KeyGene is one of the largest agro-biotech companies in the world. KeyGene delivers sustainable molecular genetic responses to the world's need for stability in the yield, quality and health of crops. KeyGene develops and provides cutting edge and proprietary molecular breeding technologies and innovative trait platforms for accelerated crop improvement. KeyGene is an internationally renowned R&D company with long term partners in both the vegetable crops and in the field crops. Our primary focus is on 6F[1] crops. KeyGene has its headquarters in Wageningen, the Netherlands, a subsidiary in Rockville, USA and a Joint Lab at the Shanghai Institute of Biological Sciences in Shanghai, China.

To support KeyGene's vision of sequence based breeding, a set of proprietary applications, based on Next-Generation Sequencing platforms, has been developed. The analysis of NGS datasets, development of new bioinformatics methods and building application specific software, require strong input and a central position from KeyGene's Bioinformatics team within the company.
To strengthen the Sequence Applications Group within the Bioinformatics and Modeling department, Keygene is looking for a highly motivated and talented

BIOINFORMATICIAN
Sequence Applications
Vacancy number 14.005

Position

As a bioinformatician you will play an important role in the analysis and method development of NGS applications in the field of plant biotech and breeding. This includes technologies such as *de novo* assembly, reference mapping, variation detection and sequence-based genotyping with data from state-of-the-art machines like the HiSeq2500 and PacBio sequencers. Working in close collaboration with researchers and scientists from other research groups, you will support communication and delivery of results to our customers.

Your profile

- A bachelor or masters degree in bioinformatics;
- Experience with working in a LINUX environment;
- Basic knowledge of genetics and genomics is essential;
- Advanced programming skills (fluent in at least one scripting language like Perl or Python);
- Excellent knowledge and hands-on experience with common bioinformatics methods and tools;
- Enthusiastic team-player with good communication skills and a project-oriented attitude.
- Ambition to work in a pioneering research environment;
- It is a pre when candidates have experience with:
  - o Analyses of NGS data (*de novo* sequence assembly, reference mapping, marker discovery and genotyping);
  - o Use of parallel computing on clusters, grid or cloud infrastructure;

KeyGene offer

KeyGene offers you a dynamic and responsible job with competitive remunerations and career development perspective, in a vibrant, highly innovative and ambitious research company, with an internationally recognized position in plant genomics research. You will be able to work at the forefront in this field and build on our cutting-edge facilities for high-performance computing and high-tech laboratory infrastructure.

More information

Additional information can be obtained from Antoine Janssen, Program Scientist Sequence Applications, tel. +31 317 466866, or email aj@keygene.com.If you are interested in this position you can send your letter of application and resume before April 15, 2014 to: Keygene N.V. Attn. Ms A. Philipsen, VP Personnel & Organization , P.O. Box 216, 6700 AE Wageningen, the Netherlands or by email: ap@keygene.com. Please mention the vacancy number 14.005 in your letter of application. **www.keygene.com**

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[1] 6F: Food, Feed, Fiber, Fuel, Flower, Fun