



Latvijas
Biotehnoloģijas
Asociācija

ASSOCIATION OF BIOTECHNOLOGY OF LATVIA



Association of Biotechnology of Latvia (ABL) was created as the first Latvian biotech network in 2006. The country's long experience and traditions, the availability of highly qualified specialists, cost efficiency, high competence in R&D and a developing manufacturing base are the factors that form an excellent foundation for business and innovative activities in Latvia's biotech sector.

Like all over the world, in Latvia, the main applications of biotechnological methods and products are food processing, biomedicine, agriculture, environment protection and design of equipment.



Creating critical mass by clustering

The main aim of the ABL is to promote the development of biotechnology in Latvia by clustering of academia, governmental bodies and industry in joint projects, by participation in the international projects, by joint representation of their members in meetings and exhibitions, by promoting of education of young specialists in biotechnology and related fields, and by rising of public awareness on biotechnology in the society.

International cooperation

Several of the initiators behind the ABL are already involved in the ScanBalt www.scanbalt.org network.

ABL is also member of European Federation of Biotechnology.

The participation in EU cooperation projects is priority of ABL to promote Latvian biotechnology integration in Europe.

ABL now participate in ScanBalt EU co-funded project "Bridging Life Science Research and SME's in the Baltic Sea Region Putting Cluster Policies into Practise for the Benefit of SME's" (in short Bridge-BSR) and in project "Modular education for interdisciplinary Systems Biology (MOSBIO).

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Latvian SME using biotechnological methods in manufacturing and service

<i>The direction of the biotechnology</i>	<i>The most significant companies</i>	<i>Web page</i>
The medical and pharmaceutical biotechnology	Biolat Pharmidea Asla-Biotech Genera Anima Lab Silvanols	www.biolat.lv www.pharmidea.lv www.asla-biotech.com www.genera.lv www.animalab.lv www.silvanols.lv
The ecological biotechnology	Bioefekts BAO Eko osta	www.bioefekts.times.lv www.bao.lv www.ekoosta.lv
The design and manufacturing of the biotechnological equipments	Biosan Biotehniskais centrs Biotechnomica Elmi	www.biosan.lv www.bioreactors.net www.biosan.lv www.elmi-tech.com
The industrial biotechnology	Jaunpagasts Plus Latvijas Balzams	www.jpplus.lv www.lb.lv

Research and education organisation, which activities are connected with biotechnology

<i>Organisation name</i>	<i>Research and education activities</i>	<i>Web page</i>
Latvian Biomedical Research and Study Centre (BMC)	<ol style="list-style-type: none"> 1. Cloning and expresion of viral genomesand genes; 2. Development of recombinant scale-up laboratory for production of recombinant GMP products; 3. Human genome research, Latvian genome centre; 4. Advanced training courses in molecular and cell biology and biomedicine. 	www.biomed.lu.lv
Institute of Microbiology and Biotechnology, University of Latvia	<ol style="list-style-type: none"> 1. Metabolism regulation and bioenergetics; 2. Bioconversion and biorefinery of agricultural raw materials; 3. Food and biofuel biotechnology; 4. Environmental microbiology and biotechnology. 	www.lu.lv/instituti/mbi
Laboratory of bioanalytical methods at University of Latvia	<ol style="list-style-type: none"> 1. Post-graduate research training in steam cell and elaboration of innovative cell biology protocols; 2. Agrobiotechnology studies of the diversity within the gene pool of the major Latvian field vegetables and to develop molecular marker systems. 	http://biosafety.lu.lv
Latvian State institute of Wood Chemistry	<ol style="list-style-type: none"> 1. Biodegradation of wood materials; 2. Bioengineering aspects of bioreactors: Mixing, Bioprocess control, The optimization of fermentations 	www.woodchem.lv
Riga Stradins University Laboratory of biochemistry	<ol style="list-style-type: none"> 1. Pro- and antioxidant's and antioxidative enzymes biochemistry; 2. Cosmetic dietology; 3. Integrative medicine studies. 	www.rsu.lv
Riga Technical University	<ol style="list-style-type: none"> 1. The research and development of biomaterials (bioceramics,biotextile, etc) and ecological materials (sorbents, building materials); 2. The Wastewater treatment by using biotechnological methods,the application of biofilms; 3. The studies of Bioengineering and Environmental engineering. 	www.rtu.lv
Latvia University of Agriculture	Biogas production technologies, renewable energy resources, agrobiotechnology, environmental biotechnology, food biotechnology.	www.llu.lv
Research Institute of Biotechnology and Veterinary Medicine "SIGRA"	Investigations on animal food products. New kinds of plant medicines for animals treatment in organic farming. Vaccines for domestic animals treatment.	www.sigra.lv
Mechanical and Technological college of Olaine	The study programs for environmental protection, food quality control and biotechnology. It is only colleague in Eastern and Central Europe, where the biotechnology study program is applied.	www.omtk.lv