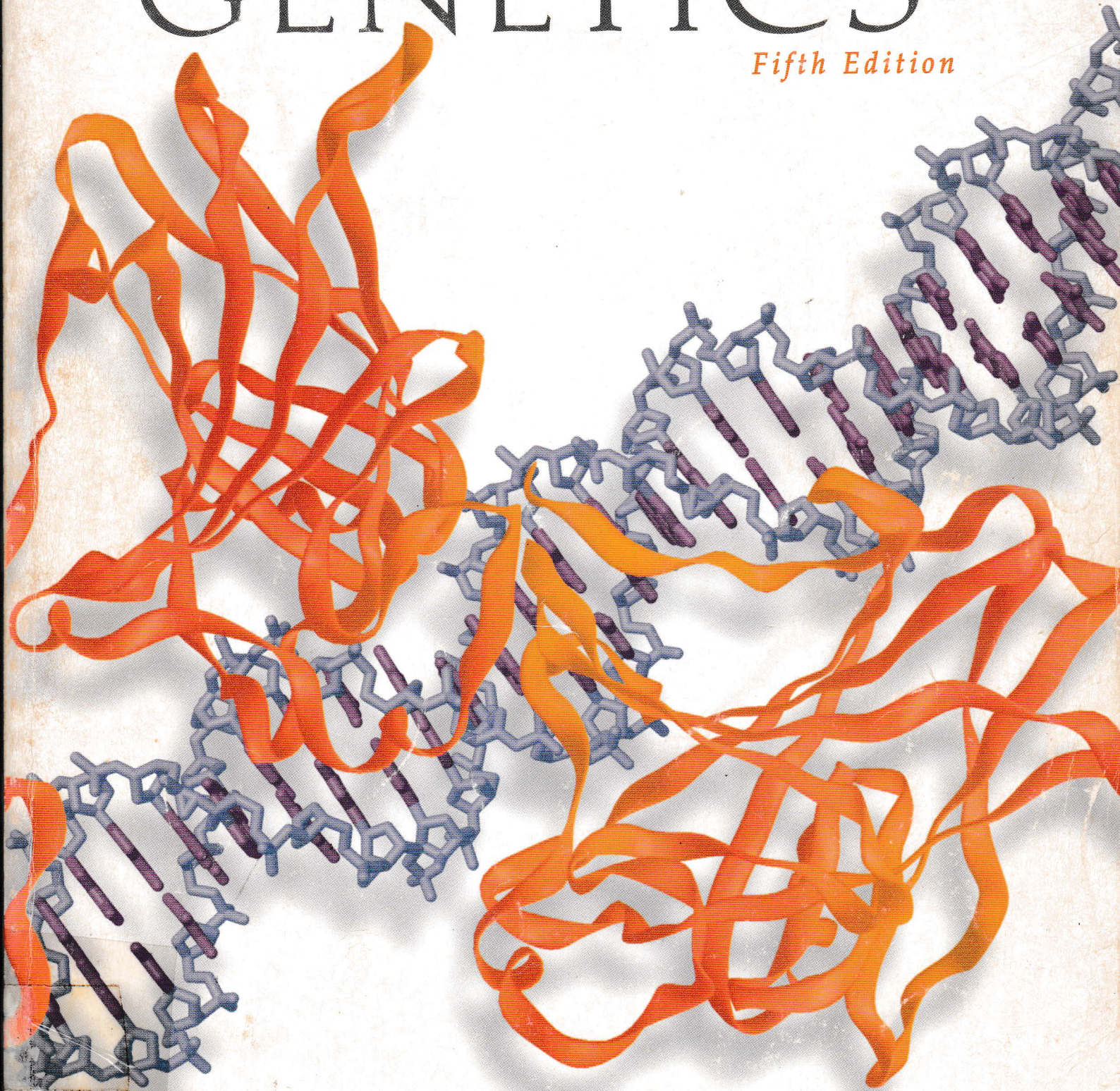


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CONCEPTS OF

GENETICS

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One of the goals of genetic research is to develop a greater understanding of gene function. The molecular model on the front cover depicts the binding of the p53 protein with DNA. Mutations in the *p53* gene, which encodes this protein, are associated with uncontrolled cell division and the development of cancer. Thus, this protein plays a key role in the process of cell division—a role investigated in greater detail in Chapters 2 and 21 of the text. The structural coordinates used in the construction of this model were provided by Dr. Nikola Pavelitch of the Memorial Sloan-Kettering Cancer Center.

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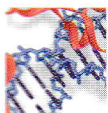
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