

Super-Resolution Microscopy

What you should have learned and understood

Diffraction of waves and the diffraction-limit of light microscopy

Deterministic and stochastic super-resolution microscopy methods

Stimulated emission depletion (STED) microscopy

(Direct) stochastic optical reconstruction microscopy (d)STORM

Light-sheet microscopy

Expansion Microscopy (not covered for time reasons; see instead David Stegner's Topics lecture 5.11.)