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| 1. Record Nr. | UNINA9911019748903321 |
| Autore | Unsicker Klaus |
| Titolo | Cell Signaling and Growth Factors in Development: From Molecules to Organogenesis |
| Pubbl/distr/stampa | [Place of publication not identified], : John Wiley & Sons Incorporated, 2005 |
| ISBN | 3-527-61968-2 |
| Descrizione fisica | 1 online resource (liv, 991 pages) |
| Disciplina | 571.81 |
| Soggetti | Developmental biology Cytology Growth factors |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Note generali | Bibliographic Level Mode of Issuance: Monograph |
| Nota di bibliografia | Includes bibliographical references and index. |
| Nota di contenuto | Stem cells -- Germ cells -- Implantation and placentation -- Cell movements during early vertebrate morphogenesis -- Head induction -- Anterior-posterior patterning of the hindbrain: integrating boundaries and cell segregation with segment formation and identity -- Neurogenesis in the central nervous system -- Generating cell diversity -- The molecular basis of directional cell migration -- Cell death in organ development -- Dorso-ventral patterning of the vertebrate central nervous system -- Novel perspectives in research on the neural crest and its derivatives -- Eye development -- Mammalian inner ear development: of mice and man -- Limb development -- Skeletal development -- Musculature and growth factors -- Skin development -- Tooth development -- Gastrointestinal tract -- Cell signaling and growth factors in lung development -- Molecular genetics of liver and pancreas development -- Molecular networks in cardiac development -- Vasculogenesis -- Inductive signaling in kidney morphogenesis -- Molecular and cellular pathways for the morphogenesis of mouse sex organs. |
| Sommario/riassunto | This is the first handbook structured according to organ systems to cover both embryogenesis and organ development. It addresses the functions of developmental signaling pathways and growth factors with a focus on cell division, cell migration, and cell differentiation. A |

uniform article structure throughout the book facilitates easy comparison of data. Applications in molecular medicine are highlighted with chapters on developmental disorders and related novel therapeutic strategies.
