

## Ecological Developmental Biology, Second Edition



The revolution in molecular technologies has created a revolution in our perception of the living world. It is life, but not as we knew it. The science studying this new world, uncovering the relationships between genes, developing organisms, and their environments, is called ecological developmental biology. This book presents the data for ecological developmental biology, integrating it into new accounts of medicine, evolution, and embryology. The new evolutionary science created by this approach to nature is called ecological evolutionary developmental biology (eco-evo-devo). The book documents the evidence for a new, extended, evolutionary synthesis, a synthesis that: confounds the creationist belief that evolution can't be described above the species-level; integrates aging and Western diseases such as diabetes, atherosclerosis, cancer, and obesity into an evolutionary context; and sees interspecies interactions both within the organism and between organisms as being critical for evolution, development, and fitness.

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