



Cholinesterases

Structure, Function, Mechanism, Genetics, and Cell Biology

Presenting the proceedings of the Third International Meeting on Cholinesterases, this inaugural volume in the Conference Proceedings Series offers a wealth of new information on current and future cholinesterase research, including important advances resulting from new concepts and methodologies such as monoclonal antibodies and molecular genetics.

The volume's 49 full papers and 140 poster papers are divided into six sections covering:

- Polymorphism and Structure of Cholinesterases
- Cellular Biology of Cholinesterases
- Gene Structure and Expression of Cholinesterases
- Catalytic Mechanism of Cholinesterases: Structure-Function Relationships of Anticholinesterase Agents, Nerve Agents, and Pesticides
- Pharmacological Utilization of Anticholinesterase Agents, Neuropathology of Cholinergic Systems
- Noncholinergic Roles of Cholinesterases

This volume will be of great interest to a broad spectrum of readers, including those interested in the evolution of cholinesterase catalysis, researchers developing agricultural chemicals, scientists seeking up-to-date information on the treatment of glaucoma and such neurological diseases as Alzheimer's disease and myasthenia gravis, those interested in the design of drugs to bind the enzyme itself or to cholinergic receptors, as well as those who follow the progress toward complete structure elucidation of cholinesterases.

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Cover: Based on apohemoglobin β subunit—courtesy of Jane S. Richardson.

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