

Stefan Jakobs studied biology at the University of Kaiserslautern and the Institute of Science and Technology at the University of Manchester (UK). He completed his PhD in 1999 at the MPI for Plant Breeding Research and the John Innes Centre in Norwich (UK). Subsequently, he joined the laboratory of Stefan Hell at the MPI for Biophysical Chemistry in Göttingen, where he was the first to apply STED super-resolution microscopy to cell biology.

His laboratory develops novel strategies to automate super-resolution microscopy, aiming to broaden its use among pathologists and other researchers. A major focus is on applying advanced microscopy techniques to investigate the molecular mechanisms that govern mitochondrial gene expression and the nanoarchitecture of mitochondria in health and disease.

Stefan Jakobs is a Full Professor at the University Medical Center Göttingen, leads a research group at the MPI for Multidisciplinary Sciences, and, since 2021, heads the Göttingen Fraunhofer Site for Translational Neuroinflammation and Automated Microscopy.