



## POST-DOCTORAL RESEARCH FELLOW IN COMPUTATIONAL GENOMICS

- Appointment: 2 years
- Salary: TVöD pay scale E13 (100%; 3657-5523€ pre-tax)
- Job Reference: 2Blades-CompAnnot

### **Job description**

A post-doctoral position is available for a computational biologist to undertake research in the area of comparative genome annotation. The research will involve the automation of several hundred genome (re-)annotations using a comparative approach. A particular focus will be on the integration of large-scale transcriptomic datasets to annotate complex gene families such as NLR resistance genes across a variety of different plant species. Candidates with a background in phylogenomics/computational biology/mathematics/statistics and experience in genome annotation and advanced high-throughput genomics are particularly encouraged to apply.

### **Background**

Our team includes a wide range of expertise from molecular genetics and applied genomics to computational biology. The long-term goal of our research is to understand the molecular mechanisms and the evolution of adaptive traits. Many of our projects take advantage of the advanced in-house sequencing center, which provides direct and early-stage access to the latest long read technologies (Pacific Biosciences, Oxford Nanopore) as well as more established Illumina short read platforms. We use these for a range of applications, especially the assembly of hundreds of genomes and of complex genome mixtures from the environment. Read more on our website at <http://weigelworld.org>.

### **Your qualifications**

Candidates should have a PhD in a relevant discipline (Computer Science, Bioinformatics, Evolutionary Biology etc). Good programming skills in at least one language (e.g. Bash, R, Perl, C, C++) is essential. Previous experience in analysis of next generation sequencing data, genome annotation, whole genome alignments, transcriptomics and phylogenomics is highly desirable. An interest in genome-scale integration of expression and epigenomics datasets is highly desirable.

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, and 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.

For further information contact Detlef Weigel ([weigel@tue.mpg.de](mailto:weigel@tue.mpg.de)) or Felix Bemm ([bemm@tue.mpg.de](mailto:bemm@tue.mpg.de)).

Closing date: Monday May 1, 2017