

Frontiers in Molecular Toxicology

EDITED BY
Lawrence J. Marnett

Frontiers in Molecular Toxicology

An anthology of the most up-to-date information regarding the mechanisms of toxicology and the methods for studying same. Taken from the ACS journal, *Chemical Research in Toxicology*, the 21 articles were selected both for their timeliness and the quality of their content. Collectively, they convey the sense of excitement that exists when chemistry and toxicology interface.

The variety of structural classes of toxic agents and the range of biological effects they induce present an infinite number of interesting challenges involving such techniques of modern mechanistic and theoretical chemistry as structure elucidation, chemical analysis and synthesis, and physical characterization. With that in mind, the editor has grouped the material into four areas of concern: *Toxic Agents and Their Actions*; *Enzymes of Activation, Inactivation, and Repair*; *Physical Methods*; and *Macromolecular Modification*.

Organic, analytical, biological, and environmental chemists and toxicologists will benefit from this book and its emphasis on chemical approaches to the solution of toxicologically interesting problems.

Lawrence J. Marnett, Editor
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Cover: Based on apohemoglobin β subunit—courtesy of Jane S. Richardson.

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