

A newly revised edition of the standard reference for the field today—updated with new terms, major discoveries, significant scientists, and illustrations

Developmental biology is the study of the mechanisms of development, differentiation, and growth in animals and plants at the molecular, cellular, and genetic levels. The discipline has gained prominence in part due to new interdisciplinary approaches and advances in technology, which have led to the rapid emergence of new concepts and words. The *Dictionary of Developmental Biology and Embryology, Second Edition* is the first comprehensive reference focused on the field's terms, research, history, and people.

This authoritative A-to-Z resource covers classical morphological and cytological terms along with those from modern genetics and molecular biology. Extensively cross-referenced, the *Dictionary* includes definitions of terms, explanations of concepts, and biographies of historical figures. Comparative aspects are described in order to provide a sense of the evolution of structures, and topics range from fundamental terminology, germ layers, and induction to RNAi, evo-devo, stem cell differentiation, and more. Readers will find such features of embryology and developmental biology as:

- Vertebrates
- Invertebrates
- Plants
- Developmental genetics
- Evolutionary developmental biology
- Molecular developmental biology
- Medical embryology

The author's premium on accessibility allows readers at all levels to enhance their vocabulary in their field and understand terminology beyond their specific focus. Researchers and students in developmental biology, cell biology, developmental genetics, and embryology will find the dictionary to be a vital resource.

Photographs courtesy of Frank J. Dye

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