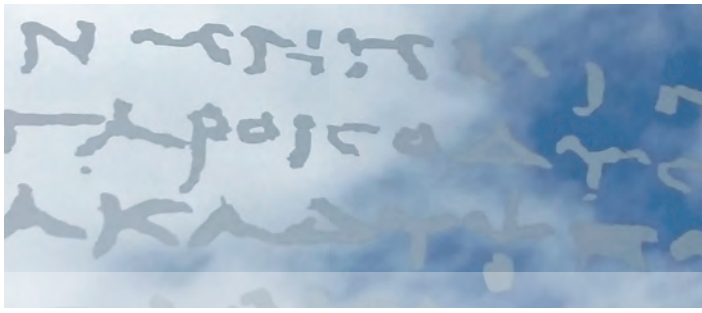
EBERHARD KARLS
UNIVERSITÄT
TÜBINGEN

INNOVATIVE.

INTERDISCIPLINARY.

INTERNATIONAL.



SINCE 1477.

TRANSCENDING BOUNDARIES IN SCIENCE, THE HUMANITIES, RESEARCH AND TEACHING

INNOVATIVE. INTERDISCIPLINARY. INTERNATIONAL | These three words sum up what makes the University of Tübingen one of Germany's top universities. We provide excellent research and teaching aimed at finding solutions to future challenges in a globalized society.

Our dynamic and high-profile research makes the University of Tübingen a desirable partner for collaboration within Germany and abroad. This is reflected in our placement in both domestic and international rankings. Collaborative research projects are especially important to us – particularly as the nature of higher education is changing. Tübingen, with its first-class research, is fit to compete for the finest minds and the most exciting research projects.

Networking and an international outlook are key to the University's success. We strive for closer contacts with research institutions at home and abroad. We seek to break down barriers between faculties, subjects, the sciences and the humanities, as well as between basic research and application-oriented research. We integrate research into teaching and forge links with business and beyond.

At the University of Tübingen, we do not regard research as an end in itself. Serving people, the environment, and society is our most important task.

Professor Dr. Bernd Engler
President and Vice-Chancellor

INNOVATIVE. INTERDISCIPLINARY. INTERNATIONAL.
SINCE 1477

TRADITION AND RESPONSIBILITY

FOR MORE THAN FIVE CENTURIES, THE UNIVERSITY OF TÜBINGEN HAS ATTRACTED GERMAN AND INTERNATIONAL THINKERS AND INITIATED IMPORTANT NEW DEVELOPMENTS IN THE HUMANITIES AND THE SOCIAL SCIENCES, IN MEDICINE AND THE SCIENCES.

1 Johannes Kepler
2 Wilhelm Schickard
3 Georg W. F. Hegel
4 Friedrich List
5 Friedrich Hölderlin
6 Ferdinand Braun
7 Friedrich Miescher
8 Alois Alzheimer

The University was established by Count Eberhard the Bearded of Württemberg in 1477, with faculties of Law, Medicine, Theology, and the Humanities. Soon outstanding scholars were drawn to the University and it became an important center of European Humanism. Great intellects such as the reformer Philipp Melanchthon were highly influential in shaping the development of the University in its early years.

The new ideas which arrived in Tübingen during the Reformation paved the way toward the modern age of science and analytic investigation, comparison and experimental research. For the mathematician and astronomer Johannes Kepler, his studies at the University of Tübingen were the starting point for many groundbreaking discoveries including his laws of planetary motion. His contemporary Wilhelm Schickhard, professor of Hebrew at the University of Tübingen, designed the world's first calculator in the early 17th century. Over the centuries, many key developments in German and European history have been closely linked with Tübingen. Hegel and Schelling, two of the most influential philosophers of German Idealism, studied in Tübingen alongside the poet Friedrich Hölderlin.

During the 19th century, the University of Tübingen underwent a period of remarkable expansion, particularly through the development of new subjects. In 1817, on the initiative of the economic theorist and railroad pioneer Friedrich List, a Faculty of Political Science was founded; it nurtured many of Germany's economists. In 1863, Tübingen was the first German university to establish a Faculty of Science. In 1869, the Swiss physician Friedrich Miescher isolated a substance during experiments on cell nuclei that he called nuclein. This was later identified as the carrier of genetic information, more commonly known as DNA. Numerous Nobel laureates have emerged from the University of Tübingen. One of them was Ferdinand Braun, who taught from 1887 in Tübingen and laid much of the groundwork for modern communications engineering. Alois Alzheimer is another name inseparable from the history of the University. The eminent neuropathologist studied at the University and in 1906 first described the dementia now named after him to a Tübingen audience.

In the second half of the 20th century, the University of Tübingen flourished in the humanities and theology. The philosopher Ernst Bloch, who fled Nazi Germany, taught at the University from 1961. Lord Ralf Dahrendorf left his mark on sociology in Tübingen. Hans Küng and Joseph Ratzinger (later Pope Benedict XVI) taught together at the Faculty of Catholic Theology. The University of Tübingen also made history in establishing the first institute of Rhetoric, which the philosopher Walter Jens founded and directed for several decades.

Its illustrious past is both an incentive and obligation for the University. Even today, our early historical buildings such as the Burse and the Alte Aula are used as places for study, education, and discussion. They form a vivid contrast to our ultra-modern infrastructure in which scientists and academics teach and conduct research at the highest level.

RESEARCH IN TÜBINGEN

1 PIVOTAL NETWORKS SHAPING THE FUTURE

MODERN RESEARCH THRIVES ON INTERDISCIPLINARY DIALOGUE.

At the University of Tübingen, brilliant minds work together closely in teaching and research. They often address issues that are key to our future – treatments for diseases considered to be incurable, plant research with a view to feeding the world, managing the environment and natural resources, understanding the universe, perception and thought, language as the basis of communication, and empirical education research. The complexity of these research areas requires close interdisciplinary collaboration.

The University actively engages with partners around the world – with other universities as well as with other research institutions. Numerous collaborations with industry ensure that our innovations arrive where they create value. By forming pivotal research networks, we are upholding our responsibility for contributing to the development of society, as research must serve and benefit our world.

