



20 September 2022

The Max Planck Institute for Biology, a research institute of The Max Planck Society, is situated in Tübingen, a quaint and bustling university town in southwestern Germany. The Swart laboratory seeks a:

### Part-time bioinformaticist (35%) (f/m/d)

#### Job description:

In collaboration with Prof. (emeritus) Dieter Ammermann, we seek to produce a complete macronuclear (MAC) genome assembly for the ciliate *Stylonychia lemnae*, and search for potential genes involved in mating type determination of these organisms. The task will be to integrate Pacific Biosciences HiFi long reads together with Illumina short reads to produce a complete assembly. Some programming will be necessary to cluster, integrate and refine genome assemblies, since current genome and transcription assembly approaches alone perform poorly for the non-standard, highly fragmented genome architecture of this organism. After a high-quality assembly has been obtained, the goal will be to search for strain-specific differences in related MAC genomes, including absence/presence of nanochromosomes.

#### Qualifications:

We seek a candidate with a biology Bachelor's degree, some computer science background, good programming skills, proficiency with the Unix command line, and experience with high-performance cluster computing. A good understanding of molecular biology and genomics is a must. Proficiency in Python programming and/or other scripting languages is also needed. Fluency in English is essential.

#### We offer:

The position is on offer from 3 October 2022. The successful candidate will be offered an initial contract of 4 months with the possibility of extension. Your salary and benefits will be based on the German TVÖD regulations (TVÖD Bund).

The Max Planck Society is an inclusive, equal opportunity employer. Individuals with disabilities will be given priority, assuming equal qualifications, and are thus encouraged to apply. The Max Planck Society seeks to increase the number of women in those areas where they are underrepresented and therefore also explicitly encourages women to apply.

#### Closing date: 23 Sept 2022

Please email your application to [estienne.swart@tuebingen.mpg.de](mailto:estienne.swart@tuebingen.mpg.de) with [bioinformaticist MAC genome] in the subject line, preferably as a single PDF file.

Alternatively, post may be directed to:

Dr Estienne Swart, Max Planck Institute for Biology, Max-Planck-Ring 5, 72076 Tübingen/Germany