

Research Institutes in the Greater Zurich Area

Engineering and Information Technology

ETH Zürich

→ www.ethz.ch/research/index

ETH conducts research in

- Architecture and Civil Engineer
- Engineering
- Natural Science and Mathematics
- System-oriented Natural Science
- Humanities, Social and Political Science

PSI Paul Scherrer Institut, PSI

→ www.psi.ch

The Paul Scherrer Institute (PSI) in Villigen (canton of Aargau) is an institute for basic as well as applied research in the areas of solid state physics, materials sciences, particle physics, life sciences, energy and ecology. The PSI develops, builds and operates large and complex research facilities which enable experiments on an unprecedented scale.

CSEM Swiss Center for Electronics and Microtechnology

→ www.csem.ch

The CSEM in Zürich is a knowledge-based company carrying out applied research work, product development, prototype and low-volume production mainly in the fields of micro/nanotechnology, microelectronics, systems engineering, and information and communication technologies.

The CSEM Research Center in Landquart is dedicated to developing economically interesting fields in nanomedicine.

ZHAW School of Engineering

→ www.engineering.zhaw.ch

The School of Engineering at the Zurich University of Applied Sciences is comprised of numerous institutes and competence centers that run innovative research and development projects in cooperation with partners in the business sector.

EMPA Swiss Federal Laboratories for Materials Testing and Research

→ www.empa.ch

EMPA in Dübendorf (Canton Zürich) is the ETH domain's institution for multidisciplinary research into sustainable materials and systems engineering.

ZISC Zürich Information Security Center

→ www.zisc.ethz.ch

The ZISC brings together academia and industry to carry out research and education in information security.

IBM Research Laboratory

→ www.zurich.ibm.com

The IBM Zurich research laboratory in Rüschlikon conducts research in the fields of services and software, systems, science and technology and it takes action for the knowledge transfer between business and research.

Google European Engineering Center Zürich

→ www.google.ch

Google's full-cycle European Engineering Centre works on problems in a number of areas, including distributed systems, information retrieval, algorithms, user interface, a variety of novel search features, and scalability issues related to dealing with huge amounts of data and a rapidly increasing user base. In addition, the European Engineering Centre focuses on improving Google's language-specific offerings.

Microsoft Developer Center Zürich

→ www.microsoft.ch

Microsoft Developer Center in Zürich develops collaboration technologies and products for the Microsoft Office system. It is part of the Unified Communication Group (UCG) within Microsoft's Business Division.

ABB Research Center

→ <http://www.abb.ch/cawp/abbzh254/ec72bb280fd24d47c1256b5700522f3a.aspx>

Powertechnology and Automation are the main research focus of the ABB institute in Baden-Dättwil (Canton Aargau).

Sulzer Innotec

→ www.sulzerinnotec.com

Sulzer Innotec in Winterthur (Canton Zürich) is a worldwide provider of Contract R&D and specialized services in the technology and production sectors.

KATZ Plastic Training and Technology Center

→ www.katz.ch

The training and technology center in Aarau (Canton Aargau) gives support to SME and offers education in the area of plastic technology.

IPI International Packaging Institute

→ www.ipi.sh

The IPI in Neuhausen (Canton Schaffhausen) offers education, services and events in the field of packaging technology.

Medical Research and Biotechnology

University of Zürich

→ www.ufsp.uzh.ch

The University of Zürich conducts research, among other fields, in

- Systems Biology and Functional Genomics

University Hospital of Zürich, Center of Medical Research ZKF

→ www.usz.ch/german/LehreUndForschung , www.med.uzh.ch/ZKF

The research focus of the University Hospital of Zürich is

- Molecular Medicine
- Neuroscience
- Organ transplantation and Immunology
- Cancer

Life Science Zürich

→ www.lifescience-zurich.ch

Life Science Zürich is a joint initiative between the University of Zürich and the ETH Zürich in order to build a stronger research network of the two institutions in the field of life sciences.

ZNZ Neuroscience Center Zürich

→ www.neuroscience.uzh.ch

The Neuroscience Center Zurich (ZNZ) is a collaboration between the Swiss Federal Institute of Technology Zürich and the University of Zürich research groups in Neuroscience. The objective of the Center is to promote Neuroscience research in Zürich.

ZHAW School of Health Professions

→ www.gesundheit.zhaw.ch

The Health Department at the Zurich University of Applied Sciences is one of Switzerland's largest and most renowned research centers for occupational therapy, obstetrics, patient care and physiotherapy/physical therapy.

