

Form And Function In Developmental Evolution

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Raises questions about the future shape of Evolutionary Developmental biology as it matures as a field. This book represents an effort to understand very old questions about biological form, function, and the relationships between them. The essays collected here reflect the diversity of approaches in evolutionary developmental biology (Evo Devo), including not only studies by prominent scientists whose research focuses on topics concerned with evolution and development, but also historically and conceptually oriented studies that place the scientific work within a larger framework and ask how it can be pushed further. Topics under discussion range from the use of theoretical and empirical biomechanics to understand the evolution of plant form, to detailed studies of the evolution of development and the role of developmental constraints on phenotypic variation. The result is a rich and interdisciplinary volume that will begin a wider conversation about the shape of Evo Devo as it matures as a field. EAN/ISBN : 9780511501234 Publisher(s): Cambridge University Press Format: ePub/PDF Author(s): Laubichler, Manfred D. - Maienschein, Jane

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