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Plant tomorrow's ideas.



Scientist (m/f/d) Quantitative Genetics (m/f/d)

We are looking for a Quantitative Genetics Scientist (m/f/d) for Sugarbeet and Cereals for a permanent employment contract, on a full-time basis within KWS SAAT SE & Co. KGaA at our headquarters in Einbeck (Lower Saxony / Germany).

In this position, you will work closely with the global sugar beet and cereals breeding and breeding technology application teams. You will have the opportunity to contribute to the development and application of innovative predictive breeding tools.

Your responsibilities:

- Ensure and optimize application support in data analytics and biostatistics across multiple crops to drive breeding program success and increase rate of genetic gain.
- Develop a deep understanding of crop-specific data analysis needs based on breeding strategy and operations
- Critically evaluate and continually expand quantitative genetics capabilities to improve breeding programs.
- Maintain a strong understanding of scientific developments related to data analysis methods.

Your tasks:

- Works independently to perform standard quantitative genetic analyses, including using mixed linear models to analyze phenotypic data, performing genomic predictions, analyses for cross planning, and monitoring genetic gain and genetic diversity.
- Proactively develops, optimizes and automates data analysis pipelines and systems in collaboration with other biostatisticians and members of the Breeding Information and Digital Product Management teams.
- Works closely with the Biostatistics and Digital Product Development teams to identify, test and implement innovative methods related to breeding program optimization, data-driven decision making, statistical analysis, simulation, algorithmic optimization.
- Regularly reviews emerging literature related to the implementation and validation of data analytics.
- Participate in collaborative scientific projects with public institutions

Your Profile:

- Ph.D. in agricultural sciences with a focus on plant breeding and quantitative genetics, biostatistics
- Few years of postgraduate experience in a relevant field (e.g. quantitative genetics, biostatistics)
- Experience with hybrid crops is a plus
- Passion for data analysis and ability to work with large data sets, including proficiency in related statistical software (R, Python, ASReml)
- Strive for value-added solutions in multidisciplinary teams
- Project management and good communication skills (English is a prerequisite, professional knowledge of German would be a plus)

Let's peek at how you can grow your well-being, health, and future at KWS!

- As a Scientist (m/f/d), you will contribute significantly to the success of the breeding department and the development of excellent varieties.
- As a family-owned company, we live a culture based on the values of team spirit, closeness and trust, independence and foresight.
- True to our motto "Make yourself grow", we encourage individual professional and personal development.
- We create the right environment for you: Capital formation benefits, company pension plan, Christmas and holiday bonuses, childcare allowance, company bike.

Advance your career and grow with KWS! We look forward to receiving your digital application via our job portal.

KWS ist eines der führenden Pflanzenzüchtungsunternehmen weltweit. Knapp 5.000 Mitarbeiter in mehr als 70 Ländern erwirtschafteten im Geschäftsjahr 2023/2024 einen Umsatz von rund 1,68 Mrd. Euro. Seit fast 170 Jahren wird KWS als familiengeprägtes Unternehmen eigenständig und unabhängig geführt. Schwerpunkte sind die Pflanzenzüchtung und die Produktion sowie der Verkauf von Zuckerrüben-, Mais-, Getreide-, Gemüse-, Raps- und Sonnenblumensaatgut. KWS setzt modernste Methoden der Pflanzenzüchtung ein, um die Erträge der Landwirte zu steigern sowie die Widerstandskraft von Pflanzen gegen Krankheiten, Schädlinge und abiotischen Stress weiter zu verbessern. Um dieses Ziel zu realisieren, investierte das Unternehmen im vergangenen Geschäftsjahr mehr als 300 Mio. Euro in Forschung und Entwicklung. Weitere Informationen: www.kws.de/karriere/. Folgen Sie uns auf LinkedIn® unter <https://linkedin.com/company/kwsgroup/>. Unsere Datenschutzrichtlinie für Bewerber*innen finden Sie unter www.kws.com/dataprotection. Bitte wählen Sie das Land und gegebenenfalls den spezifischen Geschäftsbereich der Stelle aus, auf die Sie sich beworben haben.