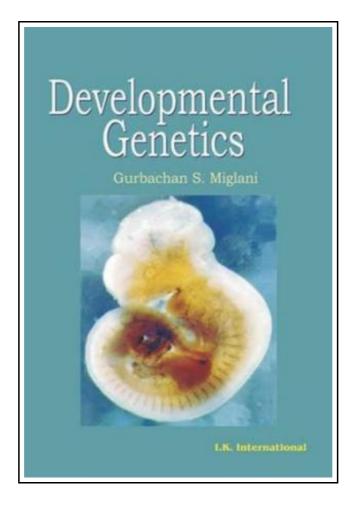
Developmental Genetics



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Reviews

Very useful for all group of people. It is amongst the most incredible pdf i actually have read through. Its been written in an extremely straightforward way and it is just right after i finished reading through this pdf by which basically modified me, change the way i think.

(Felicia Nikolaus)

DEVELOPMENTAL GENETICS



I.K. International Publishing House Pvt. Ltd, 2006. Softcover. Book Condition: New. 16 x 24 cm. Development is behind what one looks like. It is directed by genes, the units of heredity, which are made up to deoxyribonucleic acid (DNA) in all animals (including man), plants, microorganisms and most of the viruses except in some viruses where ribonucleic acid (RNA) is the genetic material. Developmental Genetics integrates the two disciplines of development and genetics into one. Key Features: ? Each chapter begins with a brief introduction and historical background. ? The text explains both classical and recent material. ? Various phenomena of developmental genetics explained with examples of animals, plant, bacteria and viruses. ? Text explained with suitable examples, illustrations, tables and figures. ? List of references and review questions given at the end of each chapter? Exhaustive glossary, author index and subject index given at the end of the book. This book is essential reading for postgraduate in developmental genetics, teachers teaching this subject and developmental biologists conducting research in this area. It is also suitable for candidates preparing for ARS/UGC NET examination. Contents: 1. Introduction: Preformation versus Epigenesis *Ontogeny, Phylogeny and Recapitulation *Mosaic and Regulation Eggs *Genetics *Development *Developmental Genetics *Steps in Development *Role of Genes in Development *Understanding Development in Genetics Terms 2. Inheritance of Developmental Difference: Early Ideas about Heredity *Continuity of Life *Qualitative and Quantitative Traits *Genotype and Environmental Variation *Mendelian Principles *Concepts of Dominance *Heterosis and Hybrid Vigour *Reverse Genetics in Mendel?s Wrinkled Character *Molecular basis of Mendelian Genetics *Mendelism-An Exception or Rule *Mendel?s Results and Linkage *Chromosome Theory of Inheritance *Sex-Linked, Sex-Limited and Sex-Influenced Inheritance *Multiple Allelism *Gene-Gene Interactions *Tiem of Segregation *Endosperm Genetics *Mutations *Quantitative Traits *Penetrance and Expressivity *Pleiotropy *Phenocopies *Homestasis 3. Genome Constancy in Development: Totipotency *Exceptions in Genome Constancy 4....

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