

The group of Professor Daniel J. Jackson in the Department of Geobiology at the University of Göttingen (Germany) is offering the following position:

Full time Post-doctoral position (100% TV-L 13)

The application deadline is 6 April, 2026.

The position is a fixed term position available for 3 years (starting June 2026).

The molecular mechanisms by which metazoans construct biomineralised structures are of great interest to a variety of scientific disciplines (evolution, materials science, cellular biology, development), however little is known about the details of these processes. A postdoctoral position is available within the research group of Professor Daniel J. Jackson to identify and characterise the molecular mechanisms that fabricate these structures, pigment and pattern them. We primarily use the molluscan model system *Lymnaea stagnalis* to investigate the process of shell formation, and are actively developing methods to better understand the functional genetics and evolution of this process.

This position requires an individual with strong molecular biology skills and familiarity with the analysis of large computational datasets such as transcriptomes and whole genomes. Lab skills (such as RNA extraction, cloning and in situ hybridization) and bioinformatic skills (for example the ability to write Perl, Python, R and shell scripts, to install and use command line programs and use high performance computing clusters) are highly desirable. Familiarity with maintaining (and repairing) aquarium systems and working with live aquatic animals is also highly desirable. Familiarity with the maintenance and operation of liquid handling robots would be an advantage.

The applicant will also have the opportunity to teach undergraduate and Masters level courses within the framework of a degree in "Ecosystem Management". A teaching portfolio that can be adapted to this theme would be advantageous. Ideally, the individual will have experience with teaching the application of molecular and bioinformatic tools to the characterisation and management of natural populations. The supervision of Bachelor, Masters and PhD students is also expected.

Candidates should hold a doctorate in evolution, cell biology, developmental biology, molecular biology, or a related field. In addition to their academic qualifications, candidates should have excellent communication, record keeping, organisational and team-working skills, be committed to the topic and to working in a dedicated, interdisciplinary research environment.

The working language of the group is English, and applicants from abroad are encouraged to apply. For international applicants a willingness to learn German should be demonstrated.

All applications should be made in English, and must include the following 3 items (incomplete applications will not be considered):

1. A full academic CV including any published or unpublished academic work.
2. A 1-2 page letter outlining the candidate's research interests and motivation for applying to this position.
3. Letters of reference and the contact details of 2-3 referees (ideally previous supervisors).

Applications must be made via the University job portal at:

<https://obp.uni-goettingen.de/en-us/OBF/Index/76291>

For more information about the Jackson group see:

<http://www.uni-goettingen.de/en/102705.html>