

Position Opening

The Center for Computational and Theoretical Biology at Julius-Maximilians-Universität Würzburg (JMU), Germany, is inviting applications for a

Postdoc Position

The position will be available to start as soon as possible (latest 2025-09-01) and will be fixed term for a period to end on 2027-02-28. The position is full time. While the position is full time, candidates wishing to work part time may also be considered (if full-time work can be ensured through job sharing). Remuneration will be based on the collective agreement for the public service of German federal states (*Tarifvertrag für den öffentlichen Dienst der Länder, TV-L*).

Duties/responsibilities:

- Development of a fitness landscape model for Fabry Disease
- Quantitative estimation of fitness based on genetic variants
- Finding imaging-biomarkers that correlate with fitness in Fabry Disease
- Integration of phenotyping data from automated image analysis
- Connecting the fitness proxies to theoretical models of fitness landscapes

Qualifications:

- A PhD in biology, mathematics, computer science, physics, or comparable (required)
- Experience in computational biology (preferably genomic data handling and image analysis)
- Programming skills in python, julia, R or similar
- Strong communication skills and interest in interdisciplinary work
- Knowledge about the theoretical models of fitness landscapes and their analysis (beneficial)

What we offer:

- An exciting, collaborative, interdisciplinary and international working environment
- Good compatibility of work and family life

The JMU aims to reduce the underrepresentation of women and therefore explicitly encourages qualified women to apply. Severely handicapped applicants will be given preferential consideration in the case of broadly equal suitability, ability and professional achievements.

Please send your convincing application and supporting documents - preferably by email – to

Dr. Markus Ankenbrand – markus.ankenbrand@uni-wuerzburg.de

Center for Computational and Theoretical Biology, Klara-Oppenheimer-Weg 32, 97074 Würzburg

The closing date for applications is 2025-07-01.

Please do not send any original documents to us; only send photocopies. As we need to save costs, we will not be able to return your documents to you. They will be shredded shortly after a hiring decision has been made. If you enclose a postage-paid return envelope, we will return your application documents to you three months after a hiring decision has been made.