1

RESEARCH IN TÜBINGEN

IN THE SPOTLIGHT

TÜBINGEN RESEARCH CAMPUS – LIVING NETWORKS

IN THE SPOTLIGHT | Few places in Europe have been shaped by research the way Tübingen has. Along with the University and University Hospitals, Tübingen is home to numerous research institutions, including four Max Planck Institutions, four Helmholtz Association Institutes and two Leibniz Institutes. Thousands of researchers are working to solve key problems across many fields. Together with the approximately 28,000 students at the University, they make Tübingen a place of innovation and critical thinking.

Thanks to a high proportion of Master's degree students, doctoral candidates and postdoctoral researchers who come from abroad, Tübingen has plenty of international flair. Since its foundation in 1477, the University has grown – but it remains a university town, which makes for short distances between key locations. The non-university research institutions in Tübingen are mostly located close to University institutes. These conditions are ideal for the exchange of ideas between teachers and students, and between researchers from University and external institutions.

Forming their own campus, the four Tübingen Max Planck Society institutions are the Institutes for Biological Cybernetics, Developmental Biology, and Intelligent Systems, as well as the Friedrich Miescher Laboratory which is important for promoting the interests of junior researchers. Through the establishment of German Health Research Centers, four Helmholtz institutes have emerged in close proximity to the University and the University Hospitals: the German Center for Diabetes Research, the German Center for Infection Research, the German Center for Neurodegenerative Diseases, and the German Consortium for Translational Cancer Research. The Leibniz Association is represented in Tübingen with the Knowledge Media Research Center and the Senckenberg Center for Human Evolution and Paleoenvironment. With the University, University Hospitals, and the Max Planck, Helmholtz and Leibniz institutes, Tübingen has a high concentration of research institutes which is surpassed by few other locations in the world.

TÜBINGEN RESEARCH CAMPUS – LIVING NETWORKS | In the past 15 years, the number of external research institutes in Tübingen has more than tripled. The dialogue between researchers from these institutes, the University and the University Hospitals has long been the foundation of research excellence in Tübingen. Since 2015, the institutes have been intensifying their collaboration, raising Tübingen's profile and making it more attractive to researchers from around the word. The Tübingen Research Campus (TRC) was launched within this partnership initiative.

Members of the TRC program are committed to expanding research networks and academic cooperation. This includes the development of research priorities and a focus on joint junior researcher training. Intensifying cooperation by sharing major instrumentation and core facilities is also an important objective of the TRC. Finally, the TRC partners are working together to create a welcoming culture by improving services for international researchers and making it easier for them to arrive and settle in Tübingen.

/ **The University of Tübingen and many respected research institutes are working together within the Tübingen Research Campus.**

TRC PARTNERS

- DZIF – German Center for Infection Research, Tübingen
- DKTK – German Consortium for Translational Cancer Research, Tübingen
- University of Tübingen
- Friedrich Miescher Laboratory of the Max Planck Society
- HIH – Hertie Institute for Clinical Brain Research
- IDM – Institute of Diabetes Research and Metabolic Diseases of Helmholtz Zentrum München at the University of Tübingen
- IWM – Leibniz Institute for Knowledge Media
- Max Planck Institute for Biological Cybernetics
- Max Planck Institute for Developmental Biology
- Max Planck Institute for Intelligent Systems, Tübingen
- NMI – Natural and Medical Sciences Institute
- University Hospitals Tübingen

RESEARCH

VISIONARY THINKING DARING TO CHALLENGE

EXCELLENCE IN RESEARCH.

Visionary and critical thinking are the lifeblood of research in Tübingen. Our strength lies in our research, both basic and applied. Together with our partners around the world, we are seeking ways of conquering hitherto incurable diseases, protecting natural resources, fighting famine, and learning more about cognition and human language.

In Tübingen, top researchers and junior researchers from the University and external institutes work together in interdisciplinary collaboration which transcends subject boundaries.
Through the German Excellence Initiative, we have initiated new forms of cooperation including four research platforms in the areas of Personalized Medicine, Medical Engineering, Environmental Systems Analysis, and Education – Society – Norms – Ethical Reflection.

2

RESEARCH

ONE OF THE BEST RESEARCH UNIVERSITIES IN THE WORLD

/ Tübingen is a dynamic research location inspired by a history of innovation.

THERE ARE TENS OF THOUSANDS OF UNIVERSITIES WORLDWIDE. BUT ONLY SOME 200 OF THEM CAN CLAIM TO RANK AMONG THE GROUP OF RESEARCH UNIVERSITIES WHICH HAVE AN INTERNATIONAL REPUTATION FOR RESEARCH EXCELLENCE.

The University of Tübingen is one of the most prestigious research universities. Each year, international rankings confirm our place among the top universities in Germany and Europe.

Many researchers have contributed to this outstanding success – around 4500 of them are currently working at the University. And we are proud that many of them are among the best in their field and have received prestigious awards such as a Humboldt Professorship, Leibniz Prize from the German Research Association, or an ERC grant from the European Research Council.

Several Nobel laureates have also emerged from the University. This wealth of research excellence underpins the dynamic development of Tübingen as a cutting-edge University which is also inspired by a history of innovation. We are proud that the University has repeatedly succeeded in its more than 500-year history to reinvent itself and to seek new challenges.

A recent major development for the University was its recognition as a University of Excellence in the 2012 German Excellence initiative. The University of Tübingen was successful in all Excellence Initiative funding lines, including Graduate Schools, Clusters of Excellence and Institutional Strategies. This support has made it possible for us to develop in many innovative new ways.

Under our Institutional Strategy motto, Research – Relevance – Responsibility, we are working harder than ever in future-oriented research fields such as personalized medicine, while intensifying internationalization efforts and the career development of junior researchers. The University has also made major investments in high-performance research infrastructure to ensure that Tübingen remains a top location for research in Europe in the 21st century.

2

RESEARCH

RESPONSIBILITY FOR LIFE
UNDERSTANDING THE BRAIN
PERSONALIZING CANCER THERAPY
INSIGHTS INTO THE BODY

/ Life Sciences is a core research area at the University of Tübingen.

RESPONSIBILITY FOR LIFE | Research in the Life Sciences has always been important at the University of Tübingen. This is reflected in our outstanding research results in areas from neuroscience to medicine and molecular biology. The strategic concept we follow in developing our research profile makes Tübingen a prominent location for life science research.

