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Nota di contenuto	TRYPTOPHAN RELATED SIGNALING MOLECULES: TARGETS AND FUNCTIONS -- TRYPTOPHAN AND CELL DEATH -- TRYPTOPHAN AND NITRIC OXIDE IN ALLERGY.-Tryptophan metabolites: A microbial perspective -- THE ROLE OF L-TRYPTOPHAN KYNURENINE PATHWAY METABOLISM IN VARIOUS INFECTIOUS DISEASES: FOCUS ON INDOLEAMINE 2,3-DIOXYGENASE 1 -- EVALUATION OF TRYPTOPHAN METABOLISM IN CHRONIC IMMUNE ACTIVATION -- DIABETES AND TRYPTOPHAN METABOLISM -- 3-HYDROXYKYNURENIC ACID AND TYPE 2 DIABETES: IMPLICATIONS FOR AGING, OBESITY, DEPRESSION,

PARKINSON'S DISEASE AND SCHIZOPHRENIA -- THERAPEUTICAL IMPLICATIONS OF MELATONIN IN ALZHEIMER'S AND PARKINSON'S DISEASES -- TRYPTOPHAN METABOLISM AND SLEEP -- TRYPTOPHAN IN MOLECULAR HEMATOPOIESIS -- NIGHT-SHIFTS AND MELATONIN: RELEVANCE TO AGE AND BREAST CANCER -- CHEMOTHERAPEUTIC AGENTS IN CANCER TREATMENT AND TRYPTOPHAN METABOLISM.- INDOLEAMINE 2,3-DIOXYGENASE-COMPETENT REGULATORY DENDRITIC CELLS AND THEIR ROLE IN ALLOIMMUNE REGULATION AND TRANSPLANT IMMUNE TOLERANCE -- WINE FLAVOR AND TRYPTOPHAN

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Sommario/riassunto

This book discusses the relationship between cellular immunity and tryptophan metabolism, as well as its products, serotonin and melatonin, in the development of several diseases and reappraises the common signal transduction pathways of the neurodegenerative diseases, carcinogenesis, immune tolerance, inflammation, hypersensitivity reactions, neuropsychiatric disorders, in addition to bacterial tryptophan biosynthesis and novel antimicrobials. Tryptophan Metabolism: Implications for Biological Processes, Health and Disease presents fundamental information on tryptophan related metabolic pathways and metabolites, implications of these products for specific biological processes, diseases and conditions. This book focuses on effects of tryptophan metabolites on human health and will appeal to researchers, clinicians and students within this field.

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