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15 Biosynthesis and Degradation of Anandamide, an Endogenous Ligand of Cannabinoid Receptors; 16 Inhibitors of Eicosanoids; 17 Biology and Chemistry of Products of the Isoprostane Pathway; 18 Insight into Prostanoid Functions: Lessons from Receptor-knockout Mice; SECTION FOUR IMMUNOLOGY, ENDOCRINOLOGY AND METABOLIC REGULATION; 19 Perspectives and Clinical Significance of Eicosanoids in Immunology, Endocrinology and Metabolic Regulation; 20 Prostaglandins and the Immune Response; 21 Leukotrienes in Aspirin-intolerant Asthma; 22 Essential Fatty Acids
23 Endothelial Secretory Function and Atherothrombosis; 24 Molecular Regulation of Pancreatic Islet Prostaglandin Synthesis and its Relevance to Diabetes Mellitus; 25 Prostaglandins, Leukotrienes and Bone; 26 Ageing and Prostaglandins; SECTION FIVE INFLAMMATION; 27 Perspectives and Clinical Significance of Eicosanoids in Pain and Inflammation; 28 Antiinflammatory Steroids; 29 Eicosanoids and Algesia in Inflammation; 30 Cyclooxygenase-2 in Cancer; 31 Cytokines and Eicosanoids in Arthritis; SECTION SIX CIRCULATORY SYSTEM
32 Perspectives and Clinical Significance of Eicosanoids in the Circulatory System; 33 Aspirin and Activated Platelets; 34 Generation of Vasoactive Prostanoids by the Cyclooxygenase-2 Pathway in the Cardiovascular System of the Rat; 35 Eicosanoid Generation and Effects in Cardiac Muscle and Coronary Vessels; SECTION SEVEN DIGESTIVE SYSTEM; 36 Perspectives and Clinical Significance of Eicosanoids in the Digestive System; 37 Eicosanoids and Liver Regeneration; 38 Eicosanoids and the Intestine; 39 Eicosanoids and Stomach Physiology; SECTION EIGHT NERVOUS SYSTEM
40 Perspectives and Clinical Significance of Arachidonic Acid Release, Action and Metabolism in the Nervous System

Sommario/riassunto

This comprehensive reference work, updated from the first edition, brings together the knowledge and expertise of contributors from around the world. It includes new topics such as prostaglandin synthetase enzyme, new synthetic eicosanoids, innovative analytical methods, the influence of cytokines in the regulation of synthesis and actions, newer eicosanoids that influence the cardiovascular system, and newly discovered roles in reproduction and interactions with nitric oxide. This book satisfies a surge of interest in prostaglandins-NSAIDS (e.g. aspirin) are the biggest selling drugs of all
