

1. Record Nr.	UNINA9911020363003321
Titolo	Ciba Foundation Symposium, jointly with Co-ordinating Committee for Symposia on Drug Action, on Enzymes and Drug Action // editor for the Co-ordinating Committee, J.L. Mongar ; editor for the Ciba Foundation, A.V.S. de Reuck
Pubbl/distr/stampa	Boston, : Little, Brown, 1962
ISBN	9786613679529 9781280768750 1280768754 9780470719251 0470719257 9780470716762 0470716762
Descrizione fisica	1 online resource (581 p.)
Collana	Ciba Foundation symposium
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Disciplina	612.0151
Soggetti	Enzymes Drugs - Physiological effect Drugs - Metabolism
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	ENZYMES AND DRUG ACTION; CONTENTS; Wellcome Building Sessions; Session 1: Enzymes as Primary Points of Drug Action; Chairman's introduction; Inhibition of acetylcholinesterase; Discussion; Carbonic anhydrase inhibition and physiological function; Discussion; Session 2: Active Transport; Pinocytosis; Discussion; Possible mechanisms of active transport; Discussion; Effects of drugs on active transport; Discussion; Session 3: Multiple Mechanisms; I. Insulin; The explanation of the action of insulin on sugar permeability at molecular level; Action of insulin on metabolic reactions; Discussion II. DigitalisAction of cardiac glycosides on ionic movements; Digitalis: action on metabolism and the contractile system; Discussion; III.

Central Nervous System Depressants; Action of barbiturates upon respiratory enzymes; Appraising enzymic actions of central depressants by examining cerebral tissues; Discussion; Session 4: Receptors; Relation between enzymes and cholinergic receptors; Discussion; Induction of receptors; Discussion; Session 5: Altered Drug Metabolism; Chairman's introduction; Adaptive enzymes in animals; Discussion; Drug tolerance; Discussion

The genetics of drug sensitivity with special reference to suxamethoniumDiscussion; Session 6: Drug Metabolism: Subcellular Aspects; Drug metabolism-subcellular mechanisms; Discussion; Cellular injury by drugs; Protection against cellular injury by drugs; Discussion; Panel Discussion; Ciba Foundation Sessions on Drug-Enzyme Interaction at the Molecular Level; Session 1: Enzymes; Introduction: Enzymes; Models of active centres: acetylcholine; Active transport; Mode of action of insulin; Limitations of enzymes as models; Session 2: Receptors; Introduction: Receptors; Definition of receptors Identifying active centresEffect of denervation on receptors; Events at the cell membrane; Rate theory of drug action; Interaction at the Subcellular and Cellular Levels; Session 3: Subcellular Level; Introduction: Membranes; Subcellular particles; Phosphatidic acid cycle; Antihistamines and membrane permeability; Drug concentrations in vitro; Session 4: Cellular Level; Introduction: Cellular aspects; Reconstituting in vitro; In vitro and in vivo; Microsomal enzymes; Endoplasmic reticulum; Enzymes in young animals; Transaminase and GABA; Drug interactions; General considerations

Sommario/riassunto

The Novartis Foundation Series is a popular collection of the proceedings from Novartis Foundation Symposia, in which groups of leading scientists from a range of topics across biology, chemistry and medicine assembled to present papers and discuss results. The Novartis Foundation, originally known as the Ciba Foundation, is well known to scientists and clinicians around the world.
