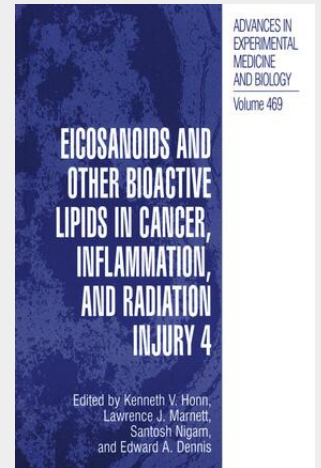


Eicosanoids and Other Bioactive Lipids in Cancer, Inflammation, and Radiation Injury, 4

This book contains conference presentations regarding the regulation of eicosanoid enzymes and, in particular, cyclooxygenases, lipoxygenases, and phospholipases. The new field of isoprostanes is also represented.

This volume constitutes the proceedings of the 5th International Conference on Eicosanoids and Other Bioactive Lipids in Cancer Inflammation and related diseases, which was held at the Sheraton Grand Torrey Pines in La Jolla, California, in September 1997. This conference built on four previous meetings which were held in Detroit 1989, Berlin 1991, Georgetown 1993, and Hong Kong 1995. Since their discovery over sixty years ago, eicosanoids have come to represent a diverse family of bioactive lipid modulators, including prostaglandins, thromboxanes, leukotrienes, lipoxins, isoprostanes, heptoxilins, hydroxy acids, epoxy, and hydroperoxy fatty acids. The conference contained presentations regarding the regulation of eicosanoid enzymes and, in particular, cyclooxygenases, lipoxygenases, and phospholipases. In addition, recent evidence over the last seven years has led to the identification of a number of receptors for these bioactive lipids. The new field of isoprostanes was represented. It has become increasingly evident that eicosanoids play a critical role in signal transduction, both in normal cells and in pathological processes. These aspects were discussed in relation to cellular events, such as apoptosis, angiogenesis, and cancer prevention and treatment. The editors are deeply indebted to our major contributors, which include: Radiation Oncology Research & Development Corporation, Detroit; Monsanto Corporation; Merck Frosst-Quebec; ONO Pharmaceuticals Co., Ltd.; and Searle Pharmaceuticals. Additional generous contributions were received from 14 other corporations, institutes, etc., which are acknowledged elsewhere in this volume. We are grateful to the invited speakers and participants, and for the submission of manuscripts.



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