



GEORG-AUGUST-UNIVERSITÄT  
GÖTTINGEN

The Group of Dr. Nico Posnien at the Department of Developmental Biology of the Georg-August-University of Göttingen invites applications for a fully funded

## PostDoc Position (all genders welcome)

starting **from November 1, 2020** for the duration of **one year**. The salary is in accordance with the German public service salary scale (E13 TV-L) at 100% of the regular working hours (currently 39.8 hours per week).

### Background and aim of the project:

We study the evolution of *Drosophila* head shape and compound eye size (e.g. see [here](#)) to contribute to a better understanding of the molecular basis of the morphological diversity. The

PostDoc project will focus on interspecific differences in head development between *D. americana* and *D. novamexicana* and it builds on prior phenotypic and genetic data. The major aim of the project is revealing interspecific differences in developmental gene expression and chromatin accessibility using an already available extensive RNAseq and ATACseq dataset.

Expression and accessibility data will be integrated with genome wide association mapping (GWAS) data (see [here](#)) to link variation in gene regulation to phenotypic differences.

Additionally, the impact of various inversions that are present between *D. americana* and *D. novamexicana* (see [here](#)) on gene regulation and phenotypic differences will be tested.

### Your profile:

- PhD in Biology, Bioinformatics or related fields
- Experience with Next Generation Sequencing (NGS) data is expected
- Background in Bioinformatics, Statistics and strong analytical skills is expected
- Experience with molecular biology (cloning, PCR) and/or *Drosophila* genetics is advantageous

### What we offer:

The University of Göttingen is part of the interdisciplinary [Göttingen Campus](#) that offers a vital environment for basic research and a well-organized PostDoc community. The University of Göttingen is an equal opportunities employer and places particular emphasis on fostering career opportunities for women. Qualified women are therefore strongly encouraged to apply in fields in which they are underrepresented. The university has committed itself to being a family-friendly institution and supports their employees in balancing work and family life. The mission of the University is to employ a greater number of severely disabled persons. Applications from severely disabled persons with equivalent qualifications will be given preference.



Please send your application (motivation letter, CV, academic certificates and transcript of records, as well as contact information of 1-3 references) as a **single pdf file** to [nposnie@gwdg.de](mailto:nposnie@gwdg.de).

**Closing date for applications: August 23, 2020.** For further information visit our website (<https://www.posnien-lab.net/>) or contact me via Email ([nposnie@gwdg.de](mailto:nposnie@gwdg.de)).

#### **Please note:**

With submission of your application, you accept the processing of your applicant data in terms of data-protection law. Further information on the legal basis and data usage is provided in the [Information General Data Protection Regulation \(GDPR\)](#).