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Nota di contenuto	Painful multi-symptom disorders : a systems perspective / C. Richard Chapman -- Neurotrophic factors and nociceptor sensitization / Michael P. Jankowski and H. Richard Koerber -- The role of visceral afferents in disease / Julie A. Christianson and Brian M. Davis -- Cancer pain : from the development of mouse models to human clinical trials / Juan Miguel Jimenez Andrade and Patrick Mantyh -- Therapeutic targeting of peripheral cannabinoid receptors in inflammatory and neuropathic pain states / Igor Spigelman -- Molecular strategies for therapeutic targeting of primary sensory neurons in chronic pain syndromes / Ichiro Nishimura ... [et al.] -- Transgenic mouse models for the tracing of "pain" pathways / Allan I. Basbaum and Joao M. Braz -- Cytokines in pain / Veronica I. Shubayev, Kinshi Kato, and Robert R. Myers -- Glial modulation in pain states : translation into humans / Ryan J. Horvath, Edgar Alfonso Romero-Sandoval, and Joyce A. De Leo -- On the role of ATP-gated P2X receptors in acute, inflammatory, and neuropathic pain / Estelle Toulme ... [et al.] -- Myalgia and fatigue : translation from mouse sensory neurons to fibromyalgia and chronic

fatigue syndromes / Alan R. Light, Charles J. Vierck, and Kathleen C. Light -- Reflex autonomic responses evoked by group III and IV muscle afferents / Jennifer L. McCord and Marc P. Kaufman -- Central pain as a thalamocortical dysrhythmia : a thalamic efference disconnection? / Kerry D. Walton and Rodolfo R. Llinas -- What can neuroimaging tell us about central pain? / D.S. Veldhuijzen ... [et al.] -- Human brain imaging studies of chronic pain : translational opportunities / A. Vania Apkarian -- Consideration of pharmacokinetic pharmacodynamic relationships in the discovery of new pain drugs / Garth T. Whiteside and Jeffrey D. Kennedy -- Large animal models for pain therapeutic development / Darrell A. Henze and Mark O. Urban -- Drug discovery and development for pain / Sandra R. Chaplan, William A. Eckert III, and Nicholas I. Carruthers.

Sommario/riassunto

One of the Most Rapidly Advancing Fields in Modern Neuroscience The success of molecular biology and the new tools derived from molecular genetics have revolutionized pain research and its translation to therapeutic effectiveness. Bringing together recent advances in modern neuroscience regarding genetic studies in mice and humans and the practicality of clinical trials, Translational Pain Research: From Mouse to Man effectively bridges the gap between basic research and patient care by humanely examining rodent models for pain associated with