

1. Record Nr.	UNINA9910144657703321
Titolo	Polymerization in biological systems // editors, G. E. W. Wolstenholme, Maeve O'Connor
Pubbl/distr/stampa	Amsterdam ; ; New York, : Associated Scientific Publishers, 1972
ISBN	9786613693617 9780470719909 0470719907 9781280783227 1280783222 9780470717561 0470717564
Edizione	[1st ed.]
Descrizione fisica	1 online resource (viii, 314 pages) : illustrations
Collana	Ciba foundation symposium ; ; 7 (new ser.)
Altri autori (Persone)	WolstenholmeG. E. W (Gordon Ethelbert Ward) O'ConnorMaeve
Disciplina	574.1/924
Soggetti	Macromolecules Polymerization Polymers Biochemistry Biosynthesis
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Held at the Ciba Foundation, London, 14th-16th March 1972."
Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	Intro -- Polymerization in Biological Systems -- Contents -- Introduction : the objectives -- Synthetic polymers, biopolymers and block polymers -- Discussion -- Mechanisms in the chemical syntheses of polypeptides and polynucleotides -- Discussion -- On the function of DNA-dependent RNA polymerase -- Discussion -- Discussion Evolution of biological macromolecules -- Protein synthesis machinery and the regulation of messenger RNA translation -- Discussion -- Bacterial cell wall biosynthesis -- Discussion -- Molecular configuration and states of aggregation of biopolymers -- Discussion -- Formation of the native structure of proteins: inferences from the kinetics of denaturation and renaturation -- Discussion -- Folding of nucleic acids

-- Discussion -- Interactions between synthetic polymer molecules --
Discussion -- Assembly in biological systems -- Discussion -- The
polymorphism of tobacco mosaic virus protein and its signifi- cance for
the assembly of the virus -- Discussion -- Protein interactions in the
myofibril -- Discussion -- The lac repressor and the lac operator --
Discussion -- Protein-lipid interactions -- Discussion -- General
Discussion -- Receptor proteins -- Recognition of macromolecules --
Predicting three-dimensional protein structure -- Mechanisms of
length determination in protein assemblies -- Chairman's summary --
Index of contributors -- Subject index.

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.
