BASEL AREA

MORE TO DISCOVER

Discovering the life sciences hub: The research institutes handbook

More *talent.*
More *business.*
More *innovation.*

Welcome to the Basel Area, an economic powerhouse and Switzerland's most dynamic business environment. Its tri-border location next to France and Germany with excellent transport and infrastructure connections, cultural offerings and high quality of life make it one of the world's foremost life sciences destinations.

Thanks to an innovative environment, favorable taxation and a world-class, multinational talent pool, the region is a key driver of the Swiss economy and continues to grow and prosper. Blue-chip multinationals and leading research institutes rub shoulders with dynamic start-ups and prolific incubators. The entire life sciences value chain is represented here by more than 700 companies and you will find two of the largest European pharma markets right at your doorstep.

Numerous world-renowned research institutes are also located in the Basel Area: within a one-hour drive radius, there are 14 leading universities as well as 1,000 research groups in the surrounding border regions.

In its role as a research and innovation hub, the Basel Area offers a fertile and productive environment to help companies thrive and prosper. This is clearly underpinned by the fact that Basel has the highest hourly productivity worldwide: $ 515 value added per hour worked (compared to Boston = $ 156), keeping your company moving forward.

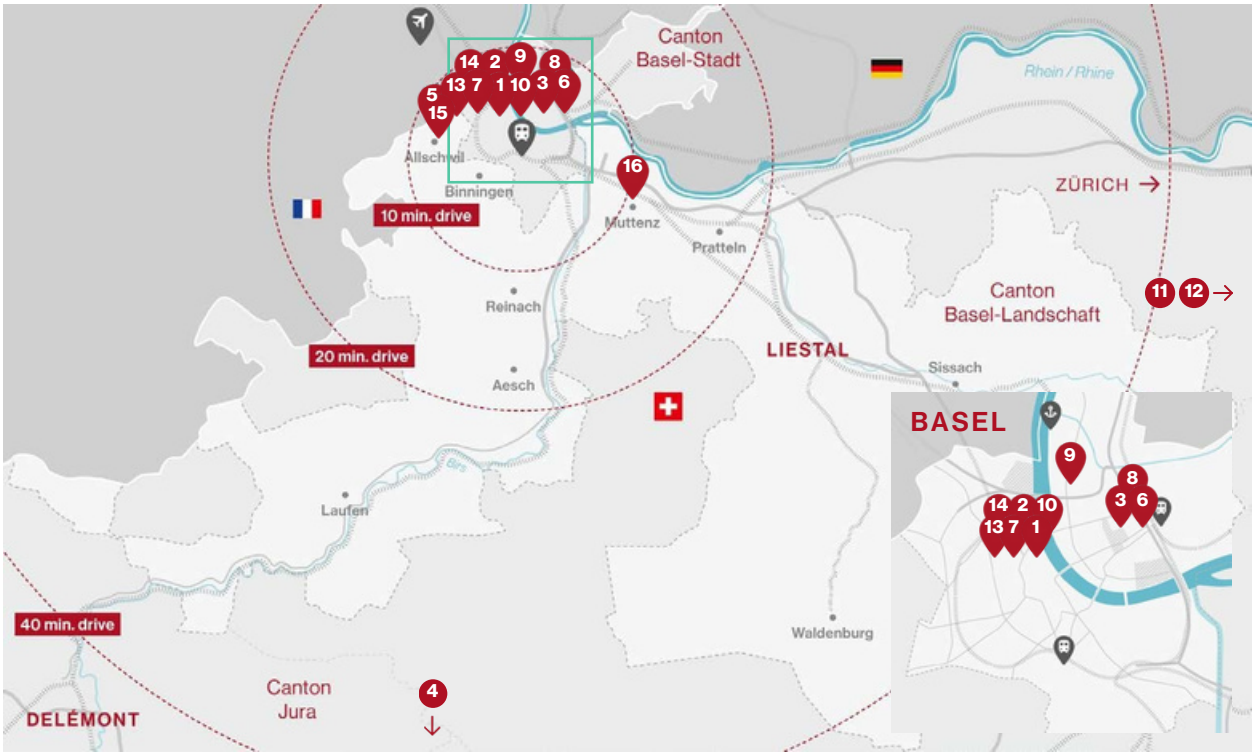
This guide provides an overview of some of the major research institutes that have come to call the Basel Area home.

Ready to discover?

