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Nota di contenuto	THE MOLECULAR BIOLOGY AND PATHOLOGY OF ELASTIC TISSUES; Contents; Participants; Preface; Chairman's introduction; Molecular biophysics of elastin structure, function and pathology; Ultrastructure of elastin; General discussion I; Structure of the elastin gene; Regulation of elastin synthesis in pathological states; Catalytic properties and structural components of lysyl oxidase; General discussion II; The structure and function of fibrillin; Elastin gene mutations in transgenic mice; Elastic fibre assembly: macromolecular interactions The 67 kDa spliced variant of b-galactosidase serves as a reusable protective chaperone for tropoelastinGeneral discussion III; Elastin in lung development and disease; Elastin and mechanoreceptor

mechanisms with special reference to the mammalian carotid sinus; Skin elastic fibres: regulation of human elastin promoter activity in transgenic mice; Elastin in systemic and pulmonary hypertension; General discussion IV; Elastin in blood vessels; General discussion V; Elastase in the prevention of arterial ageing and the treatment of the rosclerosis

Interaction of tumour cells with elastin and the metastatic phenotypeA role for neutrophil elastase in solar elastosis; Closing reflections; Index of contributors; Subject Index

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#### Sommario/riassunto

Drawing together contributions from a diverse group of international experts in the field, this collection of papers examines the biology and pathology of elastin at the molecular level. Topics include the structure, ultrastructure and function of elastin; elastin regulation; elastin's role in aging, lung development and disease and atherosclerosis; as well as related aspects of pharmacology and nutrition.

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