A Spindle-like Apparatus Guides Chromosome Separation
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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.