



University of  
Zurich<sup>UZH</sup>

# The University of Zurich

# Scholarship Made in Zurich

In the world of scholarship, there is no such thing as the ultimate answer. Scholarship never takes results for granted, is always opening new doors, asking new questions, exploring new ideas, and presenting new solutions.

And scholarship is at its best, most vital, where different ways of looking at the world intersect. The University of Zurich is such a place. As Switzerland's largest, most diverse university, UZH attracts the world's best researchers and most promising students. I am proud of the excellence our researchers and instructors demonstrate on a daily basis, of our students' curiosity, and of the commitment of our staff. All make the University of Zurich the inspiring place of innovation it is.

The following pages will give you an initial impression of why our University is so exceptional. Welcome to the fascinating world of scholarship. Welcome to UZH!



Michael O. Hengartner, President



# Contents

## 1 Inspiring Perspectives

Switzerland's largest university at a glance



Open doors for researchers and students from throughout the world

## 3 Raising the Bar in Global Innovation

Cutting-edge research at UZH



Discoveries in the nano range at the Department of Physics

## 5 In the Service of Health

Working together to advance medical



A lab at the Institute of Medical Virology

## 2 Honoring Tradition

Building on a proud history



Impressive backdrop, chivalrous rivalry: Traditional regatta between UZH and ETH

## 4 Fostering Intellectual Curiosity

A first-rate academic education



A class held at the Archaeological Collection



The Law Library

## 6 A Positive Force in Politics, Economy, and Society

Knowledge transfer and partnerships



Research and development under a single roof: Balgrist Campus, a center for musculoskeletal medicine



Innovation: The "Lokomat" for functional robotic gait therapy, developed by a UZH spin-off

## 8 Knowledge Sharing

Outreach at UZH



The University's Botanical Garden

## 9 A Dynamic Metropolis

And a great place to live



The city with the Alps in view – and "Sechseläuten Platz"



## 7 Favorite Places

Historical charm, modern convenience



The Rechberg villa's Baroque garden near City Campus



Close to town and close to nature: Irchel Campus



The park at Irchel Campus

## 10 Local Roots, International Outlook

Ties to the region – and around the globe



At the heart of urban life: UZH in the city lights



UNIVERSITÄT ZÜRICH  
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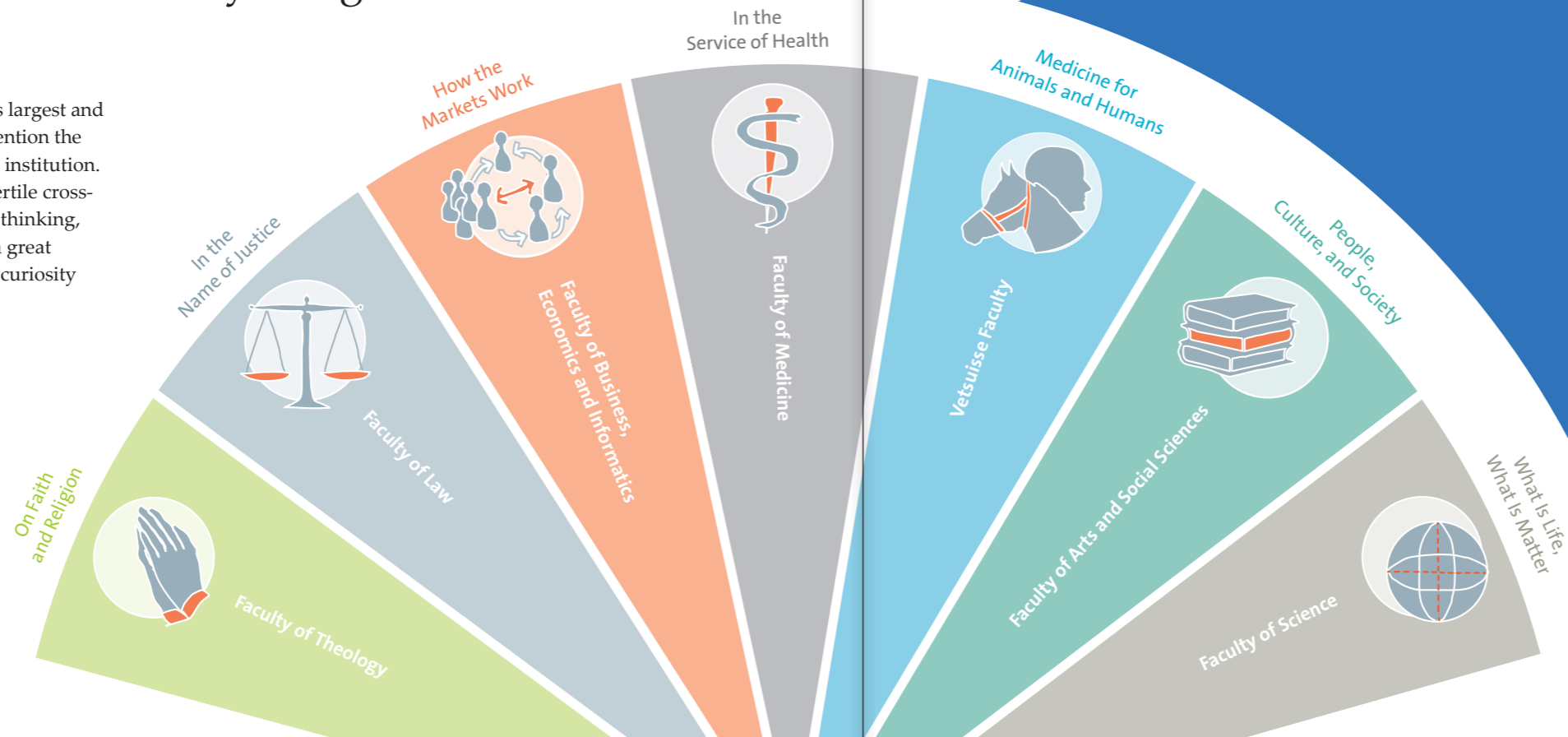
UNIVERSITÄT ZÜRICH

