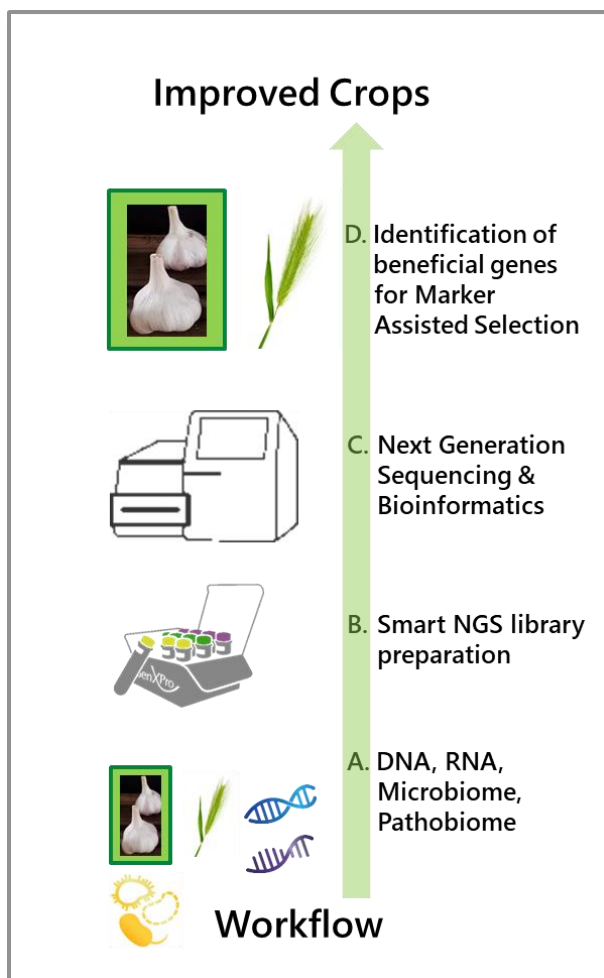


GenXPro GmbH was founded in Frankfurt am Main in 2005 by molecular biologists / botanists from the Goethe University Frankfurt. The basis was a patent for digital gene expression analysis. Over the years, the portfolio has been expanded to include complex genetic analyses, epigenetics, non-coding RNA, microbiome and associated bioinformatic analyzes for molecular biological questions in a wide range of disciplines in the life sciences, with a particular focus on plant molecular biology. An important milestone was the patenting of special barcode adapters (UMIs) for detecting PCR artifacts in NGS data. The know-how about the production of quantitatively accurate NGS libraries has been incorporated into the development of special NGS kits for RNA and small RNA analyses, which represent an important pillar of the company. GenXPro has customers worldwide from a wide range of areas of life sciences. In addition to medical research, agricultural research is an important field of activity for us. Customers in the agricultural sciences particularly benefit from our cost-efficient MACE-Seq method for the simultaneous analysis of gene expression and the determination of molecular markers for targeted breeding. Furthermore, from our broad knowledge in the field of bioinformatics, especially in non-model organisms. We also offer **genome sequencing**, **smallRNA-seq**, **Methyl-seq** and **microbiome analyzes** for plant research/breeding, including bioinformatic evaluation.

We successfully implement solutions to answer the questions of our project partners:



- Rapid and cost-effective identification of thousands of gene-specific markers
- Identification of introgressive genes and resistance genes
- Analysis of responses to biotic and abiotic stresses
- De novo sequencing with the highest efficiency
- Genotyping by sequencing
- Marker-Assisted-Selection (MAS)
- High-resolution genome mapping

In addition, we work with our customers to develop optimized analyzes and bioinformatic solutions tailored to the problem. Our many years of successful collaboration with academic and commercial partners in plant research are also reflected in a number of scientific publications. These can be found at <https://genxpro.net/publications/>