



## Genetic Modeling

**Seeking a member for the molecular breeding team to be responsible for the development of algorithms and applications for use by scientists in genomics and molecular-marker-assisted breeding.**

This position will require interacting with scientists involved in molecular-marker-assisted breeding, plant breeding, biometry, and genomics. The candidate will be responsible for understanding the nature and needs of the user community and **developing corresponding mathematical algorithms and appropriate requirement specifications for needed software solutions.** Understanding of genetic phenomena and statistical approaches classically used for the analysis of genetic data will be necessary. Application of professional software development methodology will be required in the design, development, troubleshooting and debugging of these software solutions. Besides being involved in developing software solutions arising from the above-mentioned specifications, the candidate will be in charge of providing or organizing appropriate training and support for their use.

Qualifications include a PhD or equivalent in **bioinformatics, applied mathematics** or a related field, or extensive experience in **modeling.**

Practical knowledge of mathematical programming languages (including a strong knowledge of Fortran) is essential. Experience of using statistical analysis packages, notably Splus, would be a further advantage. Ability to work in a team environment, excellent listening and communication skills are also required.

Position is based near Toulouse, in the South-West of France. It will require national and international travel, especially within Europe. Proficient use of English is essential. Working knowledge of French is a plus.

*Syngenta is the world's leading agribusiness company operating across all major areas of crop protection and seeds. Syngenta has more than 20,000 employees worldwide and major research and manufacturing facilities located in more than 20 countries worldwide.*

To apply, please send cover letter and resume marked "Modeling" by e-mail to: [michel.ragot@syngenta.com](mailto:michel.ragot@syngenta.com)

Or by post to: M.Ragot, Syngenta Seeds, BP27, F-31790 Saint-Sauveur, France

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