More

talent

Basel Area overview



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More

than $ 21 B
in R&D
spending

Basel Institute **ceb**
for Clinical Epidemiology and Biostatistics

Basel Institute for Clinical Epidemiology and Biostatistics (CEB)

CEB's mission is to improve decision-making in healthcare. New technologies entering the healthcare system must be based on sound evidence, provide clinically relevant benefit, be safe, and represent added value to the healthcare system. They evaluate new and established technologies and provide evidence that informs the decision-making process of patients, healthcare professionals, health policy decision makers and the industry. CEB combines academic rigor, clinical knowledge and business acumen, allowing us to understand the specific needs for decision-making at all healthcare levels. It develops and teaches methods of evidence-based medicine in order to improve the quality of clinical research and to examine the effectiveness of health technologies in the real world setting. CEB's goal is evidence-based healthcare at the local, national and international level.

Key competences

- Study planning and design
- Protocol development
- Research reporting and manuscript development
- Systematic literature reviews and meta-analysis
- Pharmacoepidemiological analysis with use of registry data
- Observational data and clinical trial analysis
- Pharmacoeconomic modeling and analysis
- Reporting continues along international guidelines (e.g. SPIRIT, CONSORT, PRISMA, RECORD)

Collaborations

National collaborations

- ETH Zürich
- Swiss HIV Cohort Study (SHCS)
- ANRESIS
- Swiss NOSO
- Swiss Transplant Cohort Study (STCS) -
- Swiss Medical Board - HTA
- BAG - HTA

International collaborations

- Data collection on adverse events of Anti-HIV Drugs (D.A.D)
- International cohort Consortium of Infectious Disease (RESPOND)
- HIV-CAUSAL Collaboration Causal Inference from Observational Data in HIV
- COHERE Collaboration of Observational HIV Epidemiological Research Europe
- The International Cohort Consortium of Infectious Disease (RESPOND)
- CASCADE Concerted Action on SeroConversion to AIDS and Death in Europe
- University of Southampton; visiting professorship: Antibiotic stewardship programs in primary care
- Rwanda Biomedical Centre, HIV/AIDS and STIs Diseases Division.
- Global Evaluative Sciences, Institute for Health Metrics and Evaluation (IHME)

Key facts

Head count (FTE)	30
Nationalities	5
Master students	2
PhD students	8
Postdocs	14
Professors	4
Additional adjunct professors	4
Publications (Ø per year)	37
Publications (in total)	670

Founded in 2001

Further information is available at
www.ceb-institute.org/en

Source: CEB

BIOZENTRUM
The Center for
Molecular Life Sciences

Biozentrum – University of Basel

The Biozentrum of the University of Basel is one of the leading life sciences institutes in the world. The focus of this interdisciplinary institute is basic molecular and biomedical research and training. It holds a leading position nationally and internationally and closely networks with partners from the academic world and industry. It consists of 32 research groups, representing more than 40 nations. They are engaged in investigating the molecular basis of biological processes.

Key competences

- 32 research groups
- Molecular and biomedical research and teaching
- Cell growth and development
- Infection biology
- Neurobiology
- Structural biology and biophysics
- Computational and systems biology

Research cooperation with companies

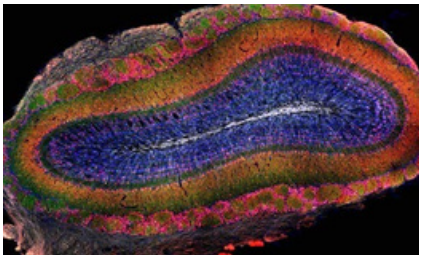
Actelion, ARTIDIS, Basilea Pharmaceuticals, BioVersys, Novartis, Polyphor, Santhera Pharmaceuticals, Roche.

Key facts

Employees	515
Nationalities	40
Master students	46
PhD students	135
Postdocs	94
Research groups	32
Scientific staff	45
Technicians	129

Founded in 1971

Intestinal bacterium Escherichia coli. © Research Group Urs Jenal, Biozentrum University of Basel.



New neurons (white) enter the olfactory bulb, a part of the brain that processes odor signals. © Research Group Fiona Doetsch, Biozentrum University of Basel.

