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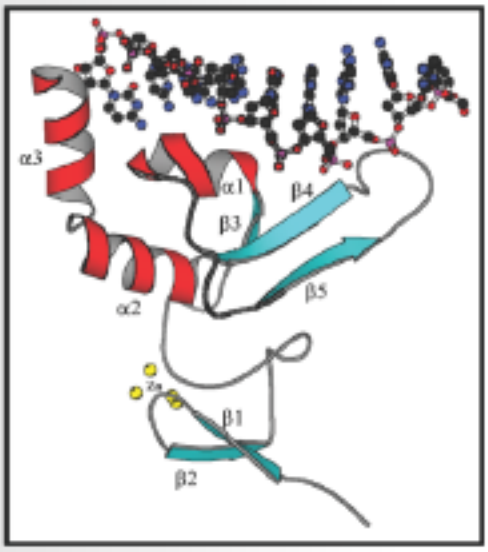

Annual Report 2000

Macromolecular Structure and Dynamics

June 2001

Pacific Northwest
National Laboratory
Operated by Battelle for the
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Cover Photo: ***A molecular model of a single-stranded DNA 9-mer (ball and stick chain) bound to XPA-MBD oriented in the 3′ → 5′ direction that illustrates how the elements of secondary structure are organized in relation to the DNA. The XPA-DNA interactions were characterized by NMR spectroscopy.***

Other post-genomic-era research activities within the Macromolecular Structure and Dynamics Program include structural genomics, DNA recognition and repair, protein dynamics/interactions, and proteomics. The molecular level understanding of biological processes and the impacts of anthropogenic activities on these processes provide fundamental new insights into the intricacies of complex biological machinery.

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D. W. Koppenaal, Associate Director
and the Staff of the Macromolecular Structure and Dynamics Program

July 2001

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