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Nota di contenuto	FUNCTIONS OF THE PROTEOGLYCANS; Contents; Participants; Introduction; The properties and turnover of hyaluronan; Cartilage proteoglycans; Biological roles of dermatan sulphate proteoglycans; Common structures of the core proteins of interstitial proteoglycans; Biosynthesis and processing of proteodermatan sulphate; Proteoglycan-collagen interactions; The functions of the heparan sulphate proteoglycans; Functions of proteoglycans at the cell surface Heparan sulphate proteoglycan as mediator of some adhesive responses and cytoskeletal reorganization of cells on fibronectin matrices: independent versus cooperative functions General discussion I; Structure and function of basement membrane proteoglycans; Biosynthesis and structure of the basement membrane proteoglycan containing heparan sulphate side-chains; General discussion II; Vascular cell proteoglycans: evidence for metabolic modulation;

Molecular cloning of proteoglycan core proteins; Secretory granule proteoglycans of mast cells and natural killer cells
Chairman's summing-up/Index of contributors; Subject index

Sommario/riassunto

Presents a comprehensive review of current proteoglycan research, which is providing fresh insights into many major chronic diseases. The proteoglycans are a family of macromolecules which contain one or more glycosaminoglycan chains covalently bound to a core protein. Proteoglycans are a major component of the extracellular matrix of connective tissues and help to determine its volume, resiliency, and organization. They are an important medium through which nutrients, hormones, and other solutes are transported to cells, and they play a significant role in cell-cell interactions. Disturbances
