



**Upper panel:** DNA gyrase protein prepared with non-hydrolyzable ATP and crosslinked with 0.025% glutaraldehyde at 0.2  $\mu$ M.

**Middle panel:** DNA gyrase protein prepared with non-hydrolyzable ATP, ciprofloxacin, and equimolar 230 bp dsDNA at 0.8  $\mu$ M. Some aggregation is noted under these conditions.

Samples for negative stain analysis were prepared on 150 mesh Cu grids and stained with 1% PTA pH 7.45 (side blot method). \*\* Preparation of grids and imaging by NYCSB via the NRAMM program.

**Bottom panel:** Molecular model of DNA gyrase taken from PDB ID 6RKW (Broeck *et al* 2019), with one of our ParE protein structures (PDB ID 6RXW, Snead *et al* 2021) depicted to scale. The red box highlights a segment of DNA gyrase that we hypothesize is bound by ParE toxin proteins.