

# ***Raman Spectroscopy & DNA Geometries***

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We tried to determine if confocal Raman spectroscopy can be used to reveal the structural contexts of gene expression mechanisms and DNA geometries that might have a global or local impact on the combinatorial interactions between transcription factors and structural regulatory sequences.

Confocal Raman spectroscopy confirmed that human/rat and mouse PPy/u motifs differentially control the conformation of the BI/BII phosphodiester backbone of B-form DNA in supercoiled DNA.