



*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, diagnostics using high throughput sequencing, expression profiling functional genomics and genomic selection. Genetwister develops its own proprietary software for database management, data-analysis and data-mining.*

## **Quantitative Geneticist**

Genetwister Technologies B.V. is looking for a Quantitative Geneticist to join its team in the field of Genetics and Breeding in Wageningen, The Netherlands. The mission of the Genetics and Breeding Group at Genetwister is to enhance the breeding craft of our customers with a focus on providing beneficial information, tools and methodology that support breeding decisions. The development and implementation of new marker-assisted breeding tools in the field of quantitative plant genetics 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.

### YOUR POSITION

Your position is focused on three different aspects:

#### *1. Perform quantitative genetic analyses*

You will be engaged in integrative analysis of phenotypic and genomic data in various crops. You will provide input on the statistical genetics method of choice, and perform analyses accordingly. An important aspect of the job is the translation of the project results into information that can be applied and integrated in the breeding programs of our customers.

#### *2. Expand analytical infrastructure*

You will search for and test new tools and methods for solving breeding related challenges our customers are facing. Together with the rest of the team you will select the most appropriate, and make them practically applicable. Attending courses and conferences will help you to keep up with the developments in the field.

#### *3. Being a project leader*

Most research at Genetwister is organized in projects. Your third task will be becoming a project leader of a few of our projects, and requires involvement in a project from the start until the end. A typical project will involve each of our four fields of expertise: molecular genomics, bioinformatics, quantitative genetics and breeding, and software development. As a project leader you will be the contact person and be responsible for the (reporting of the) results and progress.

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## YOUR PROFILE

- MSc / PhD degree in plant breeding;
- Have a keen interest in the bridge between science and application;
- Good understanding of quantitative genetic principles and breeding techniques (QTL analysis, linkage and association studies, as well as quantitative genetics, and principles underlying Genomic Selection);
- Able to program in different languages (e.g. R / Python) and able to learn new languages if needed;
- Experience with working in Linux;
- Good communication skills;
- Team player that can assist colleagues and asks for help when needed.

## WHAT WE CAN OFFER

Genetwister is able to offer you a challenging job in an innovative commercially applied research environment. You will work in a research-oriented team consisting of people with different backgrounds. The mission of the Genetics and Breeding Group at Genetwister is to enhance the breeding craft of our customers with a focus on providing beneficial information, tools and methodology that support breeding decisions. If you are interested to use your academic background to help us achieving this mission, please contact Kimm Martens-van Hulzen ([K.Martens@genetwister.nl](mailto:K.Martens@genetwister.nl)) for more information.

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