Welcome to UZH: The entrance to the main building.

# Inspiring Perspectives

## Switzerland's largest university at a glance

The University of Zurich is Switzerland's largest and best comprehensive university, not to mention the country's most diverse higher education institution. And therein lies its strength: UZH is a fertile crossroads of different perspectives, ways of thinking, and scholarly traditions – and home to a great wealth of knowledge and experience, of curiosity and creativity.



### The University of Zurich offers

- Cutting-edge research at seven faculties and over 150 institutes
- The widest spectrum of Bachelor's and Master's degree programs in Switzerland as well as outstanding PhD programs
- Specialized and double degree Master's programs
- Numerous mobility and exchange programs
- Over 100 academic continuing education degree programs and courses

### The University of Zurich numbers

- 25 500 students, 5 000 from abroad
- 650 professors and 5 500 other researchers and instructors
- 8 800 employees total



Traditional regatta between UZH and ETH Zurich.

# Honoring Tradition

## Building on a proud history



1833  
1914

### A Democratic Milestone

1833: The University of Zurich opens its doors. UZH is the first university in Europe to be founded by a democratic state – and not by a monarchy or the church. 1914: The imposing main building with its landmark tower is inaugurated (image).



1866

### European Avant-Garde

The University of Zurich is, after the Sorbonne in Paris, the second European university to admit women to studies. Nadezhda Suslova from Russia is the first female student.



1946

### Churchill's Great Speech

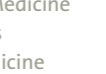
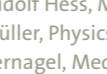
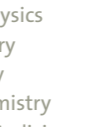
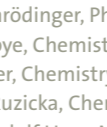
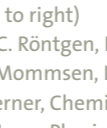
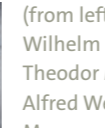
Winston Churchill holds his famous speech at UZH – calling young academics to action with the ringing words: "Let Europe arise!"

### In League with the Best Universities

In recognition of its standing as a leading research university in Europe, the University of Zurich becomes a member of the renowned League of European Research Universities (LERU).

