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Altri autori (Persone)	ChattopadhyayAmitabha <1956->
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Nota di contenuto	Front cover; Contents; Series Preface; Preface; Editor; Contributors; Chapter 1. Quantitative Imaging of Serotonin Autofluorescence with Multiphoton Microscopy; Chapter 2. Monitoring Receptor-Medicated Changes of Intracellular cAMP Level by Using Ion Channels and Fluorescent Proteins as Biosensors; Chapter 3. Membrane Organization and Dynamics of the Serotonin 1A Receptor Monitored Using Fluorescence Microscopic Approaches; Chapter 4. Calmodulin Is a 5-HT Receptor-Interacting and Regulatory Protein; Chapter 5. Identification of Novel Transcriptional Regulators in the Nervous System Chapter 6. Serotonin 2A (5-HT2A) Receptor Function: Ligand-Dependent Mechanisms and PathwaysChapter 7. The 5-HT1A Receptor: A Signaling Hub Linked to Emotional Balance; Chapter 8. Do Limits of Neuronal Plasticity Represent an Opportunity for Mental Diseases, Such as Addiction to Food and Illegal Drugs? Use and Utilities of Serotonin Receptor Knock-Out Mice; Chapter 9. Use of Mice with Targeted Genetic Inactivation in the Serotonergic System for the Study of Anxiety; Index; Back cover
Sommario/riassunto	A number of developments spanning a multitude of techniques makes this an exciting time for research in serotonin receptors. A

comprehensive review of the subject from a multidisciplinary perspective, *Serotonin Receptors in Neurobiology* is among the first books to include information on serotonin receptor knockout studies. With contributions from leading experts in their fields, the book explores serotonin receptors from a broad-based, multidisciplinary approach. The approaches described vary from molecular biological techniques to fluorescence microscopy and imaging, to genetic manipulation i