Further information is available at
www.biozentrum.unibas.ch

Source: Biozentrum

BRC CH Botnar Research Centre for Child Health

Botnar Research Centre for Child Health University of Basel & ETH Zurich (BRCCH)

The Botnar Research Centre for Child Health started operations in 2019 and has a clear mission: embrace the expertise of their partner institutions and thus foster a research community that is able to develop new healthcare solutions for the benefit of young people worldwide. Physicians and scientists work together in multidisciplinary teams to recognize medical needs, implement innovative research, and scale feasible solutions. The BRCCH pursues these goals collaboratively with partners across the globe. Their mandate is to drive outstanding and innovative scientific research that will lead to improved health outcomes and well-being in children and adolescents.

Key competences

Research Focal Areas:

- Paediatric Digital Health
- Advanced Bioengineering for Paediatric Medicine
- Essential Paediatric Medical Devices
- Ethics, Policy and Implementation Research in Paediatric Health

Research cooperation with companies

University of Basel, ETH Zurich, University Children's Hospital of Basel (UKBB) and the Swiss Tropical and Public Health Institute (Swiss TPH).

Operations started in 2019

Transdisciplinary research.

The BRCCH brings together top scientists and clinical researchers from a variety of disciplines in order to develop digital and next generation healthcare solutions for use in paediatrics.

Further information is available at www.brc.ch

Source: BRCCH

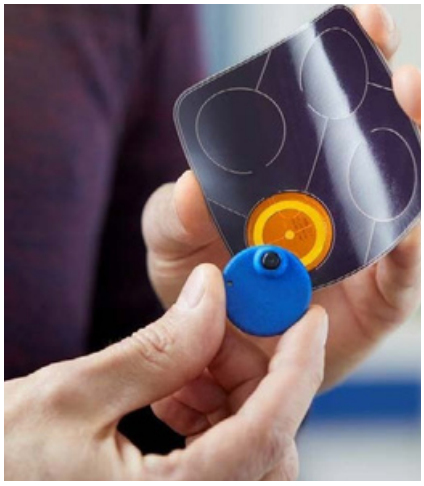
CSEM (Centre Suisse d'Electronique et de Microtechnique)

CSEM, founded in 1984, is an internationally recognized innovation specialist with over 550 employees across six locations in Switzerland and more than 200 registered patents. They develop disruptive technologies with a high societal impact in the fields of precision manufacturing, digitalization, ultra-low-power electronics, optical elements, AI, and sustainable energy.

Founded in 1984

Key competences

- Additive manufacturing
- Functional surfaces
- Scientific instrumentation
- Tools for life sciences
- Photonics
- MEMS & packaging
- Data & AI
- Industry 4.0
- Digital health
- Quantum technology
- IoT
- Edge processing
- Digital grid
- PV & solar buildings
- Storage
- Mobile harvesters



World's first fully autonomous camera that can be deployed like a sticker, opening possibilities for surveillance and IOT.

Roll-to-roll printing technologies applied to mass manufacture a battery-free and flexible sensing platform.

Research cooperation with companies

233 industrial clients (2023) including Hinni, Renata, ROLIC, Regent, BASF, Roche, SBB, BKW.

Further information is available at www.csem.ch

Key facts

Employees	552
Nationalities	42
Bachelor students	6
Apprentices	7
Master students	21
PhD students	26
Postdocs	7
Industrial clients	233
Patent families	205

Source: CSEM

More

business

More

than 700 life sciences companies

Universität Basel

Department of Biomedical Engineering

Department of Biomedical Engineering – University of Basel (DBE)

The Department of Biomedical Engineering (DBE) translates basic science and engineering into medical knowledge and healthcare innovations. It provides high quality education and capacity building for academics, clinicians, and industrial partners. The DBE is a joint venture of the University of Basel, the University Hospital Basel and the University Children's Hospital Basel and is associated with researchers of the University Center for Dental Medicine Basel. The DBE's members collaborate in and across the below fields of competences. A Master of Science program and a PhD program aim to contribute to an enriching environment in the field of biomedical engineering. Moreover, the department is the place of origin for a number of award-winning med- tech spin offs.

Key competences

- 35 research groups
- Biomechanics and biomaterials
- Medical lasers and robotics
- Imaging, modeling and diagnosis
- Regenerative surgery
- 3D print
- Micro- and nanotomography

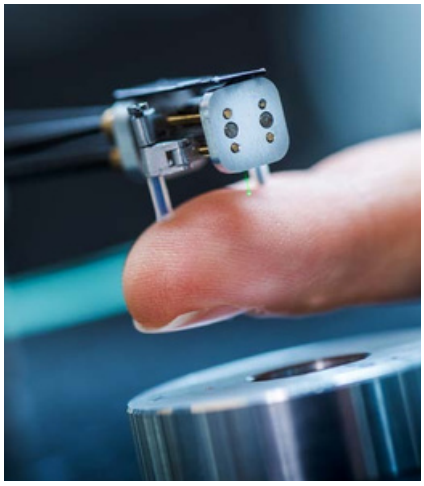
Research cooperation with companies

>10, names are confidential.