2006

12

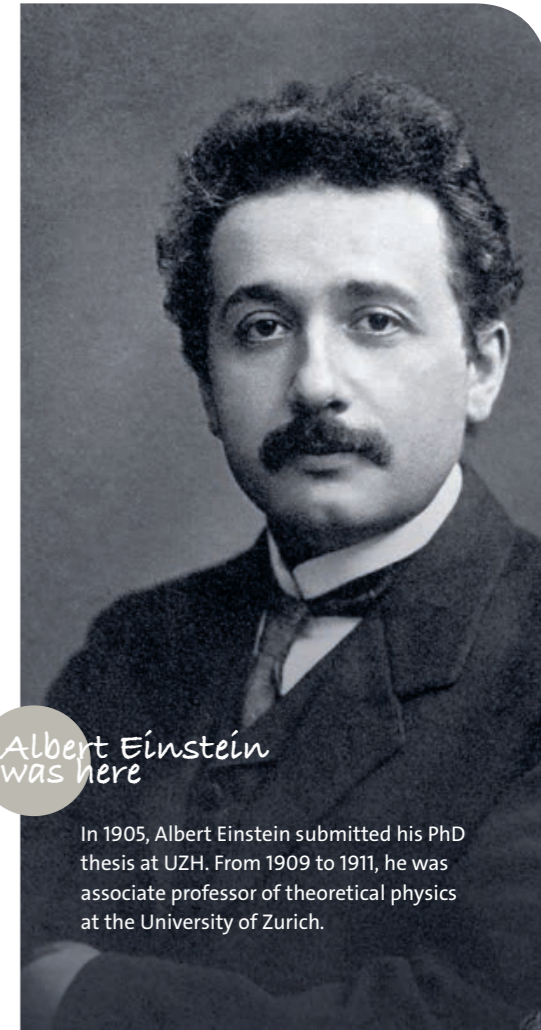


Scholarship thrives in Zurich's open-minded environment. And it has a long history of doing so. Since its foundation, the University of Zurich has attracted pioneers from the world of research – from Switzerland and abroad. To date, no less than twelve Nobel Prize laureates have taught and conducted research at UZH.

(from left to right)  
 Wilhelm C. Röntgen, Physics  
 Theodor Mommsen, Literature  
 Alfred Werner, Chemistry  
 Max von Laue, Physics  
 Erwin Schrödinger, Physics  
 Peter Debye, Chemistry  
 Paul Karrer, Chemistry  
 Leopold Ruzicka, Chemistry  
 Walter Rudolf Hess, Medicine  
 K. Alex Müller, Physics  
 Rolf Zinkernagel, Medicine

Albert Einstein  
was here

In 1905, Albert Einstein submitted his PhD thesis at UZH. From 1909 to 1911, he was associate professor of theoretical physics at the University of Zurich.





Conducting research at the Department of Physics.



# Raising the Bar in Global Innovation

## Cutting-edge research at UZH

Space to contemplate, to reflect, to question, to experiment

Imagination and daring, patience and determination are vital to making inroads in scholarship. But researchers, teachers, and students also need space: Space to contemplate and reflect, to question and experiment. The University of Zurich offers this space along with state-of-the-art infrastructure. As a research institution, the University of Zurich sets the tone – worldwide.

- **UZH operates** modern technology platforms; highly qualified employees ensure the efficient realization of research projects.
- **UZH collaborates** with numerous renowned research institutions worldwide. The University works closely with ETH Zurich and is a member of the prestigious League of European Research Universities.
- **UZH promotes** free access to research data and scholarly publications, at no cost – a pioneer in Open-Access.

### Illuminating Scholarship: Highlights

The University of Zurich has made its mark in global competition. UZH attracts the brightest minds, and its outstanding research priority programs and centers of competence enhance the University's visibility. Overall, UZH occupies a leading position among European research institutions and, in several disciplines, it numbers among the world's best. Examples of fields where UZH shines:

Medicine

Genetics

Financial Market Research

Linguistics

Veterinary Medicine

Digital Sciences

Structural Biology

Behavioral Economics

### Among the Best in the World

UZH's reputation as one of the world's foremost research universities is mirrored in international rankings. In the 2015 Shanghai Rankings, UZH placed 54th in the world and 9th in continental Europe. In the life sciences, the University of Zurich is number one in continental Europe, 3rd in medicine, and 6th in business and economics. In the 2016 QS ranking, veterinary medicine placed 25th worldwide.



Holding class at the Archaeological Collection.



# Fostering Intellectual Curiosity

## A first-rate academic education

### Today's students – tomorrow's innovators

Studying at UZH means gaining first-hand knowledge. But it also means developing independent and critical thinking skills, welcoming new and unfamiliar ways of looking at the world, and learning how to generate new ideas, test new procedures, and gain fresh insight. As a research university, UZH is committed to inspiring, research-based teaching – and to fostering promising junior scholars.

Students, PhD candidates, and junior researchers find ideal conditions at UZH to achieve their potential.

