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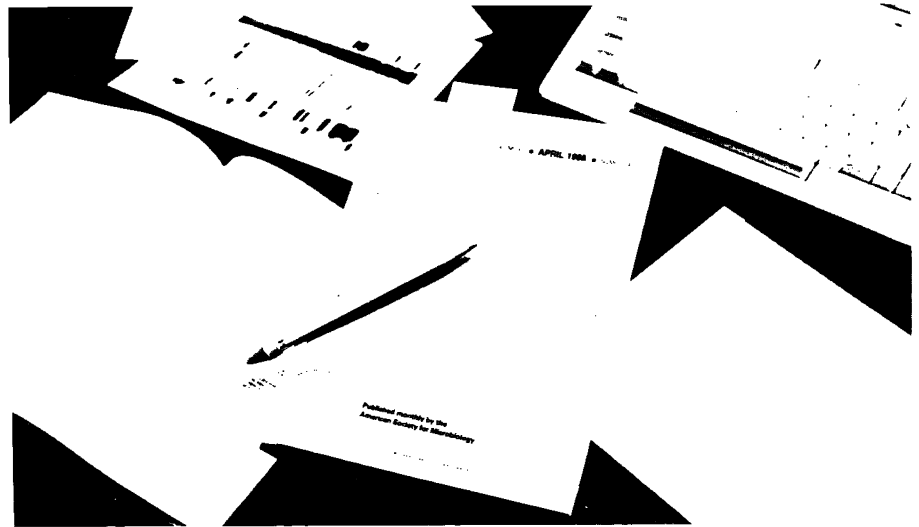
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Genetic Recombination

Edited by **Raju S. Kucherlapati**,
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Genetic Recombination presents molecular, biochemical, and biological perspectives on recombination, especially homologous recombination, as well as site-specific recombination and so-called illegitimate recombination (in which integration of DNA sequences is achieved without apparent regard to sequence or position homology). The process of recombination is described for bacteria and bacteriophage, yeasts, *Drosophila*, and cultured mammalian cells. Several chapters also deal with the biological consequences of genetic recombination including recombinational control of gene expression and production of chromosomal abnormalities leading to malignancy and birth defects.

This well-integrated treatise will be of interest and value to researchers and students focusing on prokaryotic and eucaryotic genetic recombination and on related topics such as gene expression, protein-DNA interactions, chromosome mechanics, meiosis, gene therapy, and DNA repair.

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3. Pathways of Homologous Recombination in *Escherichia coli* (Mahajan)
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