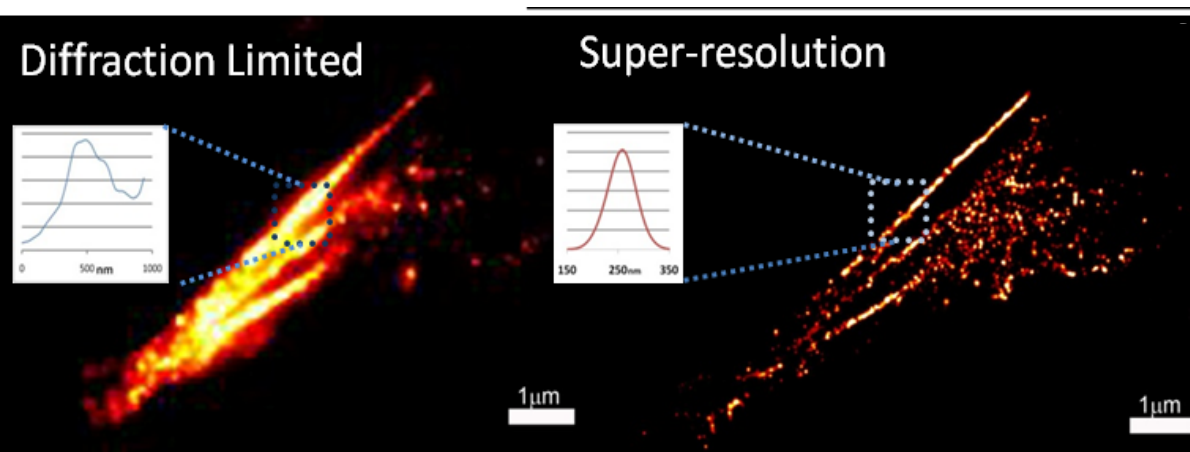


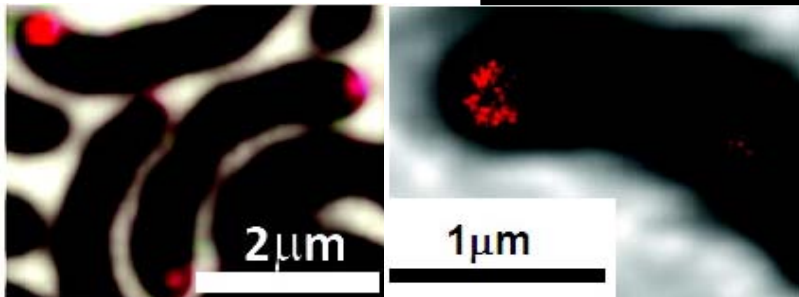
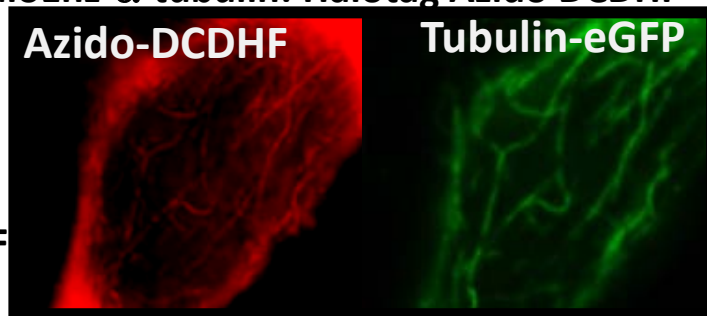
Targeted Photoactivatable Fluorophores for Superresolution Imaging in Fixed and Live Cells



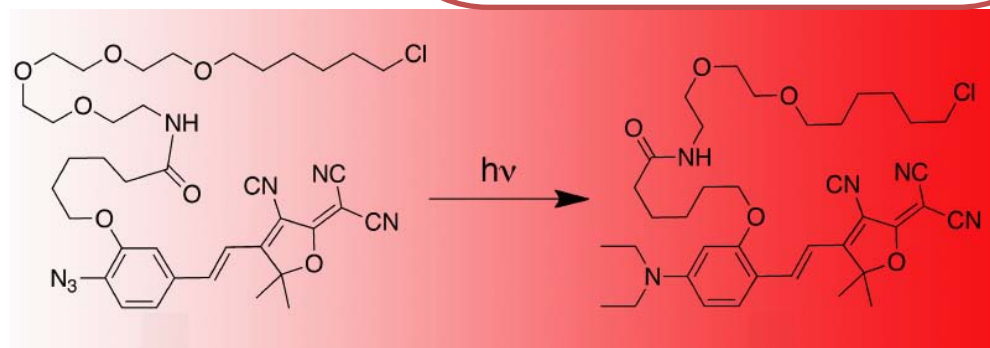
Superresolution imaging techniques based on sequential imaging of sparse subsets of single molecules require photo-activatability/switchability. HaloTag azido DCDHFs are a novel class of targeted photoactivatable fluorogens suitable for superresolution imaging in live bacterial/mammalian cells.

Fixed BSC-1 expressing HaloEnz- α -tubulin: Halotag Azido DCDHF

Live CHO Cells Expressing HaloEnz- α -tubulin (red), and tubulin-eGFP (green) labeled with Azido-DCDHF



Live *C. crescentus* with polar protein PopZ visualized by Azido-DCDHF via HaloEnZ



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