Institute of Genomics, University of Tartu

We are empowering the field of genomics

As a leading authority in the field of genomics in Estonia and one in Europe as well, our mission is to accelerate the development both in the scientific and medical areas that improve human health. Thanks to our unique database – Estonian Biobank – we are an attractive and trustworthy partner in international research projects around the world.

A multidisciplinary approach to genomics research

We are contributing to transdisciplinary research and application based on omics research and methods. Together, we are answering questions about how our DNA shapes individual aspects of health and disease. We also study how evolutionary processes have created the genetic diversity of human populations and thus also find out more about our ancestries.

Estonian Biobank

The Estonian Biobank has established a population-based biobank of Estonia with a current cohort size of more than **200,000 individuals**, reflecting the age, sex and geographical distribution of the adult Estonian population.

Considering the fact that about **20% of Estonia's adult population** has joined the programme, it is indeed a database that is very important for the development of medical science both domestically and internationally.

The Estonian Biobank has been fully genotyped using Illumina genotyping array, which contains more than 700,000 SNP markers and includes specific variants of the Estonian population. This data helps to identify people with different disease risks and why medicines affect them differently. This information can be the basis for the application of personalized medicine in Estonia.

We are open to both academic and industry cooperation to enable scientific discoveries and improve human health. Estonian Biobank provides data for researchers to meet the challenge of greater understanding, prevention, and treatment of a range of different diseases.

If you have any questions or would you like to start a collaboration, contact us (info.genomics@ut.ee). Together we will find the best way to move forward.