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Título: Principles Of Development

Autor: Wolpert, Lewis; Cheryll Tickle

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Sinopsis

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Focuses on common principles rather than attempting to offer encyclopaedic coverage of the field, making it an ideal text for undergraduate courses.

Carefully selected and updated further reading articles, together with the online journal club, stimulate the student to explore the subject at a more advanced level and encourage them to engage with the primary literature.

Beautifully clear full colour illustrations and new photographic images help the student to visualise the often conceptually-challenging principles being introduced, making the principles easier to grasp.

Supported by a wealth of online resources for both lecturers and students.

New to this edition

Expanded content includes more examples from human development and medicine, reflecting course content and students' interest.

Increased coverage of evolutionary-developmental biology, through a fully revised and updated chapter.

Greater emphasis on experimental detail: key experimental evidence and a selection of experimental tools are highlighted in the text, and a 'journal club' feature online provides suggested research papers and discussion questions linked to topics featured in the book.

A more extensive use of photographic images illustrates and enhances the principles covered in the text.

Enhanced online content, including an online journal club and hyperlinked bibliography, enrich the student's learning experience, and guide them to further sources of information, to fully test their understanding

The original Chapter 3: Patterning the vertebrate body plan, has been split into two separate chapters, to refine the scope and focus content coverage.

The inclusion of new end-of-chapter questions in both essay and multiple choice formats, fully test students' understanding of the material.

The process of biological development is an amazing feat of tightly regulated cellular behaviours

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- differentiation, movement, and growth - powerful enough to result in the emergence of a highly complex living organism from a single cell, the fertilized egg. Principles of Development clearly illustrates the universal principles that govern this process of development, in a succinct and accessible style.

Written by two highly respected and influential developmental biologists, Lewis Wolpert and Cheryll Tickle, it focuses on those systems that best illuminate the common principles covered in the text, and avoids overwhelming the reader with encyclopaedic detail.

With co-authors whose expertise spans the discipline, Principles of Development combines a careful exposition of the subject with insights from some of the world's pioneering researchers in developmental biology, guiding the student from the fundamentals through to the latest discoveries in the field.

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