

2014

Eric Betzig, Stefan W. Hell, W. E. Moerner



Nobelpriset i kemi 2014



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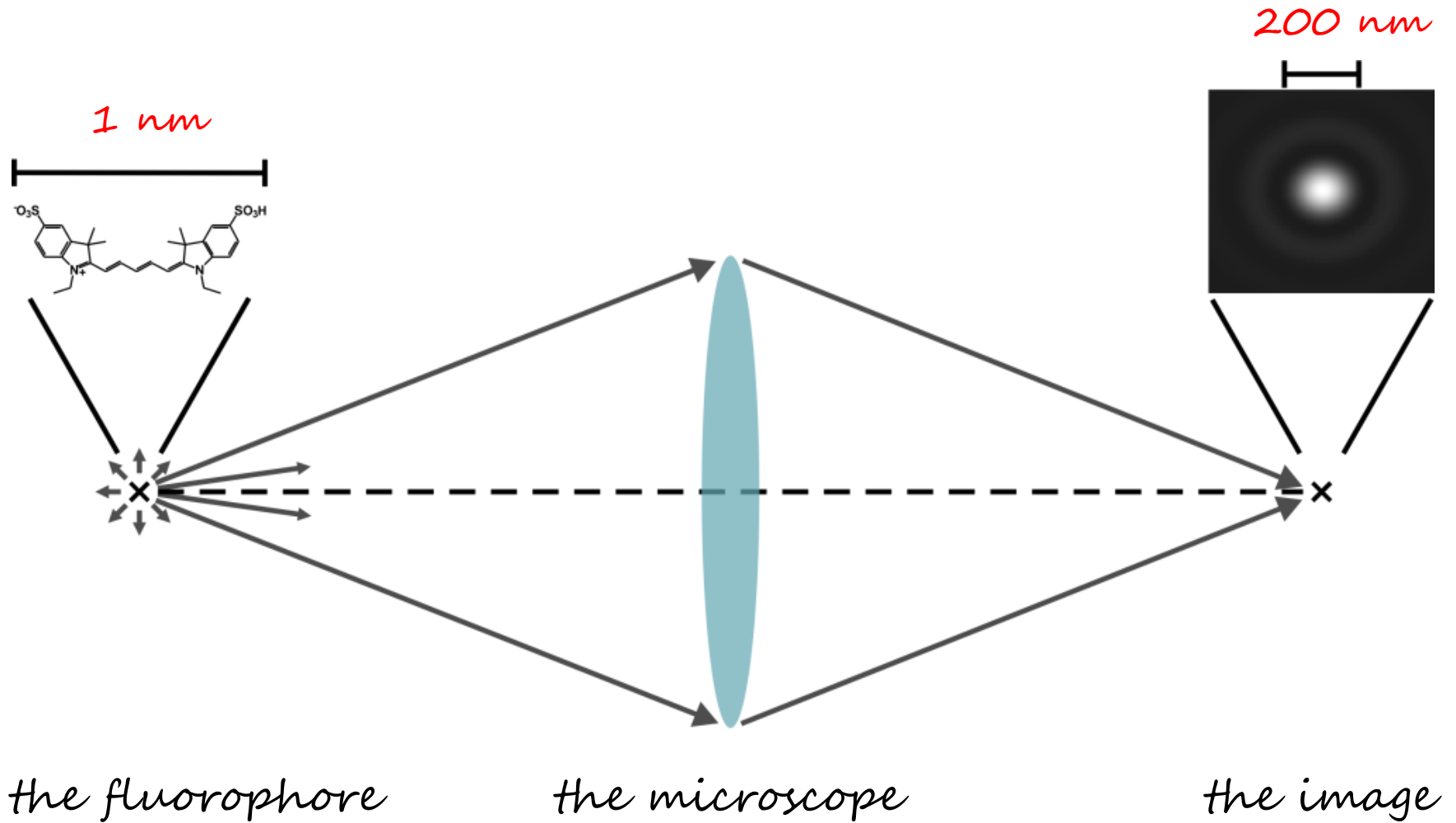
"för utveckling av superupplöst fluorescensmikroskopi"
"for the development of super-resolved fluorescence microscopy"

Oktober 2014 © Kungl.