UNDERSTANDING THE BRAIN | The human brain has about 100 billion nerve cells, which have around 100 trillion connections. Tübingen researchers are working to understand the brain – the bedrock of human thoughts, emotions, and perceptions. The Werner Reichardt Center for Integrative Neuroscience (CIN), which has been funded by the Excellence Initiative since 2007, is the hub for research in this area. At CIN, researchers from the University and the Max Planck Society work on key issues such as the processing of visual information and the interaction between different areas of the brain. The Hertie Institute for Clinical Brain Research (HIH) investigates neurodegenerative diseases such as Alzheimer's and Parkinson's. Founded in 2000, HIH has established an excellent reputation both in Germany and internationally. With its modern structure and the close cooperation with the Department of Neurology at the University Hospitals, the Institute serves as a model for the future development of medicine at universities in Germany.
Close networks are one of the strengths of neuroscience at the University of Tübingen. Researchers from the University and University Hospitals work closely with the Max Planck Institutes in Tübingen, the Bernstein Network of Computational Neuroscience and the German Center for Neurodegenerative Diseases.

PERSONALIZING CANCER TREATMENT | Personalized medicine is a game changer in medicine. It aims to find the right treatment and medication for every patient at the best possible time through improved diagnostic methods; the success and side effects of many cardiac, metabolic, and cancer treatments depend on factors individual to the patient. These include the age of the patient as well as genetic predisposition, lifestyle, and environmental influences.
The Center for Personalized Medicine (ZPM) at the University and University Hospitals is dedicated to this area of research. A total of 23 departments, research centers, institutes and clinics are working hard to develop innovative therapies which can be personalized for each patient. Combating cancer is high on the list of researchers' priorities in Tübingen. With over 200 different types of cancer, this requires the close cooperation of specialists from many fields. Their expertise is brought together in the Comprehensive Cancer Center in Tübingen and Stuttgart which is a partner in the German Consortium for Translational Cancer Research (DKTK). This ensures that current research findings are transferred rapidly into clinical treatments. An example is research into immunotherapies against cancer, where the immune system of patients is activated with antibodies so that it can recognize and eliminate tumor cells.

INSIGHTS INTO THE BODY | The chance of diagnosing diseases and finding their causes has grown significantly in recent decades. New clinical imaging methods have been crucial in this process, and the University of Tübingen is among the leaders in this area. At the Werner Siemens Imaging Center, researchers are developing procedures which can show the human body in detail at the molecular level in real time. Non-invasive imaging techniques can identify tumors with greater precision at an earlier stage, improving treatment for patients.

High-throughput technologies have become essential in the diagnosis and control of diseases as well as in the study of biological processes. Genome and proteome analysis are just two of these technologies, which now make a vital contribution to the understanding of basic biological processes. To make sure that as many researchers as possible can make use of these methods, the University has established the Quantitative Biology Center (QBIC). This core facility offers a complete range of high-throughput methods including bioinformatic analysis and has a pivotal function in ensuring that the University remains at the forefront of international research.

2

RESEARCH

LEARNING FROM PLANTS

RESPONSIBILITY FOR WATER AND ENVIRONMENT

SPACE AS A LABORATORY

/ Plant research at the University of Tübingen provides insights into basic processes in living organisms.

LEARNING FROM PLANTS | Studying cells is key to understanding the developmental processes and changes of living organisms. In this area, the Interfaculty Institute for Cell Biology in Tübingen brings in many other disciplines, for example biochemistry. Plant research is an excellent way to investigate basic processes such as signal processing in cells and the transformation of genetic and epigenetic information. At the University of Tübingen, plant research is focused within the Center for Plant Molecular Biology (ZMBP) and in collaboration with the Max Planck Institute for Developmental Biology. In interdisciplinary projects 16 independent research groups are investigating which complex processes determine the development of plants and how they interact with their environment. Scientists from the two institutions share information and methodology as well as sharing existing infrastructure efficiently. The findings of their basic research can then ultimately benefit a whole range of disciplines, from biomedicine and bioeconomy to agricultural science.

RESPONSIBILITY FOR WATER AND ENVIRONMENT | Understanding natural resources is an essential factor in the welfare and development of modern societies. Tübingen's research into environmental systems and material cycles contributes to increasing key knowledge in this area. Many researchers at the University of Tübingen are working in a dynamic network of disciplines and with partners such as the Helmholtz Association and the Fraunhofer Society. An important research area in Tübingen aims at gaining a better understanding of the water cycle and the natural and anthropogenic microelements it contains to help protect vital water resources. Our researchers are working in international teams using mathematical and other models to simulate how changes in climate and land use affect water quantity and quality. Tübingen scientists are also active in emerging research fields. Although it is common knowledge that tectonic events such as the movement of continental plates lead to the forming of mountain ranges, while climate factors such as frost, wind and rain contribute to their erosion, little research has been done into the interaction between geology, climate and biological processes. Together with the German Research Center for Geosciences in Potsdam, researchers at the University of Tübingen plan to change this. The facilities for Earth Sciences and Environmental Research at the University of Tübingen are also set to undergo significant development. The Environmental and Geoscience Center (GUZ), which will provide state-of-the-art infrastructure, is soon to open at the University's Morgenstelle Campus. The GUZ will provide space for researchers at the University to work with researchers from the Helmholtz Association. The aim of the new building is to promote interaction between researchers of different disciplines and to facilitate the sharing of laboratories and major instrumentation.

SPACE AS A LABORATORY | Research beyond our planet includes studying everything from the smallest building blocks of the universe – neutrinos – to the entire cosmos. Interdisciplinary teams of researchers at Tübingen's Kepler Center for Astro and Particle Physics are investigating areas such as the evolution of planets, black holes and neutron stars. The universe is their laboratory for the study of elementary particles and extreme physical states. Together with respected partners from around the world such as the space agencies ESA, NASA and ROSKOSMOS, the scientists are attempting to unravel the mysteries of creation.

Collective quantum phenomena is another research area in Tübingen which is part of a strong international network. Here work is underway to create new quantum states needed for quantum computers and highly sensitive measuring systems and sensors.

