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| Nota di contenuto | Chapter 1 Assessment of Itch and Pain in Animal Models and Human Subjects -- Chapter 2 Allergic Contact Dermatitis: A Model of Inflammatory Itch and Pain in Human and Mouse -- Chapter 3 Modulation of C-nociceptive Activities by Inputs from Myelinated Fibers -- Chapter 4 Pathophysiologic basis of the treatment of spontaneous pain -- Chapter 5 Neuropathic Pain: Sensory Nerve Injury or Motor Nerve Injury? -- Chapter 6 T cell and subsets in neuropathic pain -- Chapter 7 Astrocyte and microglia in chronic postsurgical pain -- Chapter 8 Dorsal spinal modulation of neuraxial opioids induced pruritus -- Chapter 9 Peripheral Nociceptors as Immune Sensors in the Development of Pain and Itch -- Chapter 10 Mas-Related G Protein-Coupled Receptors Offer Potential New Targets for Pain Therapy -- Chapter 11 Pain Modulation and the Transition from Acute to Chronic Pain -- Chapter 12 Integrated, Team-Based Chronic Pain Management: Bridges from Theory and Research to High Quality Patient Care -- |

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| | Chapter 13 Research progress of long-acting analgesics for the treatment of chronic pain -- Chapter 14 Update in the Treatment of Neuropathic Pain -- Chapter 15 Mechanisms of peripheral sensitization in neuropathic pain. |
| Sommario/riassunto | This book provides a comprehensive review of the latest advances in translational pain and itch research, and presents the cutting-edge developments in the study of our two principal, yet most mysteries sensations. Despite the slow progress in the discovery of effective therapies for chronic pain and pruritus, scientists around the globe now have a better understanding of why and how these conditions occur. Based on these findings, a series of novel treatment strategies are currently under development, and hopefully in a few years, medical practitioners will become more confident and optimistic when facing patients with these annoying and sometimes severe disorders. The contributing authors are world-renowned research scientists, who have made significant discoveries. The book is of interest to neuroscientists, neurologists and pharmacologists in both clinical and basic medical research field. In this second edition of the book, five existing chapters have been updated. Fivenew chapters have been added to reflect the lasted developments in the related field of research. |