



# Biotechnology in Estonia

**Estonian Biotechnology  
Association**



# Estonian Biotechnology Association

- **Founded in 2003 by a joint initiative of biotechnology companies and research institutions**
- **Aim to support the balanced development of the biotechnology sector**



## EBio: activities

- Sector support
- Sector representation
- One-off projects



## EBio: members

- **Currently 19 members**
  - 13 Companies
  - 4 Research organizations
  - 2 Supportive organizations

Asper Biotech Ltd	genetic testing, custom genotyping projects	<a href="http://www.asperbio.com/">http://www.asperbio.com/</a>
LabAs Ltd	producing, purifying and labeling of mono- and polyclonal antibodies	<a href="http://www.labas.ee/">http://www.labas.ee/</a>
Celecure Ltd	drug discovery and development of novel anticancer drugs	<a href="http://www.celecure.com/">http://www.celecure.com/</a>
Competence Centre for Cancer Research	development and implementation of technological platforms for early diagnostics of cancer, research and development of new generation cancer drugs	<a href="http://www.vtak.ee/">http://www.vtak.ee/</a>
Competence Centre of Food and Fermentation Technologie	development of methods for food quality improvement	<a href="http://www.tftak.org/">http://www.tftak.org/</a>
Estonian Genome Foundation	support the development of gene technology in Estonia	<a href="http://www.genomics.ee/">http://www.genomics.ee/</a>
Estonian Genome Project Foundation	database of health, genealogy and genome data of the Estonian population	<a href="http://www.geenivaramu.ee/">http://www.geenivaramu.ee/</a>
FIT Biotech Oyj Plc. Estonian branch	Gene Transport Unit (GTU®) technology and GTU® product applications in DNA vaccination as well as in immuno- and gene therapies	<a href="http://www.fitbiotech.com/">http://www.fitbiotech.com/</a>
Inbio Ltd	custom antibody services and peptide synthesis, cell-membrane penetrating antibody technologies and diagnostic and therapeutic intrabodies, contract research services for preclinical research	<a href="http://www.inbiolabs.com/">http://www.inbiolabs.com/</a>
National Institute of Chemical Physics and Biophysics	fundamental and applied research and engages in the development of the novel directions in material sciences, gene- and biotechnology, environmental technology, and computer science	<a href="http://www.kbfi.ee/">http://www.kbfi.ee/</a>
Quantum Ltd	laboratory equipment, maintenance	<a href="http://www.quantum.ee/">http://www.quantum.ee/</a>
Quattromed Ltd.	Molecular diagnostics and pharmaceutical research	<a href="http://www.quattromed.com/">http://www.quattromed.com/</a>
Quattromed Cell Factory	Technology for fast&efficient production of recombinant proteins in mammalian cells	<a href="http://www.quattromed.com/">http://www.quattromed.com/</a>
Quattromed HTI Laboratories	Medical diagnostics	<a href="http://www.laborid.ee/">http://www.laborid.ee/</a>
Quintiles Estonia OY	pharmaceutical services, clinical trials	<a href="http://www.quintiles.com/">http://www.quintiles.com/</a>
Solis BioDyne Inc	producing and developing high-quality reagents	<a href="http://www.sbd.ee/en/">http://www.sbd.ee/en/</a>
Tallinn University of Technology	gene technology, genomics and proteomics, molecular biology, molecular diagnostics	<a href="http://geen.ttu.ee/?lang=en">http://geen.ttu.ee/?lang=en</a>
Tartu Biotechnology Park Ltd	biotechnology incubator	<a href="http://www.biopark.ee/">http://www.biopark.ee/</a>
Werol Tehased Ltd	feed protein and food oil	<a href="http://www.werol.ee/">http://www.werol.ee/</a>



## Biotech in Estonia

- State investments into science in the 70s
- First spin-offs in the 2nd half of the 90s
- Two main centres – Tartu and Tallinn
- Strong contacts with Nordic countries
- Main competences in red biotech

## Biotech in Estonia (2)

- **Biotechnology defined as a priority area by the state**
- **Benefitting from generic measures**
- **Favourable economic environment**
- **Human resource**



## Biotech in Estonia: research

- More than 15 research organizations
- Employing approx 300 people
- Leading organizations:
  - National Institute of Chemical Physics and Biophysics
  - Tallinn Technical University
  - Estonian Biocentre
  - University of Tartu
  - Estonian University of Life Sciences



# Biotech in Estonia: enterprises

- 40 companies
  - 15 core biotech companies
- Approx 200 employees
- Biggest companies in diagnostics, pharmaceutical research & genetic tests

## Biotech in Estonia: companies (2)

- **Quattromed**
  - molecular and clinical diagnostics
  - Products: antibodies, enzymes, FITKit
  - Protein production
- **Celecure Group**
  - Drug discovery and development
  - Custom antibody services, peptide synthesis
  - Laboratory and equipment supplies
  - Cancer clinic

## Biotech in Estonia: companies (3)

- **Asper Biotech and Asper Ophthalmics**
  - Genetic tests
  - Ophthalmics
  - Microarray slides
- **Solis BioDyne**
  - Molecular biology reagents

# For more information:



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[www.biotech.ee](http://www.biotech.ee)