

READINGS IN HEREDITY AND DEVELOPMENT

Edited by John A. Moore

These twenty-six papers trace the development of ideas in genetics and developmental biology. Important observations and experiments are seen through the eyes of scientists, though not necessarily the same scientists who performed them. The editor believes the original data and "first discovery" papers usually found in anthologies have little meaning for most students just beginning the study of biology. Instead he has chosen the great synthetic treatments. This unusual approach enables the reader to view science as an integrated and exciting intellectual process. Although intended for the undergraduate and general reader, the advanced student and specialist will find much to excite his interest.

The collection is designed as a companion to Professor Moore's *Heredity and Development*, although it can be used independently. *Heredity and Development* covers in detail the milestone discoveries in genetics and embryology—for example, the contributions to cell theory of Hooke, Schwann, Flemming and others. The corresponding chapter in *Readings in Heredity and Development* includes Roget's article evaluating the state of knowledge before Schwann; Virchow's evaluation at mid-century; Weismann's three essays written in the 1880's and 1890's attempting to relate the then-current observations of Flemming, Hertwig, and others to the broader questions of inheritance, development, and evolution; and a summary statement by E. B. Wilson made just before Mendel's landmark discoveries.

Succinct editorial introductions and extensive bibliographies accompany each chapter.

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