

Abstract Submitted
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Microsecond dynamics of mismatch repair proteins FREDDIE SALSURY, WILLIAM THOMPSON, Wake Forest University — We will present the results of long-time simulations (250ns-1microsecond) of the mismatch repair protein complexes MutSalpha bound to various substrates, both normal and damaged. We do so to demonstrate the importance of long-range fluctuations and generalized allostery in such systems and how long-scale GPU-enabled simulations can enabled such analysis.

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