Record Nr. UNINA9910144747703321 Cell and molecular biology of vertebrate hard tissues [[electronic **Titolo** resource]] Pubbl/distr/stampa Chichester, U.K.;; New York,: Wiley, 1988 **ISBN** 1-282-34587-7 9786612345876 0-470-51363-2 0-470-51364-0 Descrizione fisica 1 online resource (320 p.) Collana Ciba Foundation symposium;; 136 Altri autori (Persone) EveredDavid HarnettSara Disciplina 596 596.01852 Bones - Cytology Soggetti **Bones - Differentiation** Bones - Growth Electronic books. Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Proceedings of a symposium held at the Ciba Foundation, London, Oct. 13-15. 1987. Edited by David Evered and Sara Harnett. "A Wiley-Interscience publication." Nota di bibliografia Includes bibliographical references and indexes. Nota di contenuto CELL AND MOLECULAR BIOLOGY OF VERTEBRATE HARD TISSUES: Contents; Participants; Introduction; Bone development; Factors influencing the expression of dental extracellular matrix biomineralization; Stromal stem cells: marrow-derived osteogenic precursors; Osteoblastic differentiation; Diversity of the osteoblastic phenotype: The regulation of osteoclastic development and function: Osteoclast development: the cell surface and the bone environment: General discussion I; An adhesion variant of the MG-63 osteosarcoma cell line displays an osteoblast-li ke phenotype Expression of type I procollagen genesPhosphoproteins from teeth and bone; Non-collagen proteins in bone; General discussion II; Polypeptide

growth factors in bone matrix; Hormonal regulation of bone growth

Sommario/riassunto

and remodelling; Cytokines; Haemopoietic growth factors: their relevance in osteoclast formation and function; Final general discussion; Chairman's summary; Index of contributors; Subject index

Brings together the latest research in the cellular and molecular biology of bones and teeth, including applications to medical and dental practice. An interdisciplinary group of contributors addresses control of bone formation, resorption and remodelling, osteoblast differentiation and osteoclast activity, factors influencing dental extracellular matrix biomineralization, non-collagen proteins in bone and their function, hormonal regulation of bone growth, and more.