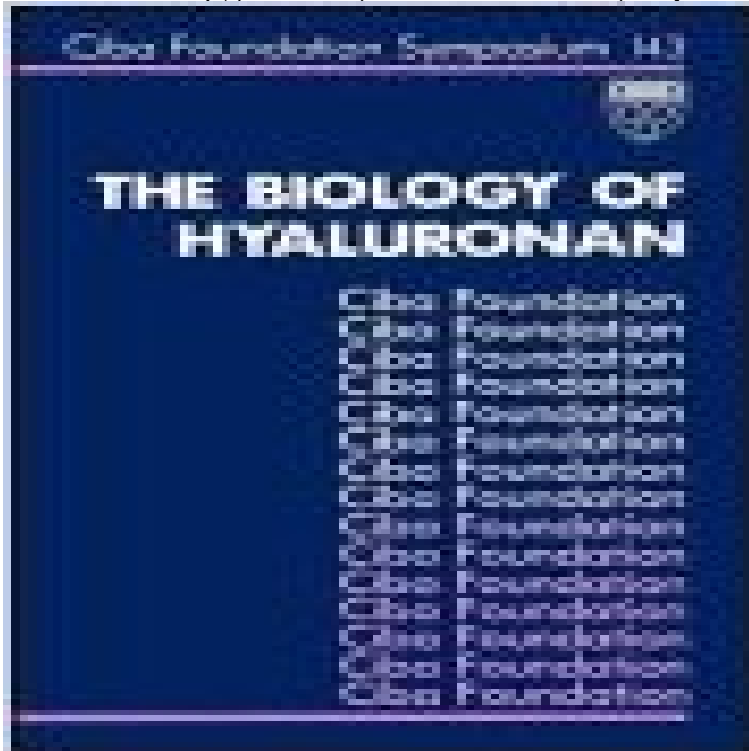


The Biology of Hyaluronan - Symposium No. 143



The Biology of Hyaluronan Chairman: T. C. Laurent 1989 Hyaluronan is a unique linear polysaccharide found in cartilage and in soft connective tissues such as synovial fluid and skin. It is an apparently simple homopolymer with a mechanical role as space filler or lubricant which also takes part in cell surface activities of great specificity, as recent work described in this symposium shows. Hyaluronan synthase was first identified in streptococci; isolation of the mammalian enzyme and its properties are discussed. The degradation of hyaluronan is mainly intracellular after receptor-mediated uptake. The catabolic enzymes involved and the fate of the resulting monosaccharides (including their recycling) are becoming understood. Various hyaluronan-binding proteins have been identified, including one in fibroblasts which may help regulate cell motility. Hyaluronan is a major component of the intercellular matrix surrounding proliferating and migrating cells in embryonic tissues, including the developing nervous system. It is involved in inflammation, angiogenesis and wound healing. High concentrations are found in malignant tissues, the result (in culture at least) of stimulation of hyaluronan synthesis in fibroblasts by tumour cells. Another stimulatory factor, produced by activated blood mononuclear cells, links hyaluronan to inflammatory diseases such as scleroderma and rheumatoid arthritis. High levels are produced in cirrhotic liver disease, malignant mesothelioma and sarcoidosis. The clinical use of hyaluronan as a connective tissue marker is leading to a better understanding of such diseases. The symposium concludes with a discussion of the surgical use of purified hyaluronan, including the development of new molecular forms for use in the control of adhesions, scar formation and tissue regeneration. Related Ciba Foundation Symposia: No 124 Functions of the

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We've started our countdown to National Handbag Day on October 10, and that means we'll have special features for you every day, right up to the big event! Today, we're here to talk about the intersection of celebrity and accessories, and more specifically, how the two can become intertwined in public consciousness for years. The kinds of stars who carry a particular bag do a lot to shape the market's perception of it and the designer who created it, which is why so many brands give out free bags to stars now: they're hoping to create positive associations. In the cases you see below, though, things came along a little bit more naturally. You can't rush love, after all. Think of a bag-celeb duo we missed? Let us know in the comments!

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