- The largest and most comprehensive Bachelor's and Master's degree programs in Switzerland, with over 100 different major subjects and flexible program design
- Outstanding libraries and study centers
- State-of-the-art teaching methods
- A welcome center for students and researchers from abroad
- Student advisory and career services
- Attractive PhD programs, Graduate Campus
- In-house research fund to promote talented junior academics
- Teacher-training courses and advisory services for instructors
- In-house teaching fund to foster innovation in teaching



What do national and international regulations in the financial markets achieve?

**Research Focus**  
Financial Market Regulation

How is communication influenced by physical and social spaces?

**Research Focus**  
Language and Space

**Research Focus**  
Dynamics of Healthy Aging

How can quality of life be maintained in old age?

### University Research Priority Programs – creating opportunity for junior academics

Finding answers to the future's big questions – this is the aim of the University Research Priority Programs (a selection presented below). These programs unite top researchers from various disciplines, while offering PhD candidates and postdocs an ideal environment to build networks and to establish themselves in their field.

How do new pathogens emerge?

**Research Focus**  
Evolution in Action:  
From Genomes  
to Ecosystems

Can artificial photosynthesis contribute to solving the world's energy problems?

**Research Focus**  
Social Networks

What are the consequences of the worldwide loss of biodiversity?

**Research Focus**  
Global Change  
and Biodiversity

Why do tumor cells begin to grow uncontrollably?

**Research Focus**  
Translational  
Cancer Research

**Research Focus**  
Solar Light to Chemical  
Energy Conversion

What impact do social networks have on company value and consumer behavior?



# In the Service of Health

## Working together to advance medical care

Zurich is a global leader in the field of medicine. The University of Zurich and its four hospitals work together to provide outstanding education and conduct cutting-edge research. All of which enhances Switzerland's already excellent medical care.

### A Look into the University Heart Center

Cardiovascular sciences look back on a long tradition at UZH and are a major research focus. Other research priorities at the Faculty of Medicine include:

**Movement sciences; infectious diseases and immunology; molecular medicine; neuroscience; oncology; metabolism and caloric balance; and transplantation medicine.**

UZH also promotes a series of clinical research priorities that unite basic biomedical research, applied research, and clinical care.



Research-Based with  
Real-World Applications:  
Studying Medicine at UZH

The University's Hospitals

#### University Hospital Zurich

Forty clinics and departments, highly specialized and at the cutting edge of medical research

#### University Children's Hospital Zurich

The largest children's hospital in Switzerland and a leader in Europe

#### University Hospital of Psychiatry Zurich

Tradition and international renown since 1870

#### Balgrist University Hospital

Leading center of competence for the treatment of musculoskeletal and spinal damage

#### Good Neighbors Generating Unique Opportunities

The close vicinity and the excellent partnership between UZH, ETH Zurich, and the University's Hospitals create unique opportunities – especially as close collaboration between basic biomedical research, engineering sciences, and clinical application is increasingly important in developing new therapies.



balgrist campus

Balgrist Campus: Research and development for musculoskeletal medicine.



Innovative: Robotic gait therapy with the "Lokomat."



# A Positive Force in Politics, Economy, and Society

## Knowledge transfer and partnerships

In the Global Innovation Index, Switzerland has maintained its first-place position for years. Nowhere else in the world is the rate of per-capita inventions so high. And nowhere else are so many inventions put to work in the real world. The most important catalyst is the research hub of Zurich and its capacity to transfer knowledge and technology into practice – thus bringing benefits to all parties involved: The ideas generated at UZH help advance society as a whole. Pioneers such as Biotech, Medtech, or ICT benefit from the wealth of knowledge delivered by UZH. And the University itself reaps advantages from the interesting partnerships that the dynamic environment generates.

### The University of Zurich – Home to Innovation

- inventive** On average, UZH registers a new patent every two weeks.
- in-touch** Every ten days, UZH concludes a licensing agreement with an external company.
- visionary** Every two months, UZH researchers found a spin-off company.
- collaborative** Every day, UZH concludes an average of two new research agreements with partners from industry.

### Three Examples of Knowledge Transfer

#### 1 Youth Development Research

The Jacobs Center for Productive Youth Development approaches research into child and adolescent development from the perspective of psychology, sociology, and economics – leading to practical applications for schools and communities.

#### 2 Interdisciplinary Development Center

The Wyss Translational Center Zurich translates the results of basic research in areas such as robotics or regenerative medicine into practice.