2

RESEARCH

RECONSTRUCTING THE EARLY PATHS OF HUMANITY

RESPONSIBILITY FOR LIVING TOGETHER – HUMANITIES IN TÜBINGEN

RECONSTRUCTING THE EARLY PATHS OF HUMANITY | The interdisciplinary orientation of the Humanities at the University of Tübingen has created a beacon of research with an international reputation in the field of scientific archaeology. At the Senckenberg Center for Human Evolution and Paleoenvironment (HEP) researchers are using the latest scientific methods to investigate the most fascinating questions of human evolution. These world leading specialists at the University of Tübingen are studying the origins, development, and migration of anatomically modern humans before the first civilizations. In a unique interdisciplinary association, they are closing the research gap in human development from 100,000 until 3000 years ago – with colleagues from paleoanthropology, archaeology, genetics and linguistics. Together they benefit from outstanding collections and cutting-edge technology in the HEP laboratories.

RESPONSIBILITY FOR LIVING TOGETHER – HUMANITIES IN TÜBINGEN | The world is rapidly becoming a smaller place; technology now brings conflicts and developments around the globe into our homes, often as they happen. The Humanities in Tübingen are developing new strategies for dealing with this process. An excellent research network with an outstanding international reputation and a unique profile has been established in Tübingen by the Hector Research Institute of Education Sciences, the Psychology Department, and the Leibniz ScienceCampus. They actively promote exchange between disciplines such as education science, psychology and computer science with the objective of understanding teaching, learning, educational processes and the impact of digital technology in the area of lifelong learning.

The Graduate School on Learning, Educational Achievement, and Life Course Development (LEAD) also places great emphasis on practical relevance by answering the questions of educators. Its researchers aim to develop an efficient education system which focuses even more on individual skills.

East Asian Studies researchers in Tübingen are part of an exemplary international collaboration in Europe via research and cultural exchange with China, Korea, Japan and Taiwan. The strong network based at the University of Tübingen is represented by branch institutes in Kyoto, Beijing and Seoul.

Tübingen's Center of Islamic Theology (ZITh) was the first of its kind allowing Islamic religious teachers to be trained in Germany, in recognition of the importance of Muslims living in German society. In addition, the ZITh is working closely with the Faculty of Protestant Theology and Faculty of Catholic Theology. From the start – and now more than ever – Tübingen theologians have examined how the relationships of religious individuals with God, the world and others change when encountering different cultures and religions, marking their contribution to intercultural and international understanding.

CORE RESEARCH AREAS IN TÜBINGEN

- Integrative Neuroscience
- Microbiology and Infection Research
- Molecular Biology
- Translational Immunology and Cancer Research
- Astrophysics and Particle Physics
- Earth and Environmental Research
- Archaeology and Anthropology
- Language and Cognition
- Media and Education
- Asian and Oriental Studies

RESEARCH TRANSCENDS BORDERS

RESEARCH NETWORKS – WORLDWIDE

Overcoming national borders is no longer a major hurdle in today's world. We can move easily from A to B and connect with people around the globe via the Internet. At the University of Tübingen, we go one step further.

We look for partners worldwide who share our outlook on teaching and research. We invite the finest minds to join us in pushing back the boundaries of knowledge. Together with our international partners, we are developing new ideas and finding solutions to issues which concern researchers everywhere. This global network is geared to enrich research and teaching in Tübingen. Our network brings together the best of the world's many cultures and schools of thought – and opens up new horizons.