Key facts (DBE site in Allschwil)

All DBE members	152
Nationalities	22
Research groups	32
PhD students	14
Postdocs	14
Research associates	4
Professors	29
Spin offs	11
Publications (Ø per year)	250
Patents (Ø per year/in total)	4/22

Founded in 2015



Miniature robot for minimally invasive laserosteotomy.

MIRACLE Project.

Further information is available at www.dbe.unibas.ch/en

Source: DBE

D BSSE

Department of Biosystems Science and Engineering – ETH Zurich (D-BSSE)

The mission of D-BSSE is the understanding, rational design and programming of complex biological systems from the nanoscale up to whole organisms. The department advances basic and applied biological sciences with the overall goal of translating its research into biomedical and industrial app- lications, and promoting the development of new processes and products in the biotech, pharmaceutical and chemical industries. To maximize the impact of this ambitious endeavor, the department is located in Basel, the life sciences capital of Europe. In collaboration with partners from industry, hospitals and other academic institutions, the Basel location facilitates rese- arch applications in the emerging fields of precision medicine and personalized health, molecular systems engineering and data science. As of 2022, all 20 research groups at D-BSSE will be united under one roof in close to vicinity to the University of Basel, the University Hospital and the Children's Hospital Basel. With the new BSS building on the Schällemätteli campus in Basel, ETH Zurich is creating a modern research building with work and lab spaces for up to 600 users.

Founded in 2007

High-density array of thousands of micro-electrodes, which are used for electrophysiological recordings at sub-cellular resolution. Photo: Pino Covino for ETH Zurich, image on the monitor: Branka Roscic, Douglas Bakkum / ETH Zurich.

Further information is available at www.bsse.ethz.ch

Key competences

- 20 research groups
- Analysis of processes in cells and organisms
- Development of strategies and techniques for programming and rational design of cell functions
- Implementation of complex biological systems
- Exploring open scientific questions and unmet societal needs in the fields of biotechnology and life sciences

Research cooperation with companies

In addition to working with institutions at Basel University and its hospitals (73 collaborations) and other ETH Zurich institutions (40 collaborations), research collaborations with over 30 corporations and about 120 international partners.

Key facts

Head count (FTE)	306
Nationalities	30
Staff members	350
Master students	200
PhD students	180
Postdocs (FTE)	80
Professors	19
Spin offs	18
Publications in 2018	232
Patents (Ø per year)	7

Source: D-BSSE

DEPARTMENT
OF PHARMACEUTICAL SCIENCES

Department of Pharmaceutical Sciences – University of Basel

The Department of Pharmaceutical Sciences is characterized by its broad and internationally successful research throughout the entire drug development process. Topics range from the discovery and optimization of active ingredients, their effects, and possible side effects, to the production of suitable drug forms and their application to patients. They have a lean structure and, with approximately 700 students, holding an unceasing popularity as a university training centre. This shows the enormous commitment of all employees in their unit, who work every day to achieve the best possible results in teaching and research.

Key competences

- 12 research groups
- Biopharmacy
- Clinical pharmacology & toxicology
- Clinical pharmacy & epidemiology
- Computational pharmacy
- Molecular & systems toxicology
- Molecular pharmacy
- Nanopharmaceutical and regulatory science Pharmaceutical biology
- Pharmaceutical care
- Pharmaceutical technology
- Regulatory toxicology
- Translational complementary medicine

Research cooperation with companies

A wide range of small and large pharmaceutical companies in Switzerland and abroad.

Key facts

Head count (FTE)	98.5
Nationalities	45
Bachelor students	368
Master students	215
PhD students	82
Postdocs	16
Professors	11
Spin offs	1
Publications (Ø per year)	100–120
Patents	2

Founded in 1917

Pharmaceutical Sciences laboratory.

