Dr. Esther Johnson wants to make the world a better place – for everyone. As a lab head at Bayer, Esther knows she is doing just that. Searching for solutions and never giving up. That is the passion that unites all of us at Bayer. We call it the Bayer Spirit. If you feel it, too, then it is high time we had a chance to talk about a career at Bayer.

Scientist Wheat Crop Genetics (m/f)

The plant biotechnology Innovation center of Bayer in Ghent is part of Bayer CropScience NV in Diegem. The Ghent site has 350 employees and is an important research and development center of the CropScience Seeds division of the Bayer group. Bayer CropScience – Seeds is a leading international player in the research, development and marketing of agricultural and vegetable seeds with added value traits. The innovation and product development in Ghent is focused on agricultural crops such as oilseed rape, cotton, rice and wheat. Bayer CropScience - Seeds has more than 2700 employees worldwide. The headquarters of Bayer CropScience are in Monheim, Germany. The company has more than 20.700 employees in more than 120 countries.
In the Ghent Innovation center, the innovation and commercialization process of improved plant varieties are being streamlined by integrating plant biotech research and global business support functions – such as legal, intellectual property, quality analysis & control and regulatory.

Job description
Bayer CropScience is seeking an experienced and motivated Scientist to join our Wheat Crop Genetics team in Gent, Belgium. The Scientist will develop, manage and participate within ongoing and future projects that apply genomics and molecular breeding tools to wheat improvement. The Scientist will support, design, and lead projects that generate and integrate phenotypic and genotypic data to identify the molecular basis of native traits for their use in crop improvement. The selected candidate will implement state of the art applications and analyses and be expected to identify and maintain an evolving toolbox.

The incumbent will:
-Develop and manage projects to identify the genetic basis of native trait variation in wheat
-Identify, evaluate, establish, and implement genotyping/sequencing solutions and associated data analysis strategies
-Provide genotyping and data analysis support for wheat molecular breeding projects
-Interact with breeders and trait research teams in shared efforts develop higher yielding wheat
-Remain aware of current and cutting edge developments in the fields of wheat genetics and high-throughput genotyping
-Travel as needed, domestically and internationally

Your qualifications
The selected candidate is required to possess the following qualifications:

-PhD with minimum of 4 years relevant experience in plant genetics and molecular breeding (or MS and equivalent by experience)
-Relevant experience in quantitative genetics, mapping, marker-trait association, high-throughput genotyping
-Analytical skills in handling and analyzing large data sets efficiently
-Creative and flexible thinking
-Proficient verbal, written, and presentation skills in English. Proficient in MS Office Applications
-Proficiency in statistics software and bioinformatics

Any of the following qualifications would be an advantage:
-PhD in the area of Plant Breeding and Genetics, expertise in wheat is a plus
-Experience with genetic mapping of complex traits in crops
-Experience with Next Gen Sequence Data Analysis
-Diverse experience with sequence management, assembly and annotation, variant detection
-Extensive and up-to-date knowledge of bioinformatics data sources, software and packages
-Strong statistical skills; experience with the R programming and command-line computing
-Laboratory experience with high-density genotyping and Next Gen Sequencing
-Demonstrated ability to work in a team environment and the ability to adapt to the atmosphere of a dynamic global research organization

Your application
We offer a competitive salary with benefits package in an innovative and international environment. Our teams are amongst the best in the industry. Teamwork, entrepreneurship, drive, a passion to learn and to share knowledge, respect for sustainable development and integrity are our most precious values. Our international and interdisciplinary work environment offers a range of possibilities to motivated, qualified people with excellent interpersonal and organizational skills.

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