3

INTERNATIONALIZATION

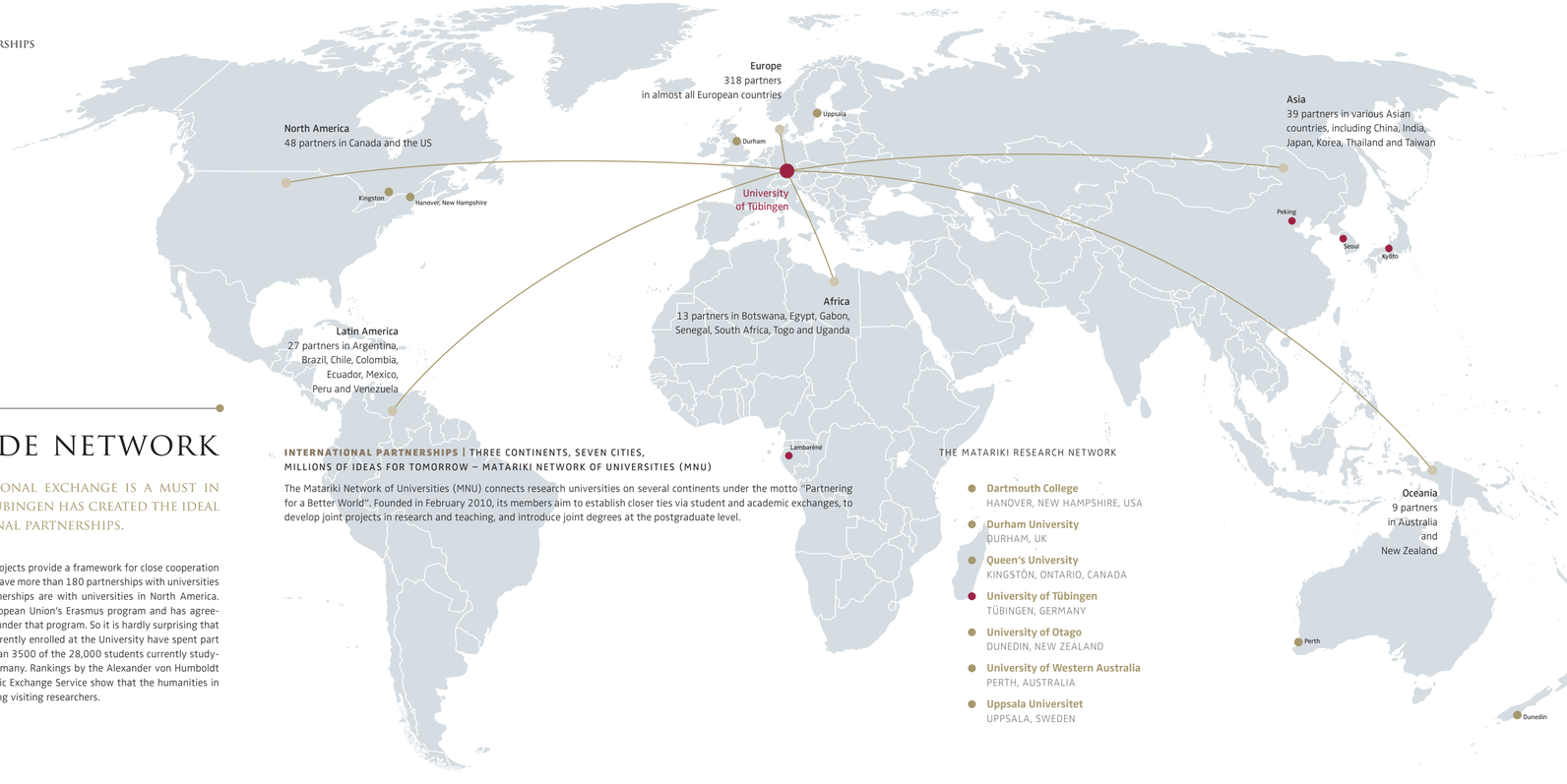
THE BEST MINDS FROM AROUND THE WORLD – INTERNATIONALIZATION IN RESEARCH

INTERNATIONALIZATION IN TEACHING

THE BEST MINDS FROM AROUND THE WORLD – INTERNATIONALIZATION IN RESEARCH | We aim to attract research talent from around the world. We have created a fund for top appointments – allowing us to offer incentives in the form of equipment and facilities so as to gain outstanding academics for research and teaching in Tübingen. Our Distinguished Guest Professorship program also reinforces our international research collaborations. The program facilitates exchange with researchers from selected partner universities and creates a research environment at the University of Tübingen within top international research networks. The Teach@Tübingen program is part of the Tübingen internationalization strategy aimed at expanding the number of programs taught in English. Advanced PhD candidates and postdoctoral researchers from international partner universities come to Tübingen for one or two semesters and teach their subject in English.

It is important to us that our guests feel welcome. Staff at the Welcome Center assist visiting researchers at the University and address any concerns they may have during their stay. From finding accommodation to organizing language courses, we offer support and advice to make sure our guests leave with only the best memories of their visit.

INTERNATIONALIZATION IN TEACHING | Internationally-oriented degree programs are an important focus in teaching, especially at the Master's and doctoral degree levels. From neuroscience and applied environmental science to international economics – a number of programs can now be studied in English. Through a number of dual degree programs, students can acquire degrees taught in different languages in Tübingen and at an international partner university. For international students or prospective students who want to get to know Tübingen and the University there are various short-term programs. One of these is International and European Studies with courses in politics, economy, society, history, law, culture, and German as a foreign language.



INTERNATIONAL PARTNERSHIPS

WORLDWIDE NETWORK

FROM ASTRONOMY TO ECONOMICS, INTERNATIONAL EXCHANGE IS A MUST IN RESEARCH AND TEACHING. THE UNIVERSITY OF TÜBINGEN HAS CREATED THE IDEAL ENVIRONMENT FOR A NETWORK OF INTERNATIONAL PARTNERSHIPS.

Cooperation agreements and joint projects provide a framework for close cooperation with partners around the world. We have more than 180 partnerships with universities in 26 countries. Fifty of these partnerships are with universities in North America. Tübingen is also involved in the European Union's Erasmus program and has agreements with around 300 universities under that program. So it is hardly surprising that some 43 percent of the students currently enrolled at the University have spent part of their studies abroad. And more than 3500 of the 28,000 students currently studying in Tübingen are from outside Germany. Rankings by the Alexander von Humboldt Foundation and the German Academic Exchange Service show that the humanities in Tübingen are especially popular among visiting researchers.

INTERNATIONAL PARTNERSHIPS | THREE CONTINENTS, SEVEN CITIES, MILLIONS OF IDEAS FOR TOMORROW – MATARIKI NETWORK OF UNIVERSITIES (MNU)

The Matariki Network of Universities (MNU) connects research universities on several continents under the motto "Partnering for a Better World". Founded in February 2010, its members aim to establish closer ties via student and academic exchanges, to develop joint projects in research and teaching, and introduce joint degrees at the postgraduate level.

THE MATARIKI RESEARCH NETWORK

- **Dartmouth College**
  HANOVER, NEW HAMPSHIRE, USA
- **Durham University**
  DURHAM, UK
- **Queen's University**
  KINGSTON, ONTARIO, CANADA
- **University of Tübingen**
  TÜBINGEN, GERMANY
- **University of Otago**
  DUNEDIN, NEW ZEALAND
- **University of Western Australia**
  PERTH, AUSTRALIA
- **Uppsala Universitet**
  UPPSALA, SWEDEN

INTERNATIONAL BRANCHES OF THE UNIVERSITY OF TÜBINGEN

INTERNATIONAL BRANCHES OF THE UNIVERSITY OF TÜBINGEN | As part of the expansion of East Asian Studies, the University of Tübingen has established three branch locations in Japan, China and Korea since 1990. These are primarily concerned with creating opportunities for Tübingen students in their studies of specific regions and are rapidly becoming a basis for broader research and study exchanges with each of the regions. In research, the three branch locations are increasingly connected with local universities through joint conferences and projects. Another important partner is located in Gabon on the west coast of Africa. For many years, the University of Tübingen has had close ties with the Albert Schweitzer Hospital in Lambaréné and CERMEL, an associated medical research center.

- **EUROPEAN CENTER FOR CHINESE STUDIES AT PEKING UNIVERSITY (ECCS)**
  The European Center for Chinese Studies at Peking University (ECCS) was established in 2001 by the universities of Tübingen and Copenhagen in collaboration with the Department of Chinese Language and Literature at Peking University. All Tübingen undergraduate students majoring in Chinese Studies spend one or two semesters at the ECCS as part of their standard degree. This gives them greater in-depth knowledge of the language and regional studies. There are also close contacts with the History Department of Peking University and the Sino-German Center for Research Promotion.
- **TÜBINGEN CENTER FOR KOREAN STUDIES AT KOREA UNIVERSITY (TUCKU)**
  The Tübingen Center for Korean Studies at Korea University (TUCKU) was founded in 2012. As part of their undergraduate studies all Tübingen students of Korean studies spend a year in Seoul and enroll in courses at Korea University and other partner universities.
- **TÜBINGEN CENTER FOR JAPANESE STUDIES (TCJS) IN KYÔTO**
  Established in 1993 as the Center for Japanese Language, the Center was renamed the Tübingen Center for Japanese Studies to mark its additional tasks. The TCJS branch in Japan is situated on the campus of Kyôto's famous Dôshisha University. All undergraduate students of Japanese Studies spend a year of their degree program here, however economists with limited language proficiency may also get to know the country, people, culture and economy for one semester. In general, exchange students live with Japanese host families.
- **ALBERT SCHWEITZER HOSPITAL AND CENTRE DE RECHERCHES MÉDICALES DE LAMBARÉNÉ (CERMEL)**
  The hospital, founded in 1913, and the medical research center in Lambaréné have collaborated closely with the Tübingen Institute of Tropical Medicine for many years. With the support of the German Centre for Infection Research (DZIF) and the Gabon government, the University of Tübingen established a Professorship of Immunoepidemiology and Clinical Infectiology at CERMEL in 2016. The partners collaborate very closely in the area of malaria research.

