



DOWNLOAD



The Origin of Animal Body Plans: A Study in Evolutionary Developmental Biology

By Arthur, Wallace

Cambridge University Press, 2000. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service!
Summary: Preface; Acknowledgements; Part I. Introduction: 1.1 A developmental approach to an evolutionary problem; 1.2 The early history of the animal kingdom; 1.3 Alternative strategies; 1.4 Creation versus destruction; 1.5 Systematics and the concept of natural classification; 1.6 Micromutation versus macromutation; 1.7 Developing organisms as inverted cones; Part II. What is a Body Plan?: 2.1 Body plans and taxonomic levels; 2.2 Body plans, cladograms and homology; 2.3 Body plans and embryology; 2.4 Body plans, genes and mutations; 2.5 Body plans, adaptation and environments; Part III. Patterns of Body Plan Origins: 3.1 Strategy; 3.2 Patterns of metazoan inter-relationships; 3.3 Early fossils: from cladograms to trees; 3.4 Bringing back morphology; 3.5 Paleoecology and possible adaptive scenarios; Part IV. Evolutionary Developmental Biology: 4.1 From pattern to mechanism; 4.2 The aims of Evolutionary Developmental Biology; 4.3 A brief history; 4.4 Is there a theory of development?; Part V. Developmental Mechanisms: Cells and Signals: 5.1 Strategy; 5.2 Cellular processes and architecture; 5.3 Short-range signals: cell-cell contacts; 5.4 Mid-range signals and the nature of 'morphogens'; 5.5 Long-range signals and pan-organismic co-ordination; 5.6 Patterns of interconnection: developmental programmes; Part VI....



READ ONLINE

Reviews

Comprehensive information! Its this sort of excellent go through. It is packed with knowledge and wisdom You may like just how the author publish this book.

-- **Mustafa McGlynn**

Complete guideline! Its this kind of great read through. It is probably the most incredible pdf i actually have read through. Its been developed in an extremely straightforward way and it is simply soon after i finished reading this book through which actually modified me, affect the way i really believe.

-- **Beryl Labadie I**