

Postdoctoral Researcher in Super-Resolution Microscopy

We are seeking a Postdoctoral Researcher at the Department of Biotechnology and Biophysics, University Würzburg, headed by Markus Sauer. The group is well known for developing single-molecule sensitive fluorescence methods with a special focus on single-molecule localization microscopy by dSTORM.

The successful candidate will be responsible for 3D single-molecule localization and lattice light-sheet microscopy development and applications in various interdisciplinary projects. The postholder will also be involved in the development of software tools and algorithms to collect and analyze large data sets, and work in close collaboration with PhD students and other researchers at the Department. A description of the different research activities and skills of the group can be found under <https://www.super-resolution.de>.

We are offering a two-year contract that can eventually be extended.

The ideal candidate should possess a doctorate in physics, biophysics, or related fields, and have experience in super-resolution microscopy, ideally in lattice light-sheet microscopy and data analysis. Expertise in single-molecule instrumentation and single-molecule fluorescence microscopes is essential. Experience in molecular biology and fluorescence labeling is desirable.

Candidates should have a strong publication record, excellent communication skills and able to work effectively within an interdisciplinary group.

Please direct enquiries to Markus Sauer (m.sauer@uni-wuerzburg.de)

You will be required to send a statement of research interests, CV, copies of two representative publications and details of three referees as part of your application.