



## Bioservices

### A proficient network of knowhow to grow international markets

Bioservice companies are part of the rich fabric of the life sciences in the Western Switzerland region, providing valuable expertise and knowhow. Bioservices span the full business range from clinical research organisations (CROs) to next generation sequencing (NGS), through laboratories, clinical development and intellectual property consultants, to legal and financial specialists. The BioAlps region offers all the services inherent in bringing a product from idea to market, within easy reach.

**THE STRENGTH OF THE WESTERN SWITZERLAND REGION LIES IN ITS TIGHTLY KNIT COMMUNITY, AS WELL AS THE WIDE-RANGING INTERNATIONAL EXPERIENCE OF BOTH SCIENTISTS AND PROFESSIONALS INTERACTING WITH THE ALL SERVICES**

The strength of the Western Switzerland region lies in its tightly knit community, as well as the wide-ranging international experience of both scientists and professionals interacting with technology transfer offices, intellectual property consultants, manufacturing, research and clinical services hosted by the cluster. The academic life sciences core facilities in Geneva, Lausanne and Neuchâtel comprise state-of-the-art imaging,

genomics, bioinformatics, proteomics, animal models, clinical and epidemiological studies, biomolecular screening, flow cytometry, protein expression and chemical analysis. The University Hospitals of Geneva, Lausanne and Bern participate in numerous clinical trials sponsored by Swiss and international companies. All the academic institutions encourage innovation, and several have set up innovation parks to promote start-ups and spin-offs, such as the Innovation Park (PSE) in the Ecole polytechnique fédérale de Lausanne (EPFL). Other innovation parks such as Eclosion in Geneva, Y-Parc in Vaud, Neode in Neuchâtel, and the Ark in Valais are sponsored by the cantons.

The life science industry has access to Contract Research Organisations (CROs) in the BioAlps cluster, such as Frimorfo, SOCAR Research and Covance, which provide the full range of services from pre-clinical research to large scale international clinical trials. Contract Manufacturing companies such as Baccinex, BASF or Lonza each have a specialised area of activity, offering the life science industry world-class research, development and manufacturing from preclinical to commercial quantities. Beyond such multinational service companies, the BioAlps region also hosts intellectual property, patent, merger and acquisition, legal, financial and other experts and consultants, spanning disciplines and technologies for the greater benefit of the life sciences.

At the same time, start-ups such as Sophia Genetics are leveraging the new opportunities that next generation sequencing (NGS) offer, while more mature companies such as GeneBio offer Mass Spectrometry characterisation of proteins and small molecules as well as proteome imaging.



### **BACCINEX: LOCATION ENABLES FILL/ FINISH CONTRACT MANUFACTURING FOR THE WHOLE WORLD**

Managed by Dr Ursula Bausch, Baccinex was founded in 1999 in the Canton of Jura and GMP certified in 2004. Specialised in freeze-drying and liquid sterile dosage forms for clinical trials for biotech and pharmaceutical development companies, Baccinex operates as a contract manufacturing organization for aseptic filling (vials and ampoules), lyophilization, terminal sterilisation, clinical packaging (randomized labelling), quality control release testing, stability studies (and stability storage according to ICH conditions), GMP storage, and development activities (scale-up, formulation, freeze drying cycle development, GMP consulting). The company has a strong expertise in scaling up projects for commercialisation, notably in fill/finish and lyophilisation of small molecules and biological products in vials and ampoules. Baccinex's facilities and cold storage allow GMP storage of primary materials and finished products. Baccinex processes about 50-60 different clinical projects each year and produces products for commercialization too. The company's geographic location in the BioAlps region enables it to organise worldwide shipments of samples, finished products or clinical trial supplies.

A POOL OF EXPERIENCED AND HIGHLY QUALIFIED PROFESSIONALS

From idea to worldwide markets, the BioAlps region hosts research institutions, teaching and research hospitals, technology centres, service companies and expert consultants who all provide an environment conducive to research and development. The “can do” attitude of entrepreneurs to harness the wide array of expertise offers unparalleled prospects for those in search of opportunity.

The lists below are non exhaustive and showcase some examples of the work being done in the region. Find more information in our extensive database: [bioalps.org/community/](http://bioalps.org/community/) and, for the six alpine regions, [alpslifesciencesearch.com](http://alpslifesciencesearch.com)

ACADEMIC INSTITUTIONS AT THE FOREFRONT OF BIOSERVICES IN WESTERN SWITZERLAND

To access the whole range of bioplatforms within the region’s academic institutions:

