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# DNA Topology Regulation

National Cancer Institute

## Source

National Cancer Institute. *DNA Topology Regulation*. NCI Thesaurus. Code C29836.

DNA Topology Regulation involves DNA topoisomerases that catalyze essential DNA transaction processes, including DNA strand scission, manipulation, and rejoining, in order to attain a balanced topology of the genome. Contrasting activities of DNA topoisomerase I and DNA gyrase result in the maintenance of DNA topological homeostasis. (NCI)