



The Max Planck Institute for Multidisciplinary Sciences is a leading international research institute of exceptional scientific breadth. With more than 40 research groups and some 1,000 employees from over 50 nations, it is the largest institute of the Max Planck Society.

The department of *Tissue Dynamics and Regeneration* (Dr. Jochen Rink) invites applications for positions as a

Postdoc (f/m/d)
- gene regulatory basis of planarian regeneration -

About us

We study the fascinating ability of planarians to regenerate complete animals from tiny tissue pieces. We conduct worldwide field expeditions and as a result, maintain a unique live collection of planarian species with a wide range of regenerative abilities. We have also established planarian genome sequencing/assembly pipelines and now have available multiple chromosome-scale genome assemblies of different species. In conjunction with our CHIP and ATACseq protocols, this amounts to exciting opportunities for investigating the mechanistic basis of regeneration, the salient changes that render species regeneration-deficient, and the mechanistic trade-offs that ultimately drive the gain and loss of regeneration abilities. We are a young, international department and English is our working language.

About the positions

We are looking for talented Postdoctoral researchers that share our fascination with regeneration. Current project opportunities include (but are not limited to) the exploration of:

- The gene regulatory basis of head/tail specification via *ATAC and CHIPseq*.
- De-convolving the contributions of different cell types to regeneration by *single-cell sequencing* approaches.
- Comparative analysis of head regeneration defects via *comparative scSeq and ATACseq*.
- *Comparative genomics* of regeneration and regeneration defects.

Your Profile

- You hold a PhD in a relevant life sciences subject.
- You have a proven track record in one or more of the following: scSeq, CHIPseq, ATACseq, Hi-C, comparative genomics; structural genome variance analysis.
- You are passionate about basic research and you are not afraid of pursuing your questions beyond the current scientific frontier.
- You are self-motivated and independent and enjoy being part of an international and interdisciplinary work environment.

We offer

- Inspiring world-class research environment.
- Possibility to participate in worldwide field expeditions.
- Professional training, networking, and career-development opportunities; free language courses.
- On-site health management: free fitness and yoga room, sports groups, beach volleyball league, and courses for a "moving lunch break".
- A wide range of opportunities to balance work and family life, including an on-campus kindergarten and vacation care.



- Proximity to the historic town center of Göttingen with rich cultural opportunities and a vibrant student scene.
- Beautiful, green surroundings that are great for running, hiking, cycling, and other outdoor activities.

Recruitment

The positions are available immediately, but the exact start date is flexible. The payment and benefits are based on the TVöD (wage agreement for public service personnel) guidelines. Positions are initially limited to two years with a possibility of extension. Applications for independent fellowships are encouraged and actively supported.

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. The Max Planck Society strives for gender and diversity equality. We welcome applications from all backgrounds.

How to apply

Please submit your application including a cover letter, CV, publication record, and the contact addresses of 3 referees as a single document, preferably as a PDF file. Please make sure that the cover letter clearly states your motivation for joining the department, the question that particularly fascinates you, and the relevant research experience that you can bring to bear. Review of applications will begin immediately and continue until all positions are filled. Please submit the file to:

ausschreibung15-23@mpinat.mpg.de

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Information pursuant to Article 13 DS-GVO on the collection and processing of personal data during the application process can be found on our website below the respective job advertisement.