NCCR Structural Biology

→ www.structuralbiology.uzh.ch

Swiss specialists have created a National Center of Competence in Research (NCCR) to meet the challenge of linking the ever increasing biological data generated in the genomics era with related structural and functional information. The interdisciplinary nature makes this NCCR unique in structural biology in Europe and guarantees the global competitiveness of the Swiss scientific community in this field in the years to come.

NCCR Neuro: Neural Plasticity and Repair

→ www.nccr-neur.unizh.ch

Scientists from the domains of basic and clinical research will work together towards this goal in a total of 53 research groups. The structured combination of experimental and clinical research and the establishment of new research domains and technologies have led to the creation of a globally leading center of neurological sciences.

NCCR CO-ME: Computer Aided and Image Guided Medical Interventions

→ co-me.ch

The National Centre of Competence in Research (NCCR) Co-Me is a network of about 30 leading clinics and engineering sites in Switzerland with strong links to industry and international partners. The leading house is the Swiss Institute of Technology in Zurich. The target of the NCCR Co-Me is to take advantage of the computer technologies in order to improve patient care.

Competence Center for Systems Physiology and Metabolic Diseases

→ www.ccsfmd.ethz.ch

The Competence Center for Systems Physiology and Metabolic Diseases (CC-SPMD) is a multi-disciplinary research collaboration of ETH Zurich and University Zurich, created to bring the power of systems biology to physiology and medicine. The CC-SPMD is a Scientific Node of SystemsX, the Swiss Initiative in Systems Biology.

FGCZ Functional Genomics Center Zürich

→ www.fgz.ethz.ch

The Functional Genomics Center Zurich (FGCZ) is a jointly sponsored state-of-the-art facility of the University of Zürich and the ETH Zürich. Providing ready access to the latest technologies of transcriptomics, proteomics, and bioinformatics technology to research groups of both Institutions, the FGCZ allows researchers to cope with rapid technology development and information expansion, as well as with the highly-competitive nature of modern biological research.

SIAF Swiss Institute of Allergy and Asthma Research

→ www.siaf.uzh.ch

The SIAF in Davos (Canton Graubünden) performs applied basic research in the field of Allergies and Asthma. The general interest is to understand immunologic interactions in allergic inflammation.

AO Foundation: Association for the Study of Internal Fixation

→ www.aofoundation.org

The AO Research Institute in Davos (Canton Graubünden) is part of the AO foundation which is a medical oriented non-profit organization. The institute conducts basic and applied research in the fields of Biomaterials and Tissue Engineering, Mechano-Biology and Bio-Performance.

RMS Robert Mathys Foundation

→ www.rms-foundation.ch

The Robert Mathys Foundation (RMS) in Bettlach (Canton Solothurn) is a research institute and service laboratory with the objective to support research and testing of medical products regarding different applications in traumatology and orthopaedics as well as materials technology and testing including the evaluation of innovative manufacturing and machining processes.

Horten Center for Patient Oriented Research, Zürich

→ www.evimed.ch

The Horten Center specializes in patient oriented research, i.e. research methodology, especially diagnostics, and applied empirical research.

Zimmer

→ www.zimmer.com

Noted scientists and doctors work with Zimmer to optimize endoprotheses and related surgical procedures. The company owns more than 1000 med-tech patents and invests €120 million a year in research and development.

Environment

Center for Xenobiotic and Environmental Risk Research Zürich (XERR)

→ www.uzh.ch/envtox

The Center for Xenobiotic and Environmental Risk Research Zurich was created as a Competence Center to strengthen the collaboration of research groups in the area of Zurich that are committed to research in toxicology and related fields thus sharing the aim of a comprehensive analysis of chemical risks to humans and the environment

PSC Zürich-Basel Plant Science Center

→ www.plantscience.ethz.ch

Eight institutes of the ETH Zürich, the University of Zürich and the University of Basel form the Zürich-Basel Plant Science Center. To learn about and understand the variety of forms, functions, and agricultural uses of plants, it is necessary to study all aspects, from the molecular level to the ecosystem level.

Eawag: Swiss Federal Institute of Aquatic Science and Technology

→ www.eawag.ch

EAWAG in Dübendorf (Canton Zürich) is a Swiss-based and internationally linked aquatic research institute committed to an ecological, economical and socially responsible management of water. It carries out research, teaching and consulting and forms a link between science and practical application.

Research Center Agroscope Changins-Wädenswil ACW

→ www.acw.admin.ch

Agroscope Changins-Wädenswil ACW is a research station that conducts applied research in plant science. Areas of study include field crops, pastures, viticulture, arboriculture, horticulture, berries and aromatic and medicinal herbs.

WSL Swiss Federal Institute for Forest, Snow and Landscape Research

→ www.wsl.ch

WSL in Birmensdorf (Canton Zürich) is a federal research center affiliated to the ETH-domain. Research is conducted in the fields of protection and management of landscapes and management of natural hazards.