Further information is available at
www.pharma.unibas.ch

Source: Department of Pharmaceutical Sciences

FMI
Friedrich Miescher Institute
for Biomedical Research

Friedrich Miescher Institute for Biomedical Research (FMI)

The Friedrich Miescher Institute for Biomedical Research (FMI), based in Basel, Switzerland, is a world-class biomedical research institute with a twofold mission — understanding the molecular mechanisms of health and disease, and training early career scientists. The institute has an international staff of about 330 people, from over 40 countries, and 19 research groups whose main areas of focus are Neurobiology, Genome Regulation, and Multicellular Systems. The FMI is affiliated with the University of Basel and the Novartis Institutes for BioMedical Research.

Key competences

19 research groups

Research areas

- Genome regulations
- Multicellular systems
- Neurobiology

Research themes

- RNA biology & development
- Chromatin structure & gene regulation
- Genome integrity & maintenance
- Mathematical & molecular modeling
- Stemness & organogenesis
- Neuronal circuits & behavior
- Learning & memory

Research cooperation with companies

No research cooperation but affiliated with Novartis.

Key facts

Head count (FTE)	330
Nationalities	40
Master students	12
PhD students	76
Postdocs	106
Professors	12
Publications (in 2022)	107
Patents (in 2018/in total)	7/138 since 1999

Founded in 1970

Friedrich Miescher Institute for Biomedical Research.

FMI laboratory.

Further information is available at
www.fmi.ch

Source: FMI

More

innovative

More

than 32,500 specialized talents

Institute of Molecular and Clinical Ophthalmology Basel

Institute of Molecular and Clinical Ophthalmology Basel (IOB)

At the Institute of Molecular and Clinical Ophthalmology Basel (IOB), basic researchers and clinicians work hand in hand to advance the understanding of vision, and its diseases and to develop new therapies for vision loss. IOB started operations in 2018. The institute is constituted as a foundation, granting academic freedom to its scientists.
IOB is guided by the Board of Trustees (general rules and strategy), the Scientific Advisory Board (scientific advice and strategy) and the Executive Board (leadership and operations). The Executive Board consists of three co-directors who share the responsibility of guiding the new organization.

Key competences

- 8 research groups at the Molecular Research Center
- 9 research groups at the Clinical Research Center
- 4 translational cross-functional research projects to accelerate new therapies for patients
- Development of gene therapy for macular degeneration (Stargardt disease)
- Optogenetic approaches to generate light sensitivity in the retina of blind patients suffering from retinitis pigmentosa
- Human retinal organoids as in-vitro testing models for novel therapies to restore vision
- Growth regulation of the eye bulb to address myopia
- Identification of currently unknown disorders of movement detection

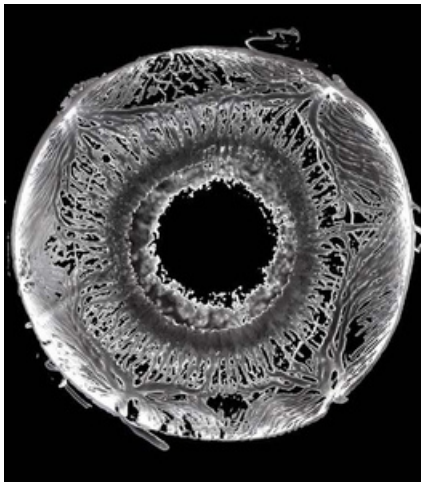
Research cooperation with companies

Affiliated with the University of Basel. In addition to working closely with institutions at the University of Basel and its hospitals (particularly the Eye Clinic), IOB has research collaborations with over 65 international academic partners and corporations.

Key facts

Head count (FTE)	85
Nationalities	25
Bachelor students	2
Master students	3
PhD students	6
Postdocs	33
Professors	7
Publications	107 / 419 since 2018

Founded in 2017



Eye view from inside. © IOB.ch.

IOB laboratory. © IOB.ch.

Further information is available at www.iob.ch

Source: IOB

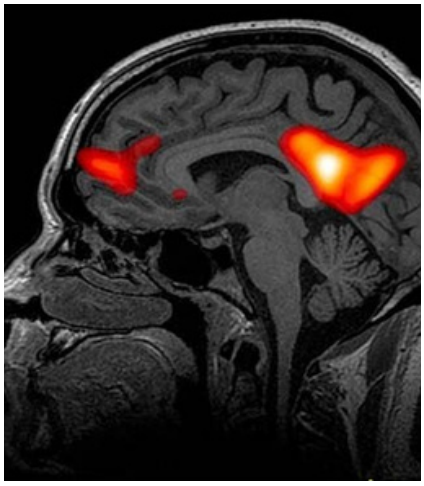
Medical Image Analysis Center AG (MIAC)

The Medical Image Analysis Center is a clinical research organisation (CRO) supporting international trials with advanced medical image acquistion and analysis technologies. As a academic corporation that was founded at the Basel University Hospital in 1995, MIAC is today tightly embedded in a national and international institutions and research network, driving the translation of novel imaging and post-processing modalities from development to application in clinical trials.

