



*Genetwister Technologies B.V. is an innovative Dutch biotechnology company, with an international position in commercially applied biotechnology of agri- and horticultural crops. Genetwister is an expert in identification and isolation of molecular markers for marker-assisted breeding, genetic modification and diagnostics using high throughput sequencing, expression profiling and functional genomics. Genetwister develops its own proprietary software for database management, data-analysis and data-mining.*

## **Quantitative Geneticist**

Within Genetwister Technologies the development and implementation of new marker-assisted breeding tools is a major activity. Statistical genetics, experimental design and data analysis leading to gene/trait discovery are vital instruments to support the breeding programs of our customers. Currently, we are expanding our activities in these fields and we are looking for a dynamic and skilled quantitative geneticist to explore and implement new methods in the field of quantitative plant genetics.

### **YOUR POSITION**

You will be engaged in integrative analysis of phenotype data and state of the art genomic data (e.g. NGS sequencing, high-throughput genotyping) in various crops. You will be responsible to provide input on statistics and quantitative genetics and to perform throughout analysis of datasets that are regularly used in this field (MAS, GWAS and GS). Development of new breeding strategies and technical implementation of those strategies to facilitate efficient data analysis is an important part of your job. You will work within a team of specialists in bioinformatics, molecular biology, phytopathology and plant breeding.

### **YOUR PROFILE**

- MSc/PhD degree in quantitative genetics/statistics or a related field;
- Ambition to work with new experimental methodologies resulting from pioneering research;
- Profound knowledge of R and able to design effective pipelines to perform data analysis.
- Excellent understanding of genetic principles and modern molecular plant breeding techniques (QTL analysis, linkage and association studies, as well as principles underlying Genomic Selection)
- Good understanding and familiar with software algorithms for data analysis.
- Knowledge of breeding practices in a commercial setting is a pro;
- Dynamic and inspiring personality with excellent communication skills;
- Eager to keep your professional knowledge on a high level and share your knowledge with colleagues;

Genetwister is able to offer you a challenging job in an innovative commercially applied research environment.

Additional information can be obtained from Dr. Henri Heuven, Head Quantitative Genetics, email: [h.heuven@genetwister.com](mailto:h.heuven@genetwister.com). Please send your letter of application and curriculum vitae to Ms. D.E.M. Carmiggelt, Genetwister Technologies B.V., P.O. Box 193, NL 6700 AD Wageningen, The Netherlands, e mail: [info@genetwister.com](mailto:info@genetwister.com).