

A recently established Chair of *Mathematics in Life Sciences* at the Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU) and at the Max-Planck-Zentrum für Physik und Medizin in Erlangen (Germany) is looking for outstanding candidates to fill several

Ph.D. and Postdoctoral positions.

Our group develops and applies methods of theoretical physics to understand complex biological phenomena ranging in scale from DNA molecules to multi-cellular systems. As a part of the recently founded interdisciplinary Max-Planck-Zentrum für Physik und Medizin, which is a joint effort of FAU, FAU Universitätsklinikum, and the Max-Planck-Institute for the Science of Light, we will be contributing to the exciting research at the interphase of physics, biology and medicine. Possible research projects include but are not limited to:

- phase-separation mechanisms of chromatin organization
- mechano-micro-biology of bacterial colonies
- stochastic models of cell motility
- physics of dormancy
- biophysics of immunology

We are looking for excellent candidates with expertise in the areas of theoretical, statistical, mathematical and bio-physics, or applied mathematics and computer science with strong interest in biology, who enjoy interdisciplinary work.

Applications including cover letter, curriculum vitae, list of publications, and statement of research interests should be submitted via e-mail as a single pdf file. Along with submitting your application, please also arrange for at least two reference letters to be sent. Application documents, recommendation letters as well as any inquiries about the positions should be sent to Prof. Vasily Zaburdaev (Vasily.Zaburdaev@fau.de). Applications will be accepted until the positions are filled.

FAU is a member of “The Family in Higher Education Institutions” best practice club and also aims to increase the number of women in scientific positions. Female candidates are therefore particularly encouraged to apply. In case of equal qualifications, candidates with disabilities will take precedence.

For more detailed information about the group positions please visit:
<https://mathlife.nat.fau.de>.