Founded in 1995

Key competences

- 25 years of international trials with 24/7 customer support
- References center for scientific and medical reporting
- Quantitative modeling and morphometry
- High throughput pipeline-based data workflows
- Board-certified neuro-/radiologists
- Advanced MRI analyses incl. ultrahigh, ultralow and quantitative MRI, MR elastography, QSM, ASL, DTI
- Quantitative OCT and PET analyses
- Highest quality and data protection standards
- Certification according to FDA / EMA / EN ISO 13485 / ICH / GCP



Research cooperation with companies

University Hospital Basel, University Basel, MAGNIMS, NAIMS, Guthy Jackson Charitable Foundation, Charité Berlin, National Institute of Health, Harvard University, University of Nottingham, University of Graz, University of Barcelona.

Magnetic resonance imaging (MRI) of the head.

Key facts

Head count (FTE)	21
Nationalities	8
Postdocs	1
Spin offs	3
Publications (Ø per year)	25–30

Further information is available at www.miac.swiss/en

Source: MIAC

PAUL SCHERRER INSTITUT
PSI

Paul Scherrer Institute (PSI)

The Paul Scherrer Institute is the largest research institute for natural and engineering sciences in Switzerland, conducting cutting-edge research in four main fields: future technologies, energy and climate, health innovation and fundamentals nature. PSI develops, builds and operates complex large research facilities. Every year, more than 2500 scientists from Switzerland and around the world come to PSI to use their unique facilities to carry out experiments that are not possible anywhere else. PSI is committed to the training of future generations. Therefore about one quarter of their staff are apprentices, post-graduates or post-docs. For pupils it offers the school laboratory iLab.

Founded in 1988

Paul Scherrer Institute.

Swiss Light Source SLS.

Key competences

Research areas

- Matter and Material study of the internal structure of a wide range of different materials
- Energy and Environment study to develop new technologies to facilitate the creation of a sustainable and secure supply of energy
- Human Health searching for the causes of illnesses and exploring potential treatment methods

Research cooperation with companies

Many national and international research collaborations with companies from various industries.

Key facts

Head count	2,200
Nationalities	>60
PhD students	310
Postdocs	150
Professors	100
Spin offs	15
Publications (Ø per year)	1,400
Patents (Ø per year/in total)	12/110 active patent families

Further information is available at www.psi.ch/en

Source: PSI

FiBL

Research Institute of Organic Agriculture (FiBL)

FiBL is an independent, non-profit, research institute with the aim of advancing cutting-edge science in the field of organic agriculture. FiBL's is one of the world's leading research and information centres for organic agriculture and employs 300 people in Switzerland. The close links between different fields of research and the rapid transfer of knowledge from research to advisory work and agricultural practice are FiBL's strengths. The competence of FiBL Switzerland is also sought after beyond the Swiss borders. Thus, FiBL is involved in numerous international projects – not only in research, consultancy and training but also in development cooperation.

Founded in 1973

Key competences

- Soil Sciences
- Crop Sciences
- Livestock Sciences
- Socioeconomics
- Extension, Training and Communication
- International Cooperation

Farmers select the best cotton plants. Six varieties have already been bred in this way. Photo: Monika Messmer

Research cooperation with companies

Numerous research cooperations, e.g. with universities, technical colleges, farmers' associations, food industries and foundations.
For more information, see FiBL Activity Report, or FiBL website.

