



PhD position in 3D super resolution microscopy

The field of fluorescence microscopy is undergoing **a revolution** in speed and spatial resolution allowing for more and more new discoveries within the life sciences. The research group of Ilaria Testa (<http://www.testalab.org/>) at the International Scientific Hub for Life Science in Stockholm SciLifeLab (www.scilifelab.se/researchers/ilaria-testa) and KTH focuses on pushing the limits of high-resolution fluorescence microscopy by utilizing novel concepts in microscopy, biophysics and biotechnology. Our team is now planning and designing **a new microscope** for high speed 3D volumetric imaging of brain cells and tissue samples and we are looking for a student interested in pursuing this challenge alongside our more experienced researchers.



The student we seek has a **engineering or physics background** and a genuine interest in field such as microscopy, electronics and signal processing. The project will involve practical design and building of optical and electronic systems (the microscope), but can also be expanded to include additional theoretical work such as simulations and mathematical modeling according to the student interest. The Institute is very international and Sweden offer several benefit for PhD students. If you interested or looking for more information, don't hesitate to contact us.

Prof.

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