

DNA REPAIR AND MUTAGENESIS

ERROL C. FRIEDBERG, GRAHAM C. WALKER, AND WOLFRAM SIEDE

DNA Repair and Mutagenesis is an extremely comprehensive and current text on the manifold ways in which living cells respond to genomic injury and alterations, including both spontaneous and environmentally induced DNA damage. The authors have extensively revised Dr. Friedberg's original book (**DNA Repair**, 1985) and provided more than 4,000 complete references to primary research literature. A major feature of this new edition is the comprehensive coverage of mutagenesis and other aspects of DNA damage tolerance in five new chapters. This book will serve as an important text for all courses in DNA repair and mutagenesis and as a major reference for molecular biologists working in cancer biology, recombination, transcription and gene regulation, DNA replication, environmental studies, and biological evolution.

ERROL C. FRIEDBERG, M.D., is Professor and the Andujar Distinguished Chair in the Department of Pathology at the University of Texas Southwestern Medical Center. Dr. Friedberg is a molecular biologist who has worked on cellular responses to DNA damage for more than 25 years. He is the author of **DNA Repair**, published in 1985, the progenitor of **DNA Repair and Mutagenesis**, and is Managing Editor of the journal *Mutation Research - DNA Repair*. Dr. Friedberg is a Fellow of the Royal College of Pathologists and a member of the Council for Research and Clinical Investigation Awards of the American Cancer Society.

GRAHAM C. WALKER, Ph.D., is Professor of Biology at the Massachusetts Institute of Technology. Dr. Walker has worked in the area of mutagenesis and DNA repair for 20 years and also has research interests in the action of molecular chaperones and in the mechanisms of nodulation of legumes by rhizobia. Dr. Walker has been named a Margaret MacVicar Faculty Fellow in recognition of his undergraduate teaching and presently serves as Editor in Chief of the *Journal of Bacteriology*.

WOLFRAM SIEDE, Ph.D., is Assistant Professor of Pathology at the University of Texas Southwestern Medical Center. Dr. Siede is a yeast geneticist who has worked in the field of eukaryotic DNA repair and mutagenesis for the past 10 years.