Prototype of a multi-spectrum camara enables FIBL livestock researcher to detect even the smallest injuries in pigs. Photo: Marion Nitsch

Key facts

Head count (FTE)	300 at FiBL Switzerland
FIBL global (FTE)	300
Nationalities	23
Trainees, bachelor, master students, guest scientists	80
PhD students	17
Professors	4
Spin offs	3
Publications (2022)	698
Patents (in total since 2014)	3

Further information is available at www.fibl.org/en

Source: FiBL

More

productive

More

than 400 biotech-related companies

Swiss Institute of Bioinformatics

SIB Swiss Institute of Bioinformatics (SIB)

The SIB Swiss Institute of Bioinformatics is an internationally recognized non-profit organization whose mission is to lead and coordinate the field of bioinformatics in Switzerland. Its data science experts join forces to advance biological and medical research and enhance health. SIB's scientists are passionate about creating knowledge and converting complex questions into solutions in many fields, from biodiversity and evolution to medicine. SIB federates the Swiss bioinformatics community of some 800 scientists, encouraging collaboration and knowledge sharing. It also cooperates with national and international institutions on research infrastructure matters.

Key competences

- 360° bioinformatics support for research in the health- and research sectors in Switzerland and abroad, with core services including:
- Over 150 bioinformatics databases and software tools, to be used and adapted to private companies' specific needs
- Regulated environment services
- High-performance computing and storage for sensitive and non-sensitive data
- Data coordination center for large-scale health data sharing in Switzerland and for international projects
- Bioinformatics analysis and biostatistics including experimental design
- Data management planning
- Software engineering, code optimization, web technologies and scientific services hosting.
- Bioinformatics training for researchers and clinicians, from the Swiss and international scientific community
- Over 70 research and service groups

Research cooperation with companies

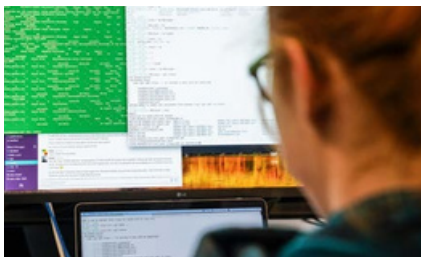
Elsevier, Medisupport, Geneva University Hospitals.

Key facts

Head count (FTE)	190
Nationalities	23
PhD students	190 among SIB members, 54 in Basel
Publications (in total)	254 /2,450 since creation

Founded in 1998

SIB members provide over 150 high-quality databases and software tools to the global life sciences community.



Embedding bioinformaticians in the various research labs. SIB Swiss Institute of Bioinformatics, Photos: Nicolas Righetti.

Further information is available at www.sib.swiss

Source: SIB

Swiss Nanoscience Institute
Center of Excellence supported by the University of Basel and the Canton of Aargau

Swiss Nanoscience Institute – University of Basel (SNI)

The Swiss Nanoscience Institute at the University of Basel is a center of excellence for nanosciences and nanotechnology. It was founded in 2006 by the Swiss Canton of Aargau and the University of Basel. It was founded in 2006 by the University of Basel and the Swiss Canton Aargau in order to support research, education, and technology transfer in nanosciences and in nanotechnology in Northwestern Switzerland. The SNI provides different services like nano-imaging and nanofabrication to partners from research and industry. In addition, the SNI's management team is involved in public relations and outreach activities and specifically supports various initiatives, particularly those aiming to interest children, young people, and their teachers in the natural sciences.

Key competences

- Quantum sciences
- Sensing
- Nano electronics
- Imaging at nanoscale
- Graphene and other two-dimensional materials
- Biomimetic and functional surfaces
- Nanomechanics

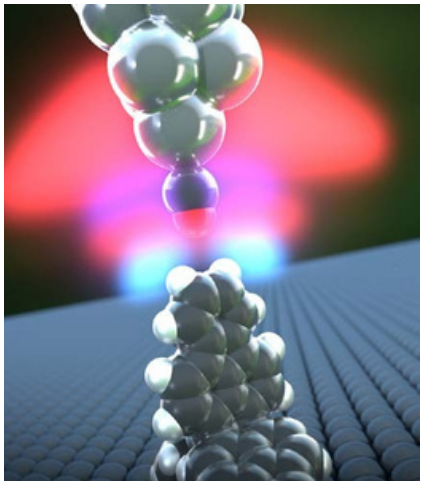
Research cooperation with companies

Cooperations in last 4 years: ABB Switzerland Ltd, Aigys AG, Alstom AG, BASF Schweiz AG, BRUGG CABLES INDUSTRY, Cellpack AG Packaging, CIS Pharma AG, Credentis AG, Dectris Ltd., DMS Nutritional Products Ltd., FGen GmbH, Gemalto AG, HeiQ Materials, Huntsman, INOFEA GmbH, InterAx Biotech AG, Jakob Härdi AG, leadXpro AG, Medicoat AG, Atesos Medical AG, Hager & Meisinger GmbH, Memo Therapeutics AG, Mems AG, Menhir Photonics AG, Omya International AG, QNAMI, Roche, Rolic Technologies Ltd., Synthes, TargImmune Therapeutics, WATERjet Robotics AG.