Scientific Background on the Nobel Prize in Chemistry 2014

SUPER-RESOLVED FLUORESCENCE MICROSCOPY



A simplified view of a microscope





fluorophore




image


250 nm




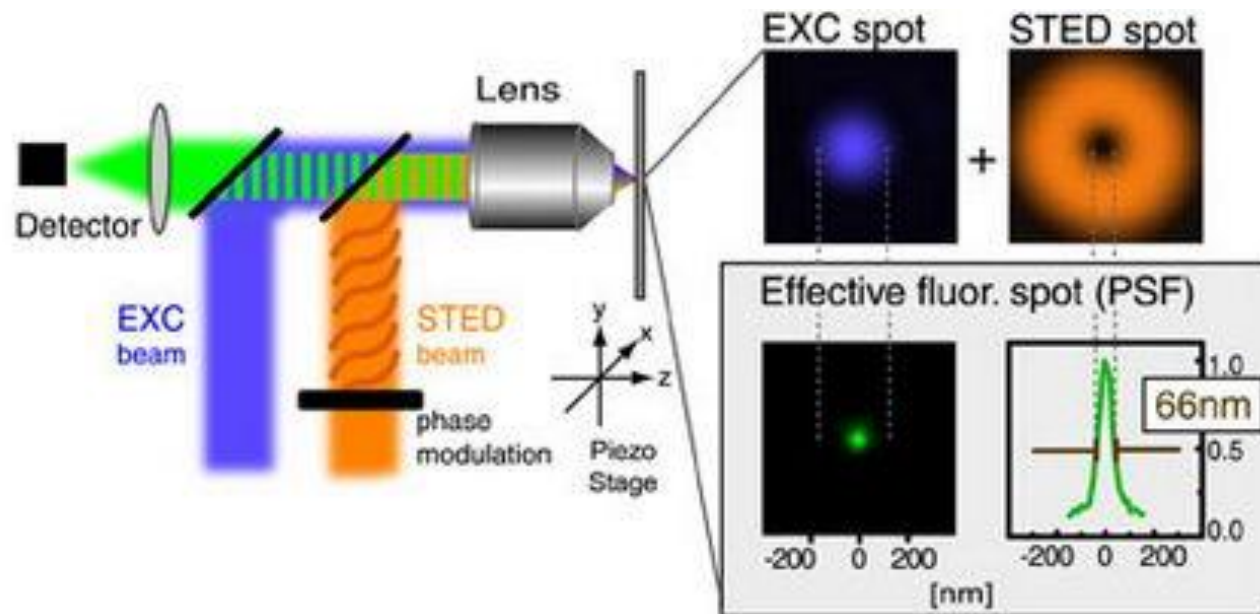

image

STED

Stimulated-Emission Depletion (STED)

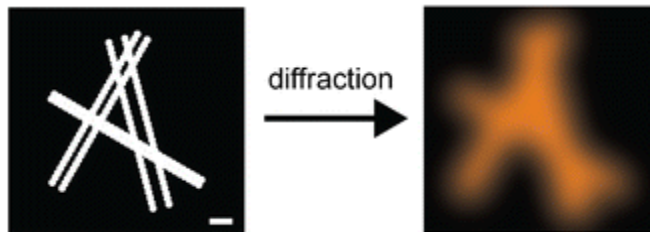


Stefan W. Hell

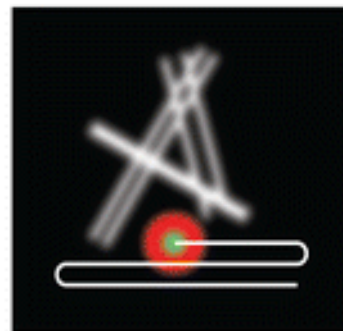
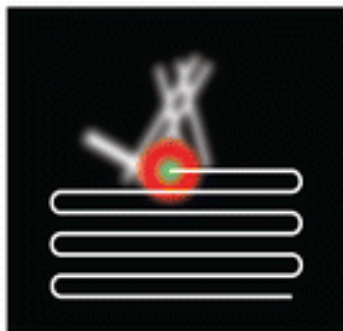
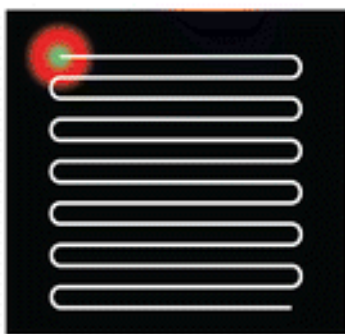


Stimulated-Emission Depletion (STED)

STED



STED



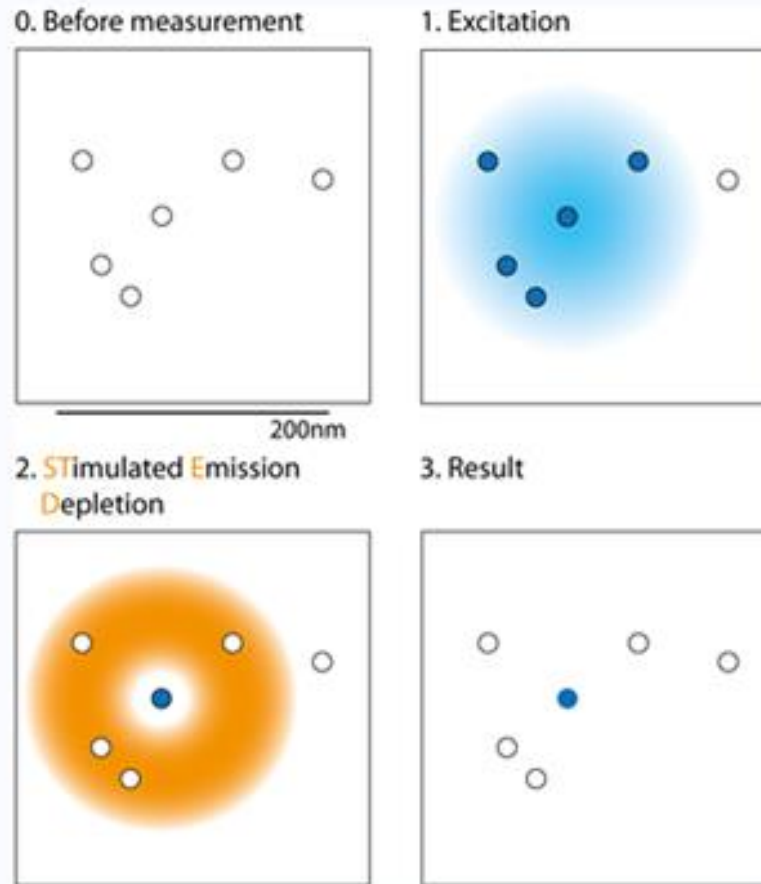
[Anal Bioanal Chem.](#) 2016 Oct;408(25):6885-911. doi: 10.1007/s00216-016-9781-8. Epub 2016 Sep 9.

From single molecules to life: microscopy at the nanoscale.

[Turkowsky B](#)¹, [Virant D](#)¹, [Endesfelder U](#)².

Stimulated-Emission Depletion (STED)

STED



Stimulated-Emission Depletion (STED)

STED

