

1. Record Nr.	UNINA9910484526703321
Titolo	5-ht2b receptors : from molecular biology to clinical applications // edited by Luc Maroteaux, Laurent Monassier
Pubbl/distr/stampa	Cham, Switzerland : , : Springer, , [2021] ©2021
ISBN	3-030-55920-3
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (VIII, 401 p. 44 illus.)
Collana	The Receptors, , 1048-6909 ; ; 35
Disciplina	612.8042
Soggetti	Neurosciences Human physiology Receptors de serotonina Fisiologia humana Neurociències Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Gene structure, expression, and 5-HT _{2B} receptor signaling.-Serotonin function during embryonic development: the 5-HT _{2B} receptor contribution -- Stem cells to decipher the physiological roles of 5-HT _{2B} receptor signaling.-The serotonergic system in hematopoiesis and hematopoietic disorders -- The 5-HT _{2B} receptor, the immune system and neuroinflammation.-5-HT _{2B} Receptor on Macrophages: What for?.-Bone and 2B Serotonin receptor.-Roles of 5-HT _{2B} receptor in pain -- 5-HT _{2B} receptor, the heart and blood vessels.-5-HT _{2B} receptor in Cardiopulmonary Disease -- Serotonin and cardiac Valves Degeneration in dog -- The discovery of 5-HT _{2B} receptor pharmacology through the understanding of drug- induced valvulopathy -- Serotonin and fibrosis -- 5-HT _{2B} receptors in liver -- Metabolic Regulation: Insulin secretion and action -- Drugs of abuse affecting 5-HT _{2B} receptors.-The Role of 5-HT _{2B} receptor on Aggression and Drugs of Abuse -- Role of the serotonin 2B receptor in the reinforcing effects of psychostimulants -- Serotonin 2B receptor interactions with dopamine network: implications for therapeutics in

schizophrenia -- A Role for the 5-HT_{2B} receptor in the Neurobiology of Schizophrenia -- 5-HT_{2B} receptors and antidepressants -- Serotonin and the 5-HT_{2B} receptor in amyotrophic lateral sclerosis.

Sommario/riassunto

This contributed volume provides a comprehensive assessment of the roles played by 5-HT_{2B} receptors in humans. These receptors have been shown to play an important role in the cardiac, intestinal, and central nervous systems as well as in bone marrow formation and growth. In this book, expert researchers present their findings on molecular and physiological/pathological aspects of 5-HT_{2B} receptors. The molecular section includes a discussion of the genetics of 5-HT_{2B} receptors and impulse control. The physiological section covers their role in many biological systems including the nervous system, the heart, and the lungs.