#### 3 Continuing Education

UZH fosters the continual exchange of knowledge between academia and the professional world through its broad range of continuing education courses.

UZH researchers can rely on technology transfer specialist Unitectra when it comes to patent applications, license agreements, or starting a spin-off. UZH students who want to market an idea or found a company can go to Startup@UZH for support.

### Building Bridges

#### Close Proximity – Productive Partnerships

Zurich's innovative prowess is founded in the close proximity of first-rate research and higher education institutions. Highly respected companies, including IBM and Google, have established their research centers close by, and the overall innovative landscape has led to a thriving start-up scene.





Close to town and close to nature: Irchel Campus.

The park at Irchel Campus.



# Favorite Places

## Historical charm, modern convenience

UZH has a privileged location in the middle of Zurich. The University's buildings are well-maintained and technically up to date. Its grounds and gardens offer surprising details and are as diverse as the people who study, work, and conduct research at UZH.

At City Campus, visitors will find an ensemble of carefully renovated historical buildings. By contrast, ultra-modern departmental buildings and labs are in large supply at Irchel Campus, which is nestled between the large-scale natural park and the woods of the Zürichberg.

Space for flights of the imagination:  
The striking atrium "Lichthof" in the main building, a masterpiece by architect Karl Moser.



A moment of calm at the fountain in front of the main building: UZH has a wealth of such charming spots.

Open space, open mind:  
The large-scale campus at Irchel provides space to think outside the box.



Ten cafeterias and the panorama restaurant in the tower of the main building cater to staff and students.





Fruit market at the University's Botanical Garden.

# Knowledge Sharing Outreach at UZH

Observe  
Ask  
Understand  
Ask again

Human beings are inherently curious: There's a researcher hidden in each one of us. And the University of Zurich opens its doors to everyone who wants to learn. UZH researchers and scholars share findings with the general public on a daily basis – for example, in presentations, panel discussions, lecture series, guided tours, or exhibitions – and invite them to get personally involved in research: Citizen science is welcome at UZH.



Scientifica – a crowd pleaser:

The Zurich Research fair, held jointly by UZH and ETH Zurich, takes place in late summer. At the fair, the two universities present the entire spectrum of their research to the general public. Visitors are encouraged to look, touch, and explore.



UZH for all ages:  
The Children's University, the University for Senior Citizens, and the one-of-a-kind Life Science Learning Center.

## Showcasing Research: The University's Museums and Collections.

UZH is committed to preserving natural and cultural heritage; every day, the University of Zurich's fascinating exhibitions attract nearly one thousand visitors.

A selection:

- 1 Ethnographic Museum
- 2 Paleontological Museum
- 3 Archaeological Collection
- 4 Zoological Museum
- 5 Museum of Veterinary History
- 6 Anatomical Collection
- 7 Museum of Wax Moulages
- 8 Anthropological Museum
- 9 Veterinary Anatomy Collection



Several libraries as well as the old and new Botanical Gardens are open to the public.



Zurich: City, lake, and Alps, with the University's tower at the left.



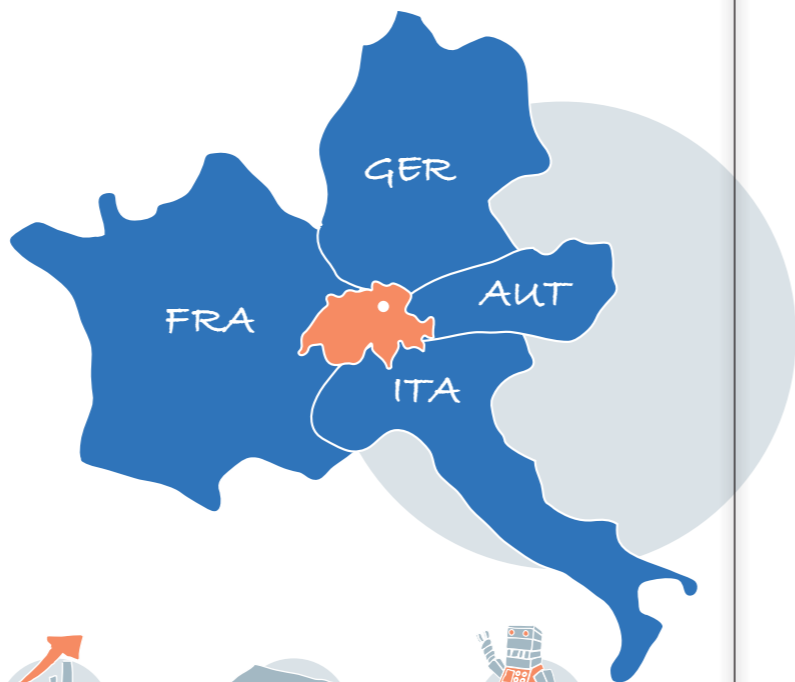


Quality of life: Sechseläuten-Platz and the Zurich Opera House.

