



Research and Teaching at Universität Hamburg



Universität Hamburg

DER FORSCHUNG | DER LEHRE | DER BILDUNG



A word of welcome

Welcome to Universität Hamburg!

Based on its pledge to promote sustainable, open-minded science and scholarship, Universität Hamburg aims to internationalize its research and teaching activities. This requires continuous input and ideas from the outside, lively exchange in global networks and a campus community open to integration. And it is why we want to attract international committed (young) scientists and scholars who are experts in their fields.

This brochure and our informative website provide an introduction to Universität Hamburg, an institution characterized by compelling subject diversity, excellent research and teaching conditions and a beautiful centrally-located campus. A “Welcome Service” dedicated to helping you organize your stay ensures that your time here will be a successful one.

We would be delighted to welcome you to Universität Hamburg!



Prof. Dr. Dieter Lenzen, President

A handwritten signature in blue ink, which appears to be 'D. Lenzen'.



Universität Hamburg

To research, to teach, to educate and form

Universität Hamburg was established on 28 March 1919 by the Hamburg State Parliament, making it the first German university founded by a citizen body. In 1911, entrepreneur Edmund Siemers endowed what would later become the University's Main Building. His mission statement, "To research, to teach, to educate and form," is still engraved above the main entrance. Universität Hamburg remains committed to these principles and sees research and teaching as inseparable pursuits. Their interaction makes sustainable education possible.

Great diversity

With more than 40,000 students, Universität Hamburg is Germany's third-largest university. Six schools with approximately 170 programs represent all the disciplines of a comprehensive university.





International and sustainable

International networks

Universität Hamburg has an international approach to research and teaching. It cooperates, for example, with Aarhus University in Denmark, Stellenbosch University in South Africa, Macquarie University in Australia, the University of California Berkeley in the USA and St. Petersburg University in Russia. Roughly 4,900 students from nearly 134 different countries are enrolled at Universität Hamburg. The University maintains an international network with over 300 partner universities.

Sustainable science and scholarship

Universität Hamburg embraces sustainable science and scholarship, and has developed its institutional strategy accordingly. This strategy strives to meet the twin challenges of environmental and cultural sustainability. Universität Hamburg places great value on a self-reflective and critical academic culture that encourages scientists and scholars to scrutinize the sustainability of their findings. The Center for a Sustainable University (KNU) promotes the development and organization of Universität Hamburg as a “University for a Sustainable Future.”





Center of research

Center of academic expertise

Universität Hamburg is North Germany's largest, most diverse research center. Its research spectrum includes a wealth of individual achievements as well as interdisciplinary cooperation. Interdisciplinary research and teaching activities are pursued in a number of cross-institutional centers, e.g. the Center for Earth Systems Research and Sustainability (CEN), for Marine and Atmospheric Research (ZMAW), Mathematical Physics (ZMP), Globalisation and Governance (CGG), Health Economics (HCHE), Bioinformatics Hamburg (ZBH), the Carl Friedrich von Weizsäcker Centre for Science and Peace Research (ZNF), Biotechnology, Society and Environment (BIOGUM), Molecular Neurobiology Hamburg (ZMNH) and Media and Communication (RCMC). Universität Hamburg also has strong partnerships, such as PIER, the "Partnership for Innovation, Education and Research," which it maintains with the German Electron-Synchrotron (DESY). Universität Hamburg and DESY cooperate further with the Max Planck Society in the Center for Free-Electron Laser Science (CFEL), a unique institution in Europe conducting research on – and making use of – the next generation of light sources.





Center of research

Research profile

The overall research profile encompasses a broad spectrum of research, including outstanding individual research achievements in single disciplines, key research areas on the faculty level, and large cross-disciplinary research projects in the university key research areas.

One of University's outstanding projects, dedicated to the pressing topic of the climate and climate change, is its cluster of excellence "Integrated Climate System Analysis and Prediction" (CliSAP). Alongside other research institutions in Hamburg, it constitutes a major part of the "KlimaCampus." In 2012, Universität Hamburg and its partners applied successfully for a further cluster of excellence, the "Hamburg Center for Ultrafast Imaging (CUI): Structure, Dynamics and Control of Matter at the Atomic Scale." This project investigates the movement of atoms in real time. Both clusters are funded by Germany's Excellence Initiative, enabling German universities locations to establish internationally visible, competitive research and training facilities to enhance scientific networking and cooperation among the participating institutions.





Key research areas

Climate, earth, environment

This key research area investigates the fundamental processes and characteristics of the earth's system, particularly in climate, marine and biodiversity research. Findings contribute primarily to an understanding of the causes and evolution of climate variability and change and their possible impact. A central part of the key research area is the cluster of excellence "Integrated Climate System Analysis and Prediction" (CliSAP).

