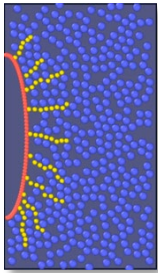


1 PhD position (75% TV-L E13) in the group of Prof. Dr. Vasily Zaburdaev (EBM Project C01)

Our Chair of **Mathematics in Life Sciences** (<https://www.mathlife.nat.fau.de/>) at the Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU) develops and applies methods of statistical physics to understand complex biological phenomena. As a part of the recently founded interdisciplinary Max-Planck-Zentrum für Physik und Medizin (<https://www.mpzpm.de/>) we are contributing to the exciting research at the interphase of physics, biology and medicine.

We are currently looking for an excellent candidate with interest in the areas of **theoretical, statistical, mathematical and bio-physics, or applied mathematics and computer science** with a strong interest in biology and who enjoys interdisciplinary work, to join the following project:



Cell-matrix interactions in neuronal development

As a part of the truly interdisciplinary Collaborative Research Center “*Exploring brain mechanics*” (EBM: <https://www.crc1540-ebm.research.fau.eu/>) in project C01, we investigate how the biophysical interactions of neurons and the surrounding extracellular matrix affect brain development and function. We focus on the theoretical models addressing this phenomenon during neuronal network formation and neuronal organoid growth.

To apply: Send a cover letter, curriculum vitae, list of publications via e-mail as a single PDF file. Please also arrange for at least two reference letters. Application documents, recommendation letters 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.