



LUDWIG-  
MAXIMILIANS-  
UNIVERSITÄT  
MÜNCHEN



## RESEARCH

# INTERNATIONALLY RECOGNIZED FOR EXCELLENCE



**LMU Munich is one of Europe's leading research universities. With its highly diversified curriculum, it possesses the expertise to make outstandingly innovative contributions to research in many fields.**



The University's library and the Bavarian State Library together possess nearly 15 million books and other media.



Theodor Hänsch (Nobel Laureate in Physics in 2005) in his laboratory

The know-how and creative intelligence of its faculty and staff are the basis for LMU's distinguished record of accomplishments in research, as was further confirmed by the University's performance in the Excellence Initiative, a nationwide competition to promote top-level university research. In both rounds (2006 and 2012), LMU was awarded a higher level of funding than any of its peers.

→ [www.lmu.de/excellent](http://www.lmu.de/excellent)

### **Emphasis on interdisciplinarity**

Interdisciplinary interactions bring diverse research fields together, stimulating teachers and students to think "outside the box" and enabling unexpected breakthroughs to be made. The broad palette of subjects covered at LMU – from humanities and cultural studies to legal and social sciences, from economics to medicine and natural sciences – is an ideal basis for interdisciplinary cooperation. These disciplines are organized in 18 faculties, and cooperate in diverse research centers that promote collaboration in and between faculties.

→ [www.en.lmu.de/about\\_lmu/academics](http://www.en.lmu.de/about_lmu/academics)



Excellent working conditions for scientists and scholars in all academic disciplines

### **An attractive research environment**

At LMU, faculty and visiting researchers from all over the world find state-of-the-art facilities and conditions appropriate to their needs – whether they focus on individual disciplines or work in multidisciplinary networks. As an integral part of Munich’s vibrant scientific and technological, commercial and cultural life, LMU possesses an excellent infrastructure for innovative basic research and the translation of its insights into applied technologies. The University also offers a variety of advisory services for doctoral students, junior researchers and established investigators ranging from support schemes offered by the Dual Career Service through coaching in personal development to assistance with the preparation of grant applications.

→ [www.en.lmu.de/scholars](http://www.en.lmu.de/scholars)

