

PhD Position in Advanced Fluorescence Microscopy

Topic

Within the **CRC 1324 (Mechanisms and Functions of Wnt Signaling)**, we use light-optical fluorescence microscopy to study molecular interactions in cells, tissues and organisms that are involved in the Wnt signaling pathway. Our research is focused on the development and application of novel techniques based on super-resolution fluorescence microscopy (STED/PALM) as well as light sheet microscopy. We study fast dynamics with a wide array of quantitative analysis methods (SPT, FCS, FRET, FLIM, FRAP).

Candidate

We are looking for excellent applicants with a Master's degree in physics/biophysics who are strongly committed to the development of optical instruments, careful biophysical experimentation and computer-based quantitative data acquisition and analysis.

Contact

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