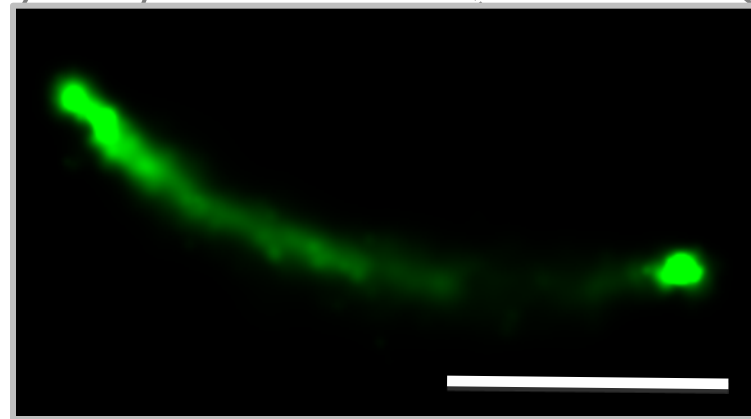
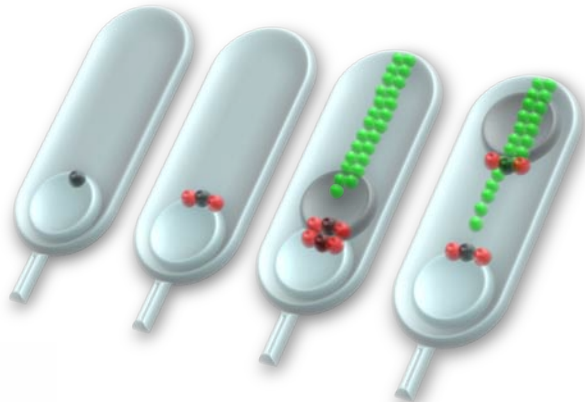
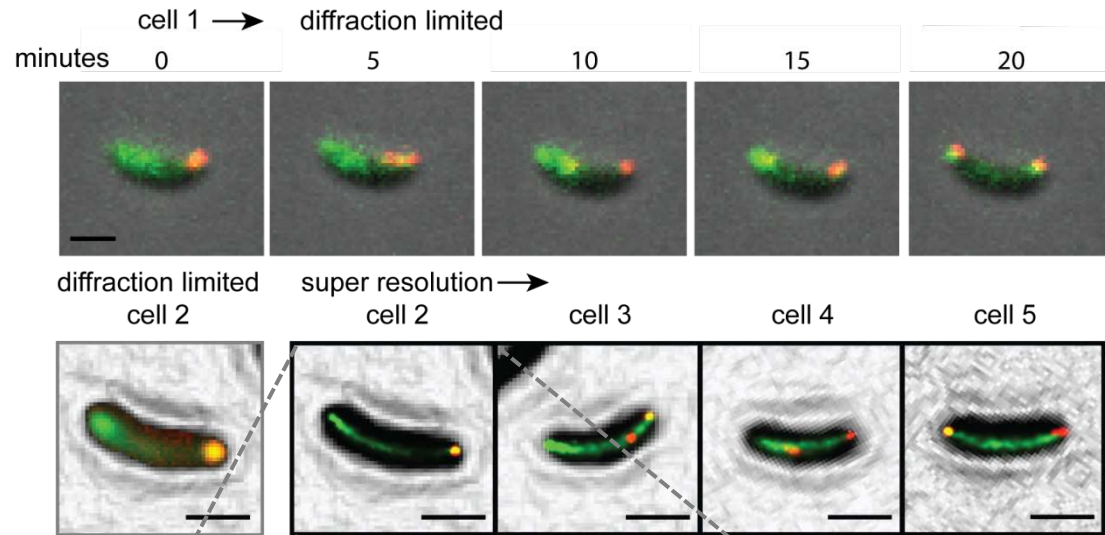


A Spindle-like Apparatus Guides Chromosome Separation

Steven Lee, Jerod Ptacin, Lucy Shapiro & W.E. Moerner

Single-molecule super-resolution imaging of the chromosome partitioning protein fusion **ParA-eYFP** reveals a 40 nm wide linear spindle of ParA filaments running along the *Caulobacter crescentus* bacterial cell axis.

The ParA spindle coincides with the position of the chromosome origin marker **ParB-mCherry** during chromosome division. This information is obfuscated by the diffraction limit.



Ptacin, Lee et al. *Nature Cell Biology* 12, 791–798 (2010)

Scale Bar 500nm

