Good resolution: diffraction limit **NOT** exceeded (λ < length-scale)

ultraviolet light: ~0.1 μm

1 μm

"True" Image   Probe Light   "Eye" Image
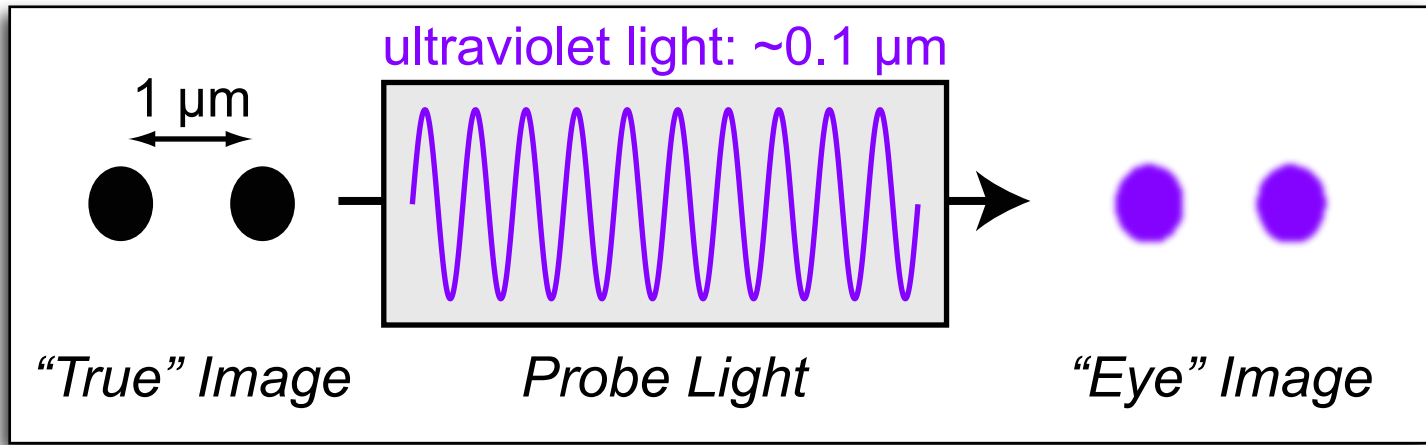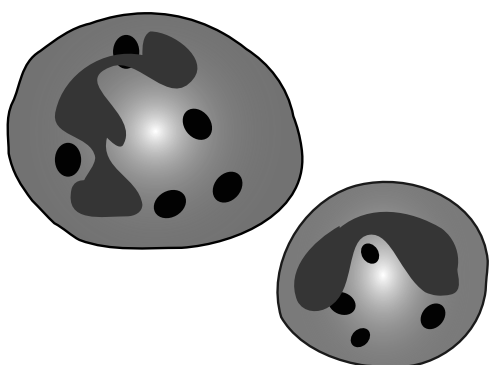
Poor Resolution: diffraction limit **IS** exceeded (λ > length-scale)

infrared light: ~10 μm

1 μm

"True" Image   Probe Light   "Eye" Image