

## Oral Sensory Mechanisms (Frontiers of Oral Biology, Vol. 4)



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**Frontiers The Nervous System Orchestrates and Integrates** Title Page / Contents / Foreword. Kawamura Y (ed): Oral Sensory Mechanisms. Front Oral Biol. Basel, Karger, 1983, vol 4, pp I-X (DOI:10.1159/000407366). **The Effects of Diabetes on Salivary Gland Protein Expression of** Mar 1, 2017 Less clear is whether diabetes are corellated to oral mucosal lesions. Select Volume and Issue neurosensory disorders and mucosal lesions in oral cavity of type 2 4. Moore PA, Guggenheimer J, Etzel KR, Weyant RJ, Orchard T. Glandular mechanisms of salivary secretion. Frontiers of oral biology. **Frontiers Gray Matter Volume and Resting-State Functional** Feb 2, 2016 The mechanisms of this impact, as we understand it now, span from the targeted release of The face has emerged with various separated sensory organs due to a . This, in turn, would allow for a coordinated volume increase over the brain and oral epithelium based on Shh, Fgf8, and BMP4 signaling. **Analysis of particles produced at the end of mastication in subjects** Jul 12, 2016 Volume 2016 (2016), Article ID 7231038, 7 pages Orofacial Development and Regeneration, Institute of Oral Biology, Centre for Dental Medicine, University of Zurich, 8032 Zurich, Switzerland . regarding the role of innervation in stem cell behavior and the mechanisms that drive tooth reinnervation [6]. **Autonomic Nervous System/Oral Physiology and Pharmacology** Nov 14, 2016 November 2016 Volume 4 Article 127. Edited by: . epidermis that outlines the oral field and traces the edges of the four larval arms), cilia **Our journey from the study of human autoantibodies to - Frontiers** This is an important issue, for it is not yet clear how oral fat is sensed, and evidence In addition, the brains representation of oral fat is frequently in terms of particular combinations with other sensory aspects Gustatory mechanisms have been revealed in rat oral taste cells that may mediate a .. Frontiers of Oral Biology. **Salivary Diagnostics in Pediatrics: Applicability - Frontiers** Laryngoscope 123:29004. Hollinshead WH 1982 Anatomy for Surgeons, vol I: The Head and Neck, 3rd ed. Steele CM, Miller AJ 2010 Sensory input pathways and mechanisms in swallowing: a Frontiers of Oral Biology Series, vol 9. **Innovative Dental Stem Cell-Based Research Approaches:**

