Record Nr. UNINA9911019576803321 Mutation as cellular process: a Ciba Foundation symposium / / edited **Titolo** by G.E.W. Wolstenholme and Maeve O'Connor Pubbl/distr/stampa London, : J. & A. Churchill Ltd., 1969 **ISBN** 9786613618313 9781280588488 1280588489 9780470719718 0470719710 9780470717349 0470717343 Descrizione fisica 1 online resource (258 p.) Collana Novartis Foundation Symposia:: v.996 Altri autori (Persone) WolstenholmeG. E. W (Gordon Ethelbert Ward) O'ConnorMaeve Disciplina 575.2/92 Soggetti Mutagenesis Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali "With 48 illustrations"--T.p. verso. Nota di bibliografia Includes bibliographical references and indexes. Nota di contenuto MUTATION AS CELLULAR PROCESS; Contents; Chairman's opening remarks; Influence of the host on the induction and expression of mutations in phage kappa; Discussion; Influence of cellular physiology on the realization of mutations-results and prospects; Discussion; Enhancement and diminution of ultraviolet-light- initiated mutagenesis by post-treatment with caffeine in Escherichia coli; Allele-specific responses t o factors that modify U.V. mutagenesis; Discussion; Analysis of a case of mutagen specificity in Neurospora crassa: Discussion Repair of latent T5-resistant mutants in chemostat culturesDiscussion; General Discussion; The nature and influence of ultraviolet and hydroxylamine lesions in nucleic acids and the enzymic repair of the former; Discussion; Nature of alkylation lesions and their repair: significance for ideas on mutagenesis; Discussion; The effect of ribosome alterations on ribosome function, and on expression of

ribosome and non-ribosome mutations; Discussion; Aspects of

modification of nucleic acids in mutational processes; Discussion; Relationships between recombination and mutation; Discussion General DiscussionObserved mutation frequency in mice and the chain of processes affecting it; Discussion; Final Discussion; Author index; Subject index

## Sommario/riassunto

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