Key facts

Head count	156 network members
Nationalities	16
Bachelor students	53
Master students	47
PhD students	38
Professors	5 financially supported, 57 in the network
Spin offs	4 since 2013
Publications (Ø per year)	65
Patents (Ø per year)	1–3

Founded in 2006



A hydrogen bond forms between a propellane (lower molecule) and the carbon monoxide functionalized tip of an atomic force microscope.

Argovia professor Martino Poggio with his PhD student Simon Philipp.

Further information is available at www.nanoscience.ch/en

Source: SNI

Swiss TPH
Swiss Tropical and Public Health Institute

Swiss Tropical and Public Health Institute (Swiss TPH)

The Swiss Tropical and Public Health Institute (Swiss TPH) is a world-leading institute in global health with a particular focus on low- and middle-income countries. Associated with the University of Basel, Swiss TPH uniquely combines research, education, and services on a local, national, and international level. We aim to improve the health and well-being of people through a better understanding of disease and health systems and by acting on this knowledge.

Key competences

- Environment and health
- Health systems and interventions
- Infectious diseases
- Non-communicable diseases
- Society and health

Research cooperation with companies

Novartis, Merck, GlaxoSmithKline, Janssen, Lygature, Straumann (and many more).

Key facts

Head count (FTE)	907
Nationalities	82
Master students	55
PhD students	190
Postdocs	700
Professors	39 (Including Full, Associate, Titulary and PD professorships)
Publications (per year)	500
Patents	21

Founded in 1943

Swiss Tropical and Public Health Institute.

Swiss TPH has in-depth know-how in conducting clinical trials in low-resource countries.

Further information is available at
www.swisstph.ch/en

Source: Swiss TPH

University of Applied Sciences and Arts Northwestern Switzerland
School of Life Sciences

University of Applied Sciences and Arts Northwestern Switzerland (FHNW) School of Life Sciences

Founded in 2006

The FHNW School of Life Sciences is part of Europe's largest life sciences center and lies at the heart of pharmaceutical and medical technology, the chemical industry and environmental and biotechnology. It is here that they train skilled specialists and come up with solutions to the social and economic challenges of tomorrow. They are committed to developing new preventive and therapeutic products and services, improving people's quality of life and promoting a sustainable attitude to the environment.

FHNW School of Life Sciences in Muttenz.

Key competences

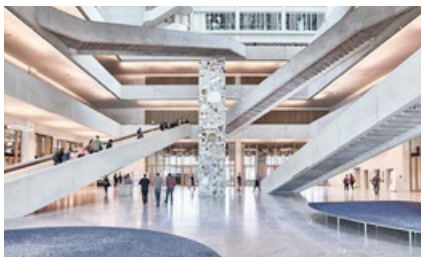
4 Institutes

Main research areas

- Institute for Chemistry and Bioanalytics
- Institute for Ecopreneurship
- Institute for Medical Engineering and Medical Informatic
- Institute for Pharma Technology

Research cooperation with companies

Adolphe Merkle Institut, BASF Schweiz AG, BioVersys AG, Bühlmann Laboratories AG, Bundesamt für Umwelt, CAMAG, Clariant AG, CSEM-Muttenz, Curaden AG, DSM Nutritional Products Ltd, EAWAG, EMPA, EPFL, ETH Zurich, HeiQ Materials AG, Huntsman Advanced Materials GmbH, F. Hoffmann-La Roche Ltd, KKS Ultraschall AG, Lonza AG, Novartis, Omya International AG, Paul Scherrer Institut, Polyphor AG, Siegfried, SKAN AG, Spirig Pharma Ltd, Universität Basel, Universität Bern, Universität Freiburg, Universität Zurich, Unispital Basel, Unispital Genf, ZHAW.



Entrance hall of the new building with the diagonal stairs and the art monolith in the middle.

Key facts

Head count (FTE)	202
Nationalities	20
Bachelor students	360
Master students	53
PhD students	22
Postdocs	38
Professors	31
Spin offs	3 since 2013
Publications (Ø per year)	50
Patents (2014-2019)	1

Further information is available at www.fhnw.ch/en/degree-programmes/ lifesciences

Source: FHNW

More

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