The Tsiantis Group in the Department of Comparative Development and Genetics at the Max Planck Institute for Plant Breeding Research (http://www.mpipz.mpg.de/226344/tsiantis-dpt) is seeking a post-doctoral scientist in the area of

Computational Modelling of Development

The Department investigates problems of plant development and evolution. The successful applicant will contribute to research projects aimed at understanding plant morphogenesis and its diversity. Key areas of interest are to understand how genetic networks influence cell growth and patterning to produce diverse organ morphologies and how self-organizing processes shape tissue growth. For recent relevant work by the group see:


We are seeking a scientist who has shown excellent abilities in using computer science to understand morphogenesis, particularly through the use of physically-based models. Strong programming skills are required and knowledge of C++ is desirable. Experience with the creative use of biological imaging data to support quantitative studies of development would be an advantage. A demonstrable ability to collaborate smoothly in the context of interdisciplinary projects involving internal and external collaborations is essential as are good record keeping skills and the ability to write clearly. The position will initially be for two years and a renewal is also possible. Payment and benefits will depend on age and experience. The position would suit early stage researchers who will typically have recently completed or about to complete a PhD and have no more than 2 years of post-doctoral experience.

Interested candidates are invited to send applications consisting of:

i. a brief cover letter explaining their background and motivation for applying for this post and detailing how they feel their skills can enrich the group’s activities,

ii. a full CV including the contact details of two referees
as a **combined pdf** document (your_name_computational.pdf) including your cover letter and CV, to Dr. Ismene Karakasilioti (applications.tsiantis@mpipz.mpg.de), until **30 September 2019**. Please, mark the message subject as **post-doc computational**. Incomplete applications will not be considered. Only shortlisted candidates will be contacted.

The Max Planck Society is committed to increasing the number of individuals with disabilities in its workforce and therefore encourages applications from such qualified individuals. Furthermore, the Max Planck Society seeks to increase the number of women in those areas where they are underrepresented and therefore explicitly encourages women to apply.

The Max Planck Institute for Plant Breeding Research (MPIZ) in Cologne (http://www.mpipz.mpg.de/2169/en) is one of the world's premier sites committed to basic research and training in plant science. The institute has four science departments, three independent research groups and specialist support, totaling 400 staff including externally funded positions.