

Aitkin, L.M., Dickhaus, H., Schult, W., Zimmermann, nucleus of inferior colliculus: auditory and spinal somatosensory afferents and their interactions. *J. Neurophysiol.* 41 (4), 837-847. Retrieved from: [http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Citation&list\\_uids=681989](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Citation&list_uids=681989).

Al-Kaisy, A., Van Buyten, J.P., Smet, I., Palmisani, S., Pang, D., Smith, T., 2014. Sustained effectiveness of 10 kHz high-frequency spinal cord stimulation for patients with chronic, low back pain: 24-month results of a