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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Tools for optogenetic probing of nociceptive pathways; Monitoring activity -- An open science model to accelerate the generation, implementation and distribution of optogenetics and viral tools -- Vagal neuroinflammation accompanying respiratory viral infection: An overview of mechanisms and possible clinical significance -- Stress-induced Visceral Analgesia: Concept and Pathways -- Evidence of early life stress exposure and epigenetic modifications in functional chronic pain disorders -- EPIGENETIC REGULATION OF STRESS-INDUCED VISCERAL PAIN -- The biomechanics and mechanotransduction in visceral nociception -- VISCERAL NOCICEPTION IN GASTROINTESTINAL DISEASE -- Epithelial-Neuronal Communication in Visceral Pain -- Physiological Mechanisms Underpinning Heightened Perception of Visceral Afferent Signalling in Irritable Bowel Syndrome -- A fentanyl analogue that activates u-opioid receptors in acidified tissues inhibits colitis pain without opioid side effects -- Signalling in the Gut -- Translating colonic sensory afferent peripheral mechanosensitivity into the spinal cord dorsal horn -- Translating colonic afferent peripheral sensitivity into the spinal cord dorsal horn -- Neuron-Microglia Dynamic Duo in Chronic Abdominal Pain -- Pre-clinical Models of Endometriosis -- Spinal afferent innervation of the uterus -- Post-

	infectious bladder hypersensitivity in the development of Interstitial Cystitis/Bladder Pain Syndrome (IC/BPS).
Sommario/riassunto	The chapters in this book are based on the Visceral Pain conference in Adelaide, Australia, under the auspices of the International Federation for Neurogastroenterology and Motility in 2021. This is one of the hottest fields of science and includes mechanisms involving how the microbiome communicates with the brain and how, when disordered, these mechanisms contribute to clinical diseases such as Irritable Bowel Syndrome and Inflammatory Bowel Disease. Researchers from around the globe presented their latest findings as a review of the current state of the art in the field from both the clinical and scientific points of view. These systems are now appreciated as being critical for shaping our well-being and their disorders underlie chronic clinical conditions of significant morbidity and mortality. The author team includes long-established authorities who significantly contributed to the advances in visceral pain research over the past two decades and the new generation that will continue to contribute to advancing our understanding of the field.