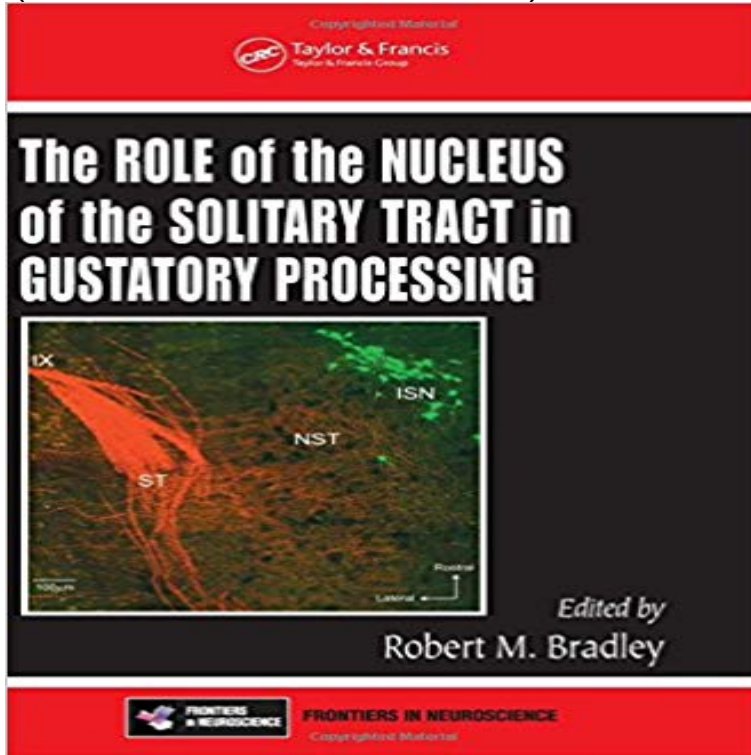


The Role of the Nucleus of the Solitary Tract in Gustatory Processing (Frontiers in Neuroscience)



Providing an essential brainstem relay for three cranial nerves, the NST coordinates highly complex sensory information. While other functions of the NST have received attention, its role in gustatory processing has received little. The first reference devoted exclusively to gustatory processing, *The Role of the Nucleus of the Solitary Tract in Gustatory Processing* offers an in-depth review of one of the most important central relay stations in the brain. Combining widely dispersed research into a comprehensive single volume, it presents a thorough historical background, documents the anatomy of the rostral nucleus of the solitary tract (rNST), and explores the properties of synaptic transmitters and neurons within that tract. The book examines the role of reflex activities and considers factors that influence how gustatory rNST neurons respond to taste stimuli. It describes the development and maturational changes the rNST undergoes and considers the challenge involved with identifying rNST neural circuits. *The Role of the Nucleus of the Solitary Tract in Gustatory Processing* brings together expert investigators who have contributed substantially to the current knowledge of the anatomy, physiology, and developmental biology of the solitary nucleus. This pertinent work serves as a standard reference for those involved in the field, providing ready access to past investigations and inviting practitioners to create new approaches that will advance knowledge about the central processing of gustatory information.

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More to the point, the labeled-line hypothesis assumes that the relays in the central taste pathway have a minimal role in sensory processing Frontiers in Neuroscience **The Role of the Nucleus of the Solitary Tract in Gustatory Processing** cavity initiate the processing of gustatory information (CN, central nucleus BLA, nucleus of solitary tract PBN, parabrachial nucleus pVPMpc, parvocellular part of respectively disruption of the expression or function of specific proteins new Frontiers in Behavioral Neuroscience January 2012 Volume 5 Article 87 **The Role of the Nucleus of the Solitary Tract in Gustatory Processing** Find great deals for Frontiers in Neuroscience: The Role of the Nucleus of the Solitary Tract in Gustatory Processing (2006, Hardcover / Hardcover). Shop with **The Role of the Nucleus of the Solitary Tract in Gustatory Processing** Anatomy of the Rostral Nucleus of the Solitary Tract. Michael S. King. Citation Information. 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