SLF Swiss Federal Institute for Snow and Avalanche Research Davos

→ www.slf.ch

The research in the field of qualities of snow and snow fields as well as the research on the origin of and protection from avalanches are central domains of the institute in Davos (Canton Graubünden).

World Radiation Center

→ www.pmodwrc.ch

To measure the sunlight is the core work of the research center. At PMOD/WRC new ways of measures are developed and the data collected with these new ways are analysed and e.g. used to observe climate change.

Financing and Risk

NCCR FINRISK Financial Valuation and Risk Management

→ www.nccr-finrisk.uzh.ch

FINRISK in Zürich is an academic forum fostering cutting-edge finance research, education of highly qualified finance specialists at the doctoral level and knowledge transfer between finance academics and practitioners. It is managed from the University of Zürich and includes various academic institutions from Basel, Geneva, Lausanne, Lugano, Neuchatel, St. Gallen and Zurich. FINRISK's long-term goal is to develop a Swiss Excellence Centre in Finance.

CCFZ Center for Competence Finance in Zürich

→ www.ccfz.ch

The Center of Competence Finance in Zürich promotes and coordinates the activities of the University and the ETH in research and education in finance.

Swiss Financial Center Watch (SFCW)

→ www.sfcw.ch

The SFCW is an interdisciplinary research project on Switzerland as a center of finance, jointly run by the University of Zürich and the Swiss Federal Institute of Technology.

RiskLab Switzerland

→ www.risklab.ch

Risk Lab is an inter-university research institute, concentrating on precompetitive, applied research in the general area of (integrated) risk management for finance and insurance.

Swiss Re Centre for Global Dialogue

→ www.ruschlikon.net

The Center for Global Dialogue in Rüslikon (Canton Zürich) was established by Swiss Re. Its main topics are to gain knowledge on global risks and knowledge on future risk markets.

IFZ Institute of Financial Services Zug

→ www.hslu.ch/ifz

The Institute of Financial Services in Zug (IFZ) is part of the Lucerne University of Applied Sciences and Arts and offers courses in continuing education, as well as research and consulting to experts and executives in the finance industry.

Economics and Society

CCRS Center for Corporate Responsibility and Sustainability

→ www.ccrs.uzh.ch

CCRS aims to enhance the contribution of the corporate sector in realizing sustainability. To do so, it pursues four integrated objectives. The CCRS focuses on the private sector, with the financial markets and the financial services industry as a first area of concentration.

KOF Konjunkturforschungsstelle

→ www.kof.ethz.ch

The Research Center for Economics (KOF) at the Swiss Federal Institute of Technology in Zurich does research on a broad range of economic subjects.

University of Zürich

→ www.ufsp.uzh.ch

The University of Zürich conducts research, among other fields, in

- Ethics
- Social Behavior: Altruism und Egoism
- Integrative Human Physiology

Center for Comparative and International Studies (CIS) Zürich

→ www.cis.ethz.ch

The Center for Comparative and International Studies (CIS) is an academic institution that unites political scientists, historians and economists in an effort to advance interdisciplinary research and teaching in the areas of conflict research and comparative politics, etc.

Center of Competence of History and Knowledge (CC-HK) Zürich

→ www.zgw.ethz.ch

The Center of Competence of History and Knowledge was founded by the University of Zürich and ETH Zürich. It coordinates and encourages research in cultural sciences and knowledge.

ZHAW School of Management and Law

→ www.som.zhaw.ch

With its innovative research and consulting projects, the School of Management and Law at the Zurich University of Applied Sciences is one of the leading business universities in Switzerland.

NCCR Democracy

→ www.nccr-democracy.uzh.ch

The NCCR Democracy is an interdisciplinary research program that examines the key challenges to democracy today and traces them to two major trends: globalization and the growing influence of the media on politics.

NCCR Mediality

→ www.mediality.ch

The NCCR Mediality proposes to examine the specific ways in history, in which media generate cultural meaning without submitting to the teleologic, technology-centered, or mass-media-oriented theories of media.

GDI Gottlieb Duttweiler Institute

→ www.gdi.ch

The Gottlieb Duttweiler Institute has been focussing on consuming, trade and society themes for 40 years. The GDI is politically and economically independent.

Jacobs Center for Productive Youth Development, Zürich,

→ www.jacobscenter.uzh.ch

The Jacobs Center for Productive Youth Development encourages interdisciplinary research on a scientific level in the field of youth development.

Swiss Design Institute for Finance & Banking

→ www.sdfb.ch

This independent institute does interdisciplinary, praxis-oriented research on the interaction between financial services providers and customers.