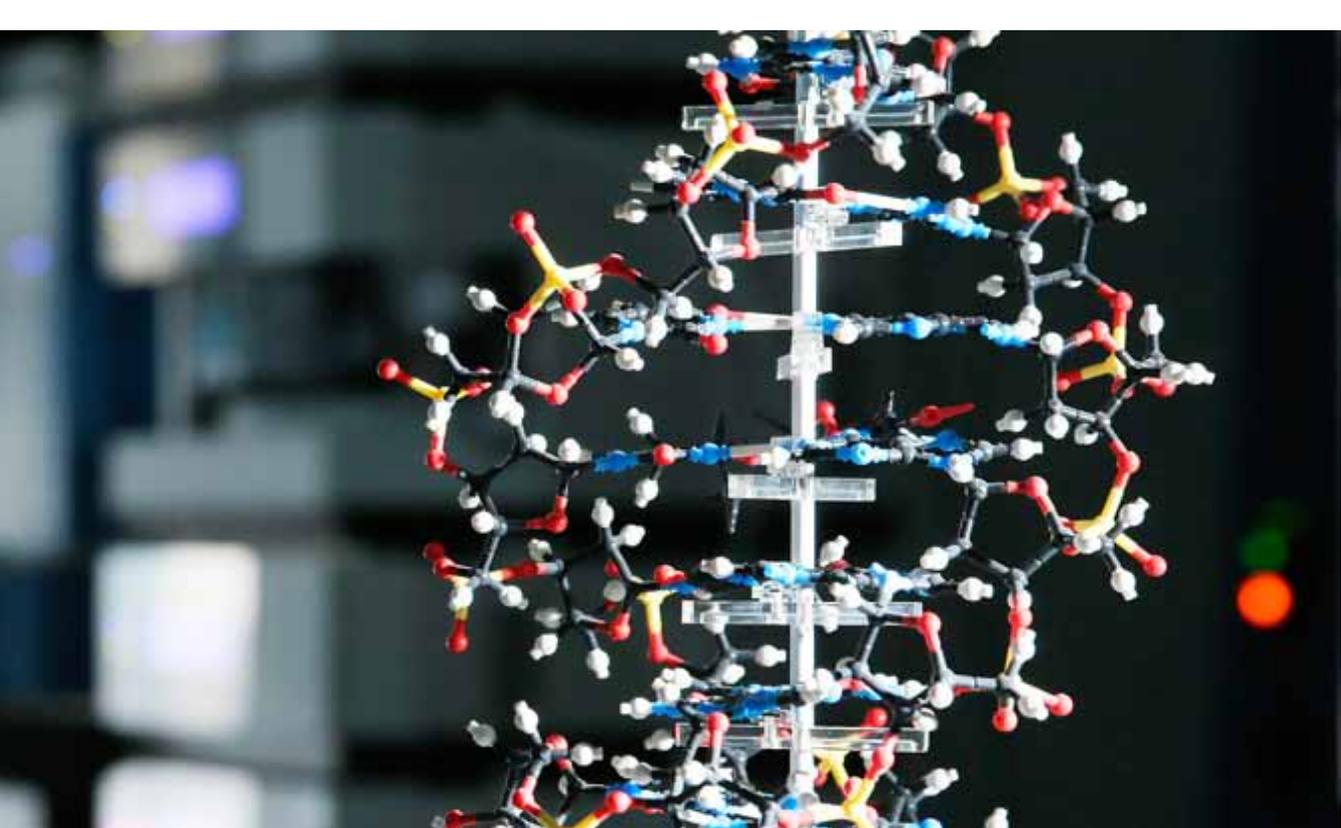
### **Nurturing junior researchers**

The future of every university rests on the creativity and insights of its young researchers. This is why LMU strives to create the best possible research and training opportunities for graduates and doctoral students. In addition to many international Master’s programs and traditional doctoral thesis projects supervised by a single mentor, the University now offers a growing number of doctoral programs in more broadly defined fields – from Buddhist studies to learning sciences and the biosciences.

Furthermore, LMU has set up dedicated mechanisms that provide clear and consistent career perspectives for early-career researchers. These mechanisms include targeted support measures for the postdoc stage and the extension of the tenure-track model, which LMU has successfully pursued for many years.

→ [www.graduatecenter.lmu.de](http://www.graduatecenter.lmu.de)

→ [www.en.lmu.de/scholars/postdocs](http://www.en.lmu.de/scholars/postdocs)



### Research connections

Because intellectual exchange and collaboration across disciplinary and national boundaries are the lifeblood of modern research, LMU maintains a dense network of contacts with other universities, research institutes and businesses. Among its local partners are the Technical University of Munich, globally active firms such as Audi and Munich Re, and, in particular, the institutes run by the Max Planck Society and the Helmholtz Society. In addition, LMU has entered into strategic research collaborations with internationally renowned universities, such as Harvard Medical School, the University of California at Berkeley and the University of Tokyo (Todai).

### A forum for academic exchange

LMU's Center for Advanced Studies (CAS) serves faculty members, staff and students as a platform for interdisciplinary exchanges. The Center also organizes events in which the latest research findings are made accessible to the general public. In addition to a broad range of activities that promote multiple forms of cooperation in research, the Center actively supports the integration of visiting researchers into the academic life of LMU.

→ [www.en.cas.lmu.de](http://www.en.cas.lmu.de)

### Keeping you up-to-date

LMU also uses its own dedicated media channels to keep the public, worldwide, up-to-date on the latest research in informed and vivid reports written in English by experienced science journalists. Up-to-the-minute news is published on the University's international website, and further background is provided in the insightLMU newsletter and the ScienceCasts video series.

→ [www.en.lmu.de/news](http://www.en.lmu.de/news)

→ [www.en.lmu.de/news/insightlmu](http://www.en.lmu.de/news/insightlmu)

### Outstanding research record

- Involved in 24 Collaborative Research Centers funded by the German Research Foundation (DFG), and is the coordinating institution in 10 of them
- Participated in 196 projects financed by the Seventh EU Framework Programme (2007 – 2013), and is the coordinating institution in 20 of them
- Obtained more highly endowed European Research Council grants than any other German university, and ranks 10th in Europe

### Most successful participant in the Excellence Initiative

- Host to four Clusters of Excellence (in nanosciences, protein research, laser physics, systems neurology), and prominent partner in a fifth (in astrophysics)
- Host to four Graduate Schools (in neurosciences, systems biology, Classical and Ancient studies, Eastern European studies)
- Institutional Strategy "LMUexcellent"

### Awards for achievement in research

- 13 Nobel Laureates since 1901 (Professor Theodor W. Hänsch won the 2005 Nobel Prize for Physics)
- 17 Leibniz Prizes
- 4 Alexander von Humboldt Professorships
- 24 European Research Council (ERC) Advanced Investigator Grants, 14 ERC Starting Independent Researcher Grants

### Faculty and staff

- More than 700 professors
- Some 3,900 academic staff members
- About 1,200 doctoral degrees and 100 habilitations per year



→ [www.en.lmu.de/about\\_lmu/research](http://www.en.lmu.de/about_lmu/research)