The jaw-closing activity and thus may protect intra-oral structures, and even the . for the application of 18 test stimuli (see protocol below). During .. Mechanisms underlying the effects of remote noxious stimuli sensory nuclei (for review see Le Bars et al. 1992). In this . Basis of Eating, Frontiers of Oral Biology, vol. 9, ed. **Non-Periodontal Oral Manifestations of Diabetes: A Framework for** Biology (1COB), ((Oral Biology and Dental Implants, held in. Baveno, Italy, June structure. In: Frontiers of oral physiology. Vol. 4. Oral sensory mechanisms. **Feeding: Form, Function and Evolution in Tetrapod Vertebrates - Google Books Result Oral Sensory Mechanisms - Karger Publishers** Frontiers of Oral Biology. Editor(s): Sharpe P.T. (London). Cover. Vol. 18 , 2016 Biomaterials for Oral and Craniomaxillofacial Applications. Editor(s): Deb S. **Oral Biosciences: The annual review 2016 - Science Direct** Jul 5, 2014 Yet, four billion years of evolution could have selected networks with topologies and Systems Biology of Intelligence: Reconstructing the Emergence of However, mechanisms only suffice to explain how the features are .. in the oral cavity and corresponding decrease in oxygen availability in the gut), **Frontiers of Oral Biology Home - Karger Publishers** Bibliographic Details. Frontiers of Oral Biology, Vol. 4. Oral Sensory Mechanisms Editor(s): Kawamura Y. (Osaka) X + 130 p., 57 fig., 7 tab., hard cover, 1983 **Frontiers Sensing marine biomolecules: smell, taste, and the** Autonomic Neuroscience - Oral Physiology and Pharmacology with the classical transmitters as well as to the plasticity of the various mechanisms. In addition, the possibility of efferent functions of sensory nerves in the glands is also in the field of Autonomic Nervous System Biology Frontiers of oral biology, vol 11. **Remote noxious stimuli modulate jaw reflexes evoked by activation** Sep 29, 2014 Marine liposoluble terpenoids have also been studied for their ability to indicate a . considered the real aquatic sense of taste, exploiting molecular mechanisms similar to Conversely the nudibranchs oral tentacles constantly touching the substrate and .. Biology of Sensory Systems, Second Edition. **Grays Anatomy E-Book: The Anatomical Basis of Clinical Practice - Google Books Result** Journal of Oral Rehabilitation Only about 80% of the initial weight of food taken into the mouth could be recovered after mastication for particle size analysis. **Oral Symptoms and Mucosal Lesions in Patients with - De Gruyter** Arch. Oral Biol. Franks, H. A., A. W. Crompton, and R. Z. German (1984) Mechanism of intraoral food transport Frontiers of Oral Biology Series, Vol.9. Karger **Frontiers Drosophila Bitter Taste(s) Frontiers in Integrative** Apr 20, 2017 the ability of saliva to inform caregivers about both oral health and systemic disease, have led to the Serum biomarkers have long been the gold standard for diagnostic testing (16). . sensory integration (NPHP4, PLXNA1). .. Glandular Mechanisms of. Salivary Secretion: Frontiers of Oral Biology. (Vol. **Non-directional Photoreceptors in the Pluteus of - Frontiers** Oct 30, 2015 Most of these taste sensilla house four gustatory neurons and a mechanosensitive neuron In flies at least two groups of sensory cells can be distinguished on the basis of the .. Open 3, 2228. doi: 10.1242/bio.20136973 . Dual mechanism for bitter avoidance in Drosophila. Olfaction and Taste, (Vol. **OSSEOPERCEPTION: SENSORY FUNCTION AND** Anderson, D.J., A.G. Hannam, and B. Matthews: Sensory Mechanisms in In: Frontiers in Oral Physiology, Vol. 4, pp. 55-79. ( Y. Kawamura, Ed.) Karger, Basel **Masticatory muscle pain and disordered jaw motor behaviour** Feb 3, 2017 Analogous reorganizations also occur in non-sensory systems such as . The axons of each of the four ganglion cells elaborated on average Glandular Mechanisms of Salivary Secretion (Frontiers of Oral Biology , Vol. **Systems approaches to computational modeling of the oral** Department of Oral Function, Section of Oral Kinesiology., Academic Centre for and allowing for time to heal the damaged tissues by immobilization of the masti- to influence the cervical motor system, which may partly explain the mechanism behind the .. The scientific basis of eating Frontiers of oral biology, vol. 9. May 23, 2014 Saliva has multiple functions that include lubrication of the oral cavity to Sympathetic innervation is important for salivary secretion and about the genetic and cellular mechanisms of gland development. Classic developmental biology experiments used ex vivo embryonic .. Frontiers of oral biology. **Neural Representation of Fat Texture in the Mouth - Fat Detection** Diabetes Spectrum Volume 24, Number 4, 2011. F. R. O. M. R. E. S the periodontal tissues, oral mucosa, salivary gland Figure 1. Oral manifestations of diabetes and their mechanisms and .. taste (dysgeusia) or other sensory dis- tortions.51 . Mechanisms of Salivary Secretion: Frontiers of Oral Biology, vol. 10. Garrett **Autonoma nervsystemet/oral fisiologi och farmakologi - Farmakologi** Dec 14, 2015 We analyzed alterations in grey matter volume (GMV) using Taiwan 3Institute of Oral Biology, School of Dentistry, National Yang-Ming University, Taipei, Taiwan In addition to the peripherally oral conditions, mastication is a highly . age-related brain mechanisms of mastication and aging (Onozuka et **Oral Sensory Mechanisms - Table of Contents - Karger Publishers** Jan 16, 2016 However, the specific mechanisms by which NO regulates salivary gland Furthermore, understanding the role of NO-BH4 pathway may give insight to Diabetes mellitus-induced oral health problems are highly prevalent in . Diabetic rats also showed a decreased volume (mL/min) of saliva (DB: 0.027 **Frontiers Macromolecular networks and intelligence in** Dec 15, 2016 The

Journal of Oral Biosciences is devoted to the advancement and of the Japanese Association for Oral Biology: Frontiers of oral physiology, Genetic and . Yamazaki and colleagues reviewed the molecular mechanisms by which .. cortex functions like association cortex in other sensory systems. **Anatomy, biogenesis, and regeneration of salivary glands - NCBI** Jul 10, 2013 mechanisms and biomarkers for prevention and treatment of chronic disorders. Keywords: oral microbiome, in silico modeling, systems biology, systems medicine, July 2013 Volume 4 Article 172 1 Frontiers in Physiology Computational Physiology and Medicine .. sensory inputs in the trigger of. **Central Connections of Trigeminal Primary Afferent Neurons** Autonomic Neuroscience - Oral Physiology and Pharmacology In addition, the possibility of efferent functions of sensory nerves in the glands is the oral epithelium, are of major importance for the protection of the oral mucosa, and the . Frontiers of oral biology, vol 11. Neural Mechanisms of Salivary Gland Secretion. **Similar synapse elimination motifs at successive relays in the same** Mar 3, 2017 is essential for prevention of many complications, including those in oral cavity. the presence of xerostomia, neurosensory disorders and mucosal lesions in oral cavity of Possible mechanisms that may be associated with some oral . Balk J Dent Med, Vol 21, 2017. Oral .. Frontiers of oral biology.