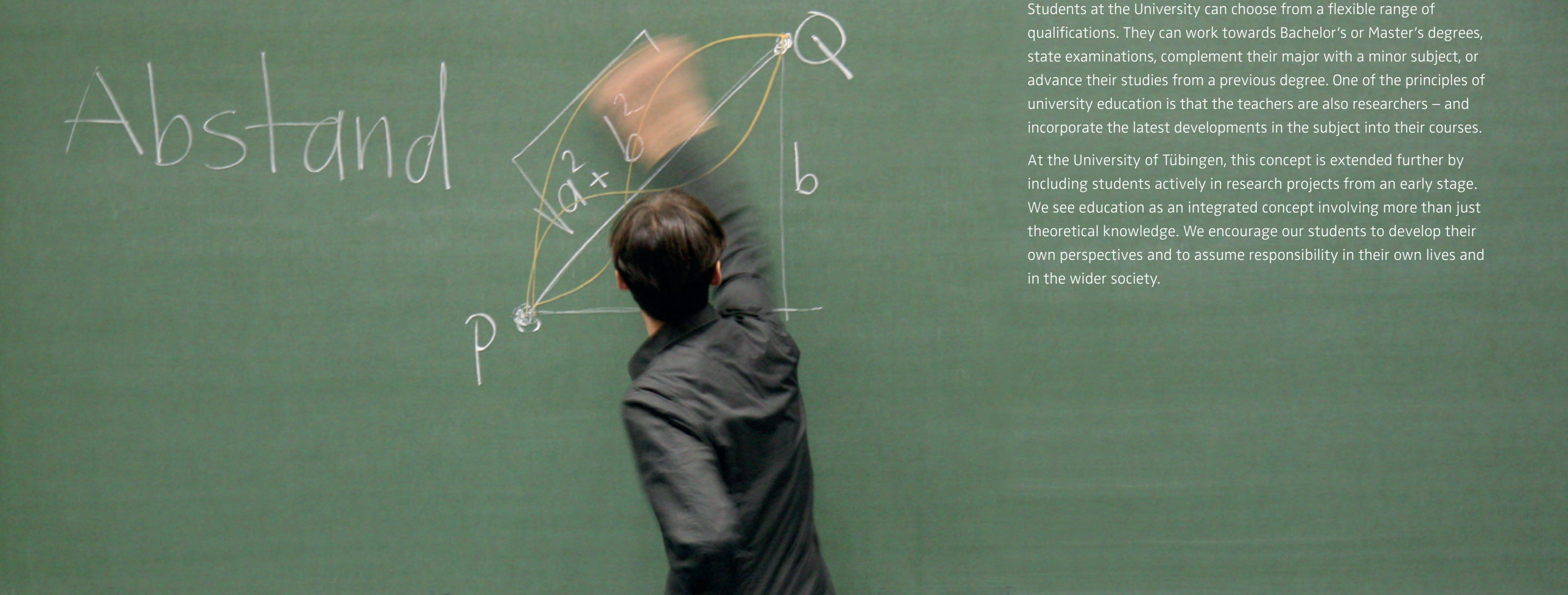
PATHS TO KNOWLEDGE

LEARNING FROM RESEARCH

TÜBINGEN OFFERS MORE THAN 280 DEGREE PROGRAMS IN 130 SUBJECTS, INCORPORATING TOP-LEVEL RESEARCH ACROSS A RANGE OF DISCIPLINES.

Students at the University can choose from a flexible range of qualifications. They can work towards Bachelor's or Master's degrees, state examinations, complement their major with a minor subject, or advance their studies from a previous degree. One of the principles of university education is that the teachers are also researchers – and incorporate the latest developments in the subject into their courses.

At the University of Tübingen, this concept is extended further by including students actively in research projects from an early stage. We see education as an integrated concept involving more than just theoretical knowledge. We encourage our students to develop their own perspectives and to assume responsibility in their own lives and in the wider society.



4

PATHS TO KNOWLEDGE

INNOVATIVE WAYS TO STUDY | Understanding why things happen, questioning knowledge, gaining new insights – studying at the University of Tübingen is demanding but also full of opportunities. Our students demonstrate motivation, critical thinking and strong social commitment. They are part of a centuries-long tradition which has seen distinguished scientists, politicians, business leaders, and artists graduate from the University of Tübingen.

Where research fields are linked to economic and social development, the University of Tübingen has a special responsibility. New, often interdisciplinary courses, such as medical technology, molecular medicine, nanoscience, media informatics, and geoecology, all have a strong practical orientation which helps to form future leaders in these fields.

Internationally-oriented degree programs at the University of Tübingen aim to prepare students for future roles anywhere in the world. These include programs in neuroscience and behavioral science, applied environmental and earth sciences, computer linguistics, and international economics and finance. Multilingual degrees taught in Tübingen and at a university in another country are also possible, providing a solid foundation for an international career.

Nationally and internationally, a growing number of young people are opting to study at university. At the same time digitalization is increasingly transforming many aspects of our lives – including university teaching. The University of Tübingen explores these challenges and uses new forms of teaching and learning in the program "Study Successfully in Tübingen" (ESIT), which is financed by Germany's Ministry of Education and Research. Lecturers at the University have developed and successfully put numerous innovative teaching methods into practice as part of this program in recent years. For basic courses in biology, chemistry and physics, electronic voting systems have been introduced to give lecturers the opportunity to see whether students have understood the contents of the lecture. This approach is accompanied by preparatory courses, guidance and coaching, and private study strategies to encourage students to take responsibility for their own learning.

