



UNIVERSITÄT  
BAYREUTH

Dept. Experimental Physics I  
*Physics of living matter*  
Prof. Dr. Matthias Weiss

The Department of Experimental Physics I at the University of Bayreuth, Germany invites applications for

## 2 PhD student positions (m/f/d)

in the area of Biological Physics / Biophysics with a particular focus on

- 1) **self-organization and non-equilibrium phenomena in cells and tissues**
- 2) **development and application of lightsheet microscopy in the context of embryogenesis, tissue organization, and biofabrication**

The lab's research is focused on elucidating physicochemical principles of life, e.g. dynamic self-organization processes in living matter, using advanced light microscopy methods (incl. lightsheet microscopy), microfluidics, and computational approaches (see [www.ep1.uni-bayreuth.de/en/research](http://www.ep1.uni-bayreuth.de/en/research) for details).

Candidates should have an interest in interdisciplinary work, which is supported on-site by an interdisciplinary PhD program (BayNAT) and the *Elite Study Program on Biological Physics*. A Masters/Diploma degree in Physics, Biophysics, Physical Chemistry, (Optical) Engineering, or Cell/Molecular Biology (with additional qualifications in Physics) is expected. **Starting dates for a contract that covers 4 years can be as soon as 10/2021, salary according to TV-L.**

Applications from handicapped persons will be favored when all other qualifications are equal. The University of Bayreuth is an equal opportunity employer and we therefore especially encourage women to apply.

**Please send inquiries and meaningful applications (CV and a brief motivation letter) at the earliest convenience to: [sekretariat.ep1@uni-bayreuth.de](mailto:sekretariat.ep1@uni-bayreuth.de)**