Matter and the universe

This key research area investigates light-matter interaction, particularly in photon science and biostructure research, astro and particle physics as well as the interdisciplinary nano-sciences (e.g. nano-magnetism and nano-sciences in medicine). It also has several collaborative research centers and is home to the cluster of excellence "Hamburg Center for Ultrafast Imaging" (CUI).





Key research areas

Neurosciences

Scientists from the fields of medicine, psychology and IT work on a broad spectrum of projects in basic and therapy-oriented brain research, with a focus on neuroplasticity, pain, decision and learning processes as well as on stroke and neurodegenerative diseases.

Multilingualism

This key research area investigates migration-based multilingualism in modern urban areas and explores its risks and benefits. It proposes ways to exploit multilingualism to benefit individuals, societies, and the cultural and economic development of urban areas.

Governance

Using an interdisciplinary approach, the fields of law, economics and social sciences investigate regulation structures in countries, markets and corporations. Informal processes organized as networks or which supplement or replace formal institutions play a role in these investigations.





Key research areas

Heterogeneity and education

Various types of heterogeneity among students, such as multilingual backgrounds or differences in academic performance, create both educational opportunities and challenges. Based on current educational discourse, this key research area investigates opportunities for learning and teaching both within and outside formal institutions of education.

Infection research and structural biology

Infectious diseases are the greatest threat to human health worldwide and have a major economic impact. Universität Hamburg is currently implementing an integrated research focus on “Global and Emerging Infections.” Research addresses various aspects of structural biology, bio-imaging (including highest resolution devices), drug development, and host-pathogen interactions. Two cornerstones of this key research area include the coordination of the new Center for Structural and Systems Biology (CSSB) and participation in the German Center for Infectious Diseases (DZIF).





Research and teaching

Research and teaching

Roughly 670 of the 4,760 academic staff members at Universität Hamburg are full professors. They work in six schools, including the University Medical Center Hamburg-Eppendorf (UKE), and are supported by over 6,000 staff members working in technological support, university libraries, laboratories, healthcare and administration.

Universität Hamburg's schools

- School of Law
- School of Business, Economics and Social Sciences
- School of Medicine
- School of Education, Psychology and Human Movement
- School of Humanities
- School of Mathematics, Informatics and Natural Sciences





Hamburg

Academic careers

Employment opportunities

If you would like to do research or teach at Universität Hamburg, we offer a variety of interesting jobs: professorships, junior professorships, acting and guest professorships, and academic staff positions.

Personal development

You can steer your own academic career towards success by using Universität Hamburg's WIP website to hone your skills and plan your career path. Whether you are just beginning your academic career or have already gained valuable experience as a professor: we help you develop the skills you need to become an academic role model. We also offer workshops to help you plan your career.



Services



Scholarly exchange

Would you like to expand your international horizons and contacts? Are you planning to do research at Universität Hamburg? As part of our international network, scientists and scholars at partner universities can come to Universität Hamburg for one month to teach or do research. We can also offer financial support, depending on the program.

Service for incoming professors

Our Welcome Service and Dual Career Service help newly-appointed international professors and other international employees at Universität Hamburg gain a foothold at the University and in Hamburg.





Services

GÄSTEHAUS
UNIVERSITÄT HAMBURG
Stiftung Weltweite Wissenschaft

University Guest House

The Stiftung Weltweite Wissenschaft was established to promote national and international exchange among academics and to arrange academic meetings. It runs the Hamburg University Guest House, which provides accommodation to visiting academics and hosts events at the International Center for Scholarly Exchange.

Family-friendly higher education

The University is committed to sustainable scholarship. This also means helping faculty, staff and students reconcile academic or professional pursuit and family life. Promoting equal opportunity is an important task at the University. In 2012, Universität Hamburg was awarded a certificate as a family-friendly university in the “family-friendly higher education audit.”





Photo: www.mediaserver.hamburg.de, C. Spahr/bier

Hamburg

A great place to live

For many people, Hamburg is one of the world's most beautiful cities. Extensive waterways and green parks provide endless opportunities for recreation. Its cosmopolitan and maritime flair contribute substantially to the quality of life. Hamburg is also one of the European Union's most dynamic cities, attracting countless international companies, institutions and entrepreneurs from all over the world. Every year, roughly 80,000 people choose to make Hamburg their home.

Hamburg Welcome Center

The Hamburg Welcome Center in the Chamber of Commerce building at Alter Wall 11 was established to help newcomers to Hamburg, whether from Germany or abroad, with any questions or concerns they might have. If you need more help, we are happy to refer you to the right person or institution.



Universität Hamburg
Mittelweg 177
D-20148 Hamburg
Germany

Phone: +49-40-42838-0
Fax: +49-40-42838-6594
www.uni-hamburg.de

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