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## **Superresolution Optical Microscopy**

Guest Editors:

## **Message from the Guest Editors**

Dear Colleagues,

Prof. Dr. Christoph Cremer

Prof. Dr. Rainer Heintzmann

Prof. Dr. Jennifer Lippincott-Schwartz

Deadline for manuscript submissions: closed (30 April 2017) Presently, a variety of methods exist that overcome the hundred-year-old theoretical limit for the resolution potential of light microscopy (of about 200 nm for visible light), which for many decades has precluded a direct glimpse of the molecular machinery of life. In this Special Issue, we plan to summarize the state of the art from the methodological point of view, and to address some of the challenges still to be resolved before the SRM approaches will be fit to bring about the revolution envisaged in biology, medicine, and the material sciences. In this context, contributions to these subjects are welcome to include optical, physico-chemical, technical and image processing topics.

Prof. Dr. Christoph Cremer Prof. Dr. Rainer Heintzmann Prof. Dr. Jennifer Lippincott-Schwartz *Guest Editor* 