ALWAYS WELL-ADVISED | We support our students not only with quality teaching; we also have comprehensive services to help students – be it with enrollment procedures, examinations advice, academic writing or in other areas new to most students. We offer a host of qualified contacts from the Student Counseling Service, Academic Advisory Service, Career Service, Writing Center, and the Family Office. No question must remain unanswered, even when it comes to personal challenges or concerns.

Besides final examinations, starting out in the professional world can pose entirely new challenges for students. The Career Service can help; our information services and the job portal are important resources for finding answers and the right career. On the internship and Master's board, students can also find a wide range of professional internships with companies and research institutes regionally, across Germany and internationally. Individual coaching helps students to find the right career and develop individual profiles. Moreover, in the Studium Professionale program, students have the opportunity to acquire a qualification in professional skills, which is useful for both personal and career development.

5

KNOWLEDGE TRANSFER

FOCUSING ON APPLICATIONS

CONNECTED WITH INDUSTRY AND SOCIETY.

At the University of Tübingen, we think hard about the future. We create connections to ensure that ideas from our laboratories and seminar rooms arrive where they bring the greatest benefit in practice.

The direct contact our researchers and students have with the economy and society makes for an intensive and productive exchange – and a series of extraordinary success stories that demonstrate the high degree of visionary thinking in research at Tübingen.

Real innovation happens when we ignore the limits of what is supposedly possible, and think and investigate creatively. We provide this freedom but we also act as guardians to ensure good ideas are not lost at the theory stage. Together with our partners, we are focused on translating academic expertise into successful practical applications.

5

KNOWLEDGE TRANSFER

USING EXPERTISE SUCCESSFULLY

USING EXPERTISE SUCCESSFULLY | The transfer of technology and other knowledge is an essential task for universities around the world. The German government's Excellence Initiative has provided the means for the University of Tübingen to go even further. With our partners from industry, we have brought together research teams that are working on scientific problems at the University. "Industry on Campus" is our concept for accelerating the transfer of findings in basic research to applications in industry. We have also recognized that commercial researchers also bring with them new ideas and approaches. This is mutually beneficial process, leading to new discoveries in basic research and the opportunity for developing visionary products.

NMI – A BRIDGE BETWEEN SCIENCE AND INDUSTRY

NMI – A BRIDGE BETWEEN SCIENCE AND INDUSTRY | One important link between business and science, industry and research is the Natural and Medical Sciences Institute (NMI) at the University of Tübingen. An interdisciplinary team of scientists is working at NMI in research areas that link biotechnology and materials science research. Their common goal is to make scientific discoveries available and accessible to industry and transfer research findings from the laboratories of the University into actual products and services. NMI does basic research, but also works on applied solutions in the fields of pharmaceuticals and biotechnology, biomedical engineering, and surface and interface technology. The Institute has access to excellent networks and works closely with its partners in research, industry and politics. Not only the many awards and accolades that scientists at NMI have won in recent years but also the large number of spin-off companies underpin its outstanding success.

5

KNOWLEDGE TRANSFER

BASIC RESEARCH AT THE UNIVERSITY OF TÜBINGEN LEADS TO NEW IDEAS, METHODS AND TECHNOLOGIES WHICH OFTEN MOVE ON TO COMMERCIAL SUCCESS.

FROM TÜBINGEN TO INTERNATIONAL MARKETS

Excellent research in Tübingen has repeatedly spawned ideas, methods and technologies which have led to successful start-ups in recent years. The University actively supports these companies wherever possible. A number of successful companies, particularly in the life sciences and in computer science, started life at the University.

These include CureVac and immatics, which develop vaccines to combat various types of cancer. immatics has developed a vaccine that uses several peptides typically found in tumors to stimulate the patient's immune system, attacking cancer at the source. CureVac is working on tumor vaccines and medications based on mRNA molecules. This promising technology, which uses sensitive biomolecules, has gained the support of the Bill & Melinda Gates Foundation with an investment in the tens of millions. Synimmune is another company based in Tübingen which has joined the fight against cancer. The company is engineering novel, optimized antibodies in an attempt to activate the immune system against leukemia cells, for example. Changes in the genome can trigger serious diseases. To identify these, the Tübingen-based company CeGaT provides healthcare analysis and sequencing services, especially for university hospitals around the world. Cutting-edge technology means that all genes known for a particular disease can be sequenced in parallel. The company specializes in rare diseases and is often the only institute capable of offering diagnostics in specific cases. CeGaT has received numerous awards in recent years, including the Deutscher Gründerpreis.

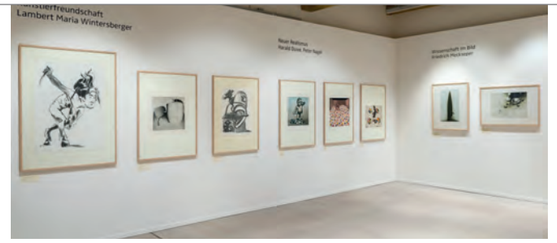
The bioinformatics company Computonics is another typical spin-off. Increasing requests for DNA analysis of plants inspired the company's founders – professors and graduate students of the University of Tübingen and the Tübingen Max Planck Institutes – toward their business idea. Computonics analyzes the genes of crops such as corn, wheat and melons for seed companies and plant breeders around the world.

SySS GmbH is a university spin-off which has been successfully established in the IT sector. Director Sebastian Schreiber started the IT company while studying computer science, mathematics, physics and economics in Tübingen. SySS specializes in protecting organizations against hacker attacks and data theft. In matters of IT security, experts at SySS GmbH advise numerous customers from industry and finance, but also the German police and military.

MORE THAN KNOWLEDGE

Art, culture, sport, music – life in Tübingen is much more than studies.

WHEN WORK IN THE LABORATORY AND THE LECTURE HALL IS OVER, STUDENTS AND UNIVERSITY EMPLOYEES CAN CHOOSE FROM A WIDE VARIETY OF CULTURAL, SPORT, AND LEISURE PURSUITS. CONCERTS, EXHIBITIONS, PUBLIC LECTURES – THE UNIVERSITY THRIVES WITH ACTIVITY EVEN AFTER WORKING HOURS.