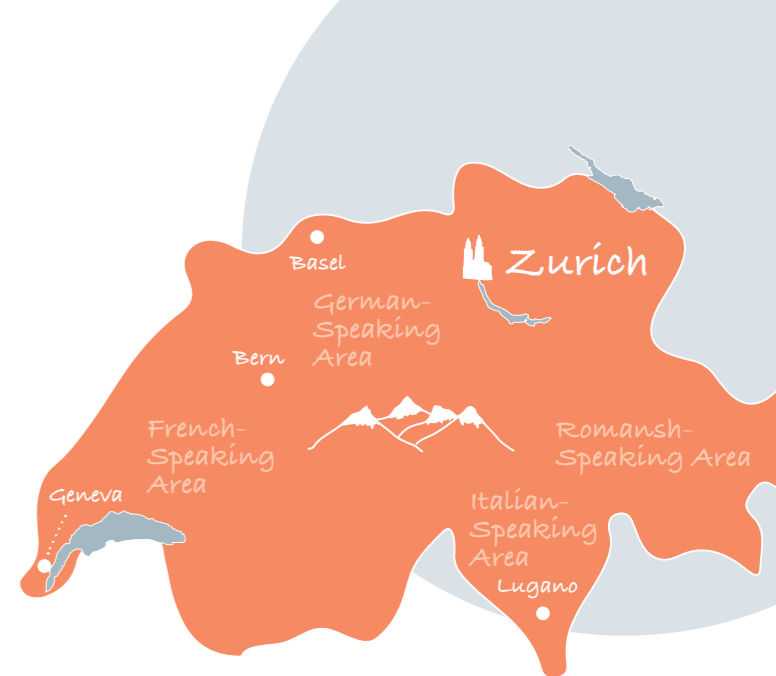
# A Dynamic Metropolis

## And a great place to live

Elegant promenades, a picturesque old town, trendy neighborhoods, first-rate cultural institutions, nature at its doorstep – to name only a few of Zurich’s charms. Twelve reasons why Zurich is one of the world’s most livable cities:



Zurich – Switzerland’s largest city – is optimally located in the heart of Europe, where the German, French, and Italian-speaking worlds intersect. Its role as an international economic and financial hub as well as its reputation as a center for scholarship, technology, and state-of-the-art medicine lend Zurich global significance. With over three million residents in the greater area, Zurich is one of the most innovative and flourishing economic regions in Europe.



International  
flair, open  
atmosphere



Excellent travel  
connections,  
major airport



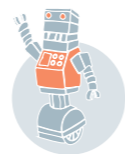
University  
city par  
excellence



Thriving and  
diversified  
economy



Top career  
prospects for  
top candidates



Flourishing  
creative and  
start-up culture



Urban vitality  
in new  
neighborhoods



First-rate  
museums  
and galleries



Outstanding  
theaters and  
concert halls



Lively club  
and party  
scene



Swimming  
in the lake  
and river



R&R in  
the nearby  
Alps



At the heart of urban life: UZH in the city lights.

# Local Roots, International Outlook

## Ties to the region – and around the globe

The University is integral to Zurich's identity and enjoys a long-standing relationship with both the city and canton. But UZH also looks beyond its local ties and maintains partnerships with higher education and research institutions throughout the world.



