strategies for ex vivo repair of donor livers and kidneys (2023 to 2026 – Prof. Dr. C. Lange)



Else Kröner-Fresenius Clinician Scientist Program – Immuno-oncology and local intervention (2022 to 2025 – Prof. Dr. S. Kobold)



Else Kröner-Fresenius "Promotionskolleg" – FöFoLe Inflammation (2021 to 2027 – Prof. Dr. H. Anders)



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Dean: Prof. Dr. Thomas Gudermann
 Dean of Research: Prof. Dr. Stefan Endres (until Sep. 2025), Prof. Dr. Frederick Klauschen (since Oct. 2025, v.i.S.d.P.)

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Chief Medical Officer & CEO: Prof. Dr. Markus M. Lerch

References: Annual report 2024, EvaLuna 2000, 2021, 2022, 2023 2024, DFG, EU, BMBF, Else Kröner-Fresenius Stiftung, Elitenetzwerk Bayern, G-BA

Picture Credit: LMU Klinikum, LMU, Diefenbacher/LMU (cover picture), ZB GmbH / Luftbildverlag Bertram GmbH (aerial view Campus Großhadern)