UNIVERSITY OF TÜBINGEN MUSEUM (MUT) | MUT manages all 60 collections of the University. Over 4600 exhibits are presented over 2000 square meters at the museum in Hohentübingen Castle. This includes objects from the collections of Prehistory and Early History, Classical Archaeology, Numismatics, Egyptology, Ancient Near Eastern Studies, and Ethnology. Among the most impressive are mankind's oldest works of art – 40,000 year old ivory figurines found by Tübingen archaeologists in caves of the Swabian Jura. Beyond Hohentübingen Castle, visitors can also experience the richness of the other museum locations where the University has made its treasures available to the public. Outstanding examples are the University's collection of musical instruments and the paleontological, mineralogical, graphical and zoological collections.

SPORT | From Aikido and American football to Yoga and Zumba – anyone looking for a healthy balance to university life is in the right place at the University Sports Center. Whether Capoeira or ballet, kite flying or skiing – there are courses for all kinds of interests. The sports facilities include tennis courts and a weight training and fitness hall with a climbing wall.

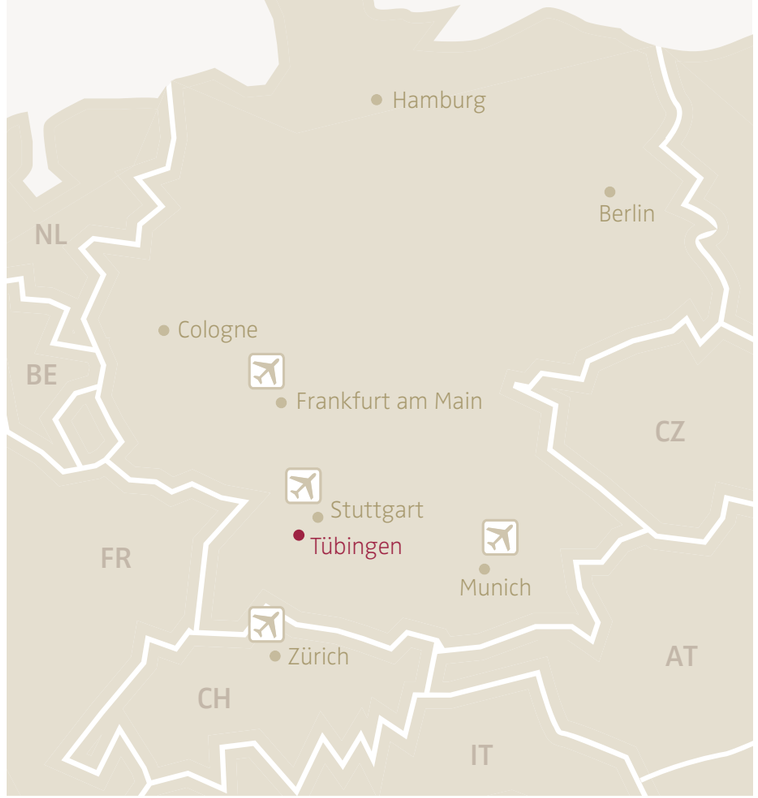
MUSIC | Collegium Musicum, the University music society, offers students from all faculties a comprehensive program for musical practice. The Akademische Orchester, Akademische Chor and the Camerata Vocalis chamber choir are all part of the society. All ensembles perform regularly in Tübingen and go on concert tours. The concert program hosted in the Neue Aula ballroom is complemented by regular guest performances from internationally renowned artists, invited by the University Kulturreferat.

BOTANICAL GARDENS | Visitors to the University's Botanical Gardens in the north of Tübingen can discover a unique variety of plants, their habitats and ecological adaptations in an inspiring green space which covers ten hectares. From the Alpine region and North American prairies to tropical rainforests, the Botanical Garden embraces a diversity of habitats and their species. The medicinal garden and vineyard exhibit local crops and plants of pharmaceutical interest.

The Tropicarium houses tropical crops and many other plants from warm climates. Visitors can also explore the world of succulents, or learn about the flora of the Canary Islands and subtropical regions in the other greenhouses. The Arboretum features more than 1000 tree species and also offers a wonderful view of Tübingen and the Swabian Jura hills.

LECTURES AND TALKS | Tübingen researchers share their knowledge. To provide an insight into current research topics for as many people as possible, the Studium Generale was established more than 50 years ago in Tübingen. Within the program, researchers give free evening lectures for the public during the semester.

The poetry lectureship has become a permanent feature of the literary landscape in Germany. Every year in November, the Institute of German Language and Literature, the Würth Foundation and Adolf Würth GmbH & Co. KG invite prominent authors to give lectures and poetry readings in Tübingen. The media lectureship is also held in high regard by the public. Each spring, a prominent journalist is invited to give a guest lecture at the University by the Institute of Media Studies and the Südwestrundfunk broadcasting network.



ORIENTATION

TÜBINGEN IS LOCATED ...

... in the middle of Baden-Württemberg
... in the southwest of Germany
... in the center of Europe

YOU CAN GET HERE ...

... by car, bus, train or plane. International guests can arrive conveniently via Stuttgart Airport, which is a 20-minute drive away from Tübingen. A bus service connects the University with the airport.

TÜBINGEN OFFERS ...

... a high quality of life. Not only from its location on the Neckar river, the historical old town with many cafes, restaurants and shops is also close to nature reserves and parks. The Black Forest and Swabian Jura are not far away and offer opportunities for climbing, canoeing, hiking, mountain biking and skiing in winter.

TÜBINGEN IS PARTICULARLY ...

... welcoming with a cosmopolitan atmosphere where international guests will quickly feel at home. It is a safe city, where people of all ages can move freely without feeling threatened. With its many students and young families, Tübingen has the lowest average age in Germany.

Want to know more? These addresses can give you detailed information for ...

International guest researchers
Welcome Center · Wilhelmstraße 9 · 72074 Tübingen, Germany
Phone: +49 (0) 7071 29-78040 · welcomecenter@uni-tuebingen.de
www.uni-tuebingen.de/en/9263

German students
Student Administration · Wilhelmstraße 11 · 72074 Tübingen, Germany
Phone: +49 (0) 7071 29-74444 · studentensekretariat@verwaltung.uni-tuebingen.de
www.uni-tuebingen.de/de/596

International students
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