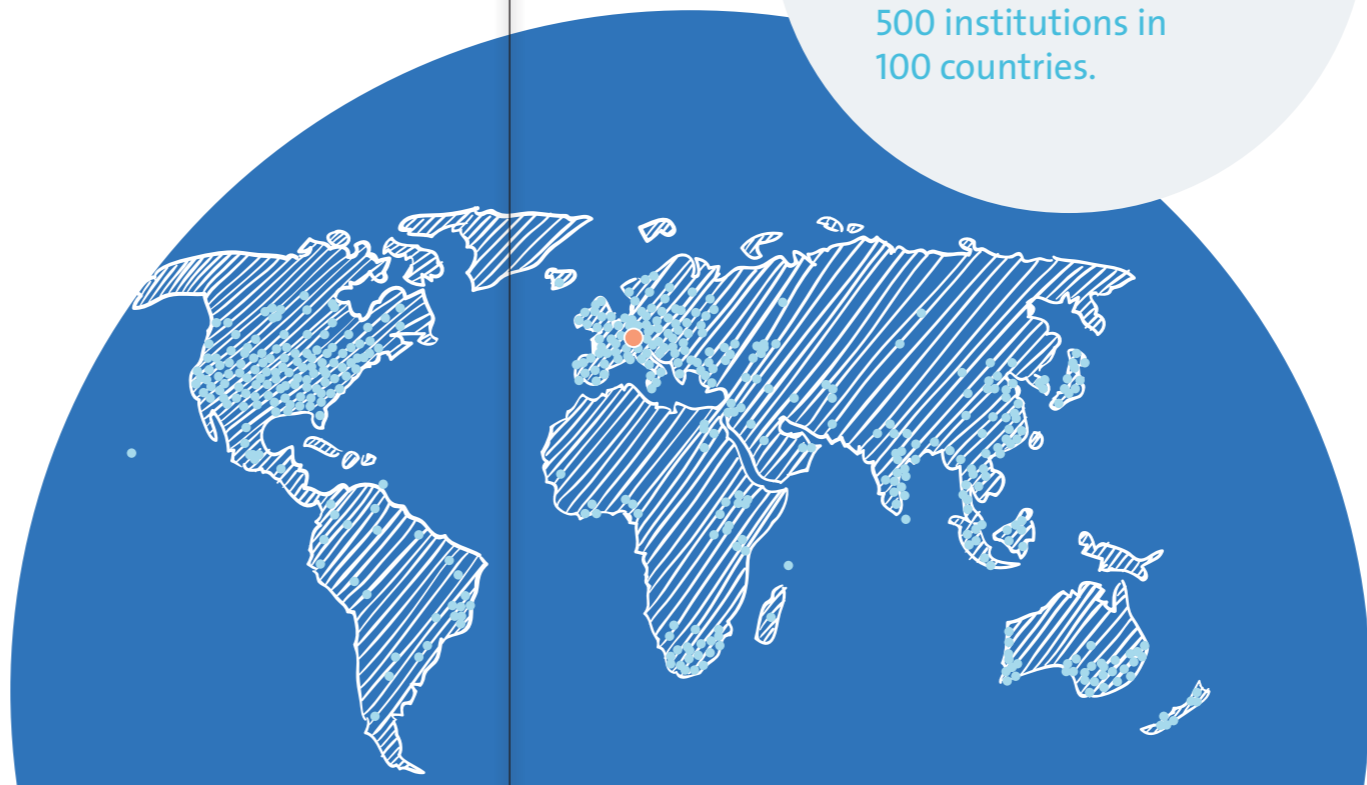
### A City Landmark

Visible from afar, the University's main building is a key feature in the cityscape. And UZH also makes its mark in Zurich's cultural and economic life.



### Mutual Trust

The University is an autonomous institution, but one that is committed to close collaboration with the local authorities. Photo: City council members and the Executive Board of the University outside the Office of the President.



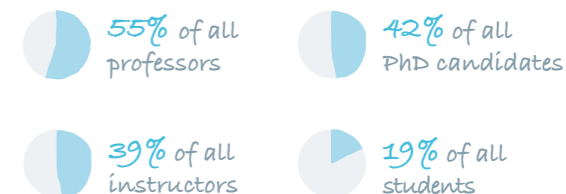
### In Touch with the World

From Auckland to Ann Arbor, from Beijing to Berkeley, from Stockholm to Stanford: The University of Zurich maintains partnerships in research, in teaching, and in student exchange programs with over

**500 institutions in 100 countries.**

### International Mix

The University of Zurich welcomes staff and students from all over the world. Statistics on UZH's international mix:



### Alumni from Near and Far

The 27 alumni organizations in Switzerland and a growing number of international alumni chapters from all corners of the globe guarantee that UZH graduates and former staff members maintain their network.

- Boston
- Los Angeles
- New York
- Washington D.C.
- San Francisco
- United Kingdom
- Hong Kong
- Japan
- Shanghai
- Singapore
- Taipei
- Sydney



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ZENTRUM

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