

genome stability

DNA repair and recombination

Genome Stability: DNA Repair and Recombination describes the various mechanisms that cells use to repair broken chromosomes. At a molecular level, it presents a definitive review of models of DNA repair and introduces the central players in the rapidly growing research areas of gene targeting and DNA recombination in mitotic and meiotic cells. Written as a textbook for advanced undergraduate and graduate students in molecular biology, genetics, and biochemistry, *Genome Stability* is also a valuable reference for researchers and practitioners, especially in cancer biology.

James E. Haber has been a leading researcher in the fields of DNA repair and cell cycle checkpoints for over thirty years. In 2011, he was awarded the Genetics Society of America's Thomas Hunt Morgan Medal for Lifetime Achievement in Genetics. He is a member of the US National Academy of Sciences and the American Academy of Arts and Sciences, a Fellow of the American Association for the Advancement of Science, and has served on the National Cancer Institute's Board of Scientific Counselors.

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