Abstract Submitted
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**Biophysical modeling of mismatch repair proteins**[1] FREDDIE SALSBURY, Wake Forest University — Mismatch repair proteins play a vital role in the bology of cancer due to their dual functions as repair proteins and as sensors of DNA damage. Computational modeling of mismatch repair proteins in conjunction with biological experimentation has demonstrated the role of long-range communication in the functions of these proteins. Furthermore, different conformations have been shown to be associated with different cellular functions, and these differences are being exploited in drug discovery. The latest results in this modeling will be presented.

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Freddie Salsbury
Wake Forest University

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