1. Record Nr. UNINA9910829936203321

Titolo	The Biology of hyaluronan [[electronic resource] /] / [editors: David Evered and Julie Whelan.]
Pubbl/distr/stampa	Chichester, UK ; ; New York, : Wiley, 1989
ISBN	1-282-34760-8 9786612347603 0-470-51377-2 0-470-51378-0
Descrizione fisica	1 online resource (312 p.)
Collana	Ciba Foundation symposium ; ; 143
Altri autori (Persone)	EveredDavid WhelanJulie
Disciplina	591.19254 616.994071
Soggetti	Hyaluronic acid - Physiological effect Physiology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Based on a "Symposium on the Biology of Hyaluronan, held at the Ciba Foundation, London, 27-29 September 1988."
Nota di bibliografia	Includes bibliographies and index.
Nota di contenuto	THE BIOLOGY OF HYALURONAN; Contents; Participants; Introduction; Secondary structures in hyaluronan solutions: chemical and biological implications; Identification and regulation of the eu karyotic hyaluronate synthase; Turnover and metabolism of hyaluronan; Enzymic pathways of h yal u ronan catabolism; The interaction of hyaluronate with the cell surface: the hyalu ronate receptor and the core protein; H yaluronan and hyalu ronan- binding proteins in cartilaginous tissues; The role of a cell-associated hyaluronan- binding protein in fibroblast behaviour Hyaluronate-cell interactions and growth factor regulation of hyaluronate synthesis during limb developmentThe role and tu rnou r-assoc regulation of ated hyaluronan; Interactions between cells of the immune system and hyaluronate synthesis by human dermal fibroblasts; Hyaluronan and angiogenesis; Hyaluronan and hyaluronectin in the nervous system; Changes in hyaluronan concentration in tissues and body fluids in disease states; The specific

	interaction between fibrin(ogen) and hyaluronan: possible consequences in haemostasis, inflammation and wound he; Clinical uses of hyaluronan General discussionsumming-UP; Index of contributors; Subject index
Sommario/riassunto	Presents state-of-the-art applications in hyaluronan research, from hyaluronan's physicochemical properties to its clinical role as a connective tissue marker and its surgical implications, particularly in ear, eye and orthopaedic surgery. Covers hyaluronan's synthesis and catabolism, its role in cells, its interactions with specific binding proteins, and its role in the embryonic nervous system.