Ecole Polytechnique fédérale de Lausanne <b>EPFL</b>	Technology Transfer Organisms: TTO EPFL	<a href="http://tto.epfl.ch">tto.epfl.ch</a>
University of Fribourg <b>UNIFR</b>	TechTransfer Fribourg	<a href="http://tt-fr.ch">tt-fr.ch</a>
University of Neuchâtel <b>UNINE</b>	TT Neuchâtel	<a href="http://unine.ch/unine">unine.ch/unine</a>
University Hospital of Lausanne <b>CHUV</b> University of Lausanne <b>UNIL</b>	PACTT Technology Transfer UNIL-CHUV	<a href="http://pactt.ch">pactt.ch</a>
University of Geneva <b>UNIGE</b> University Hospitals of Geneva <b>HUG</b> University of Applied Sciences <b>HES-SO</b>	UNITEC (UNIGE & HUG & HES-SO Geneva)	<a href="http://unige.ch/unitec">unige.ch/unitec</a>
Swiss Center for Electronics and Microtechnology <b>CSEM</b>	Technology Transfer CSEM	<a href="http://csem.ch">csem.ch</a>
University of Bern and Bern University Hospital (Inselspital) <b>UNIGE and HUG UNIL and CHUV</b>	Clinical Trials Units Clinical Research Center (CRC) Clinical Research Center (CRC) Clinical epidemiology center (Cepic)	<a href="http://scto.ch">scto.ch</a>
Swiss Institute of Bioinformatics <b>SIB</b>	Bioinformatics resource portal ExPASy	<a href="http://isb-sib.ch/index.php">isb-sib.ch/index.php</a>
University of Fribourg <b>UNIFR</b>	Fribourg Center for Nanomaterials (FriMat)Adolph Merckle Institute (AMI)	<a href="http://frimat.unifr.ch/en/page/29/www.am-institute.ch/industry">frimat.unifr.ch/en/page/29/www.am-institute.ch/industry</a>
University of Lausanne <b>UNIL</b>	Vaccine Formulation Laboratory World Health Organization (WHO) Collaborating Centre	<a href="http://unil.ch/ib/page81028.html">unil.ch/ib/page81028.html</a>
University of Applied Sciences Western Switzerland ( <b>HEPIA / HES-SO</b> )	Bio-engineering, micro devices for diagnostic	<a href="http://bio-ingenierie.ch/Quoi_Axes.html">bio-ingenierie.ch/Quoi_Axes.html</a>
University of Applied Sciences Western Switzerland ( <b>ITV / HES-SO Valais</b> )	Microbiological, biochemical and genetic analyses process and methods validation, biomass / biomolecules production, peptide and proteins technologies	<a href="http://itv.hevs.ch">itv.hevs.ch</a>

SAMPLING LIST OF LARGE AND SMALL BIOSERVICE COMPANIES IN THE BIOALPS CLUSTER

<b>BACCINEX</b>	Fill and finishing of sterile lyophilized or liquid dosage forms	<a href="http://baccinex.com">baccinex.com</a>	<b>LONZA</b>	Biotechnology and pharmaceutical products, services, and research	<a href="http://lonza.com">lonza.com</a>
<b>BACHEM</b>	Process and manufacturing of peptides and complex organic molecules (APIs)	<a href="http://bachem.com">bachem.com</a>	<b>NV LOGISTICS</b>	Worldwide life science logistics management	<a href="http://nvlogistics.com">nvlogistics.com</a>
<b>COVANCE</b>	Biotech and pharmaceutical drug development services	<a href="http://covance.com">covance.com</a>	<b>PIXON ENGINEERING</b>	Process development through the engineering, up to the execution with its final qualification / validation	<a href="http://pixon-ch.com">pixon-ch.com</a>
<b>CELLNTEC</b>	Innovative culture media, 2D and 3D in vitro models	<a href="http://cellntec.com">cellntec.com</a>	<b>PRECLIN BIOSYSTEMS</b>	In vivo preclinical testing platform for the identification and validation of lead candidate therapeutics	<a href="http://preclinbiosystems.com">preclinbiosystems.com</a>
<b>EPITHELIX</b>	In vitro human reconstituted human respiratory cells for research	<a href="http://epithelix.com">epithelix.com</a>	<b>SELEXIS</b>	Drug discovery, cell line development and scale-up to manufacturing	<a href="http://selexis.com">selexis.com</a>
<b>EXCELLGENE</b>	Services in the field of improved processing from gene to large scale manufacturing of proteins	<a href="http://excellgene.com">excellgene.com</a>	<b>SOCAR RESEARCH</b>	Integrated and comprehensive services for the design, management and conduct of phase I/IV clinical trials	<a href="http://socar.ch">socar.ch</a>
<b>FASTERIS</b>	Next-generation and Sanger DNA sequencing services	<a href="http://fasteris.com">fasteris.com</a>	<b>SOPHIA GENETICS</b>	Bioinformatics analysis, visualization and banking of patient NGS data	<a href="http://sophiagenetics.com">sophiagenetics.com</a>
<b>FRIMORFO</b>	Preclinical contract research organization: efficacy studies and genotyping	<a href="http://frimorfo.com">frimorfo.com</a>	<b>SWISSFILLON</b>	Automated filling line for vials, syringes and cartridges	<a href="http://swissfillon.info">swissfillon.info</a>
<b>GENEBIO</b>	Software for characterizing small molecules, proteomics, proteins database and flow	<a href="http://genebio.com">genebio.com</a>	<b>UNILABS</b>	Complete laboratory analysis services from sampling to testing and analysis	<a href="http://unilabs.ch">unilabs.ch</a>
<b>INTERLABOR BELP</b>	Chemical, physical, microbiological and molecular-biological analyses	<a href="http://interlabor.ch">interlabor.ch</a>	<b>VALTRONIC</b>	Provider of engineering, industrialization and manufacturing for Class II & III medical devices	<a href="http://valtronic.com">valtronic.com</a>

The fact sheet provides a view of the key players in the sector at any given time; it is not comprehensive and is subject to regular updates. This current edition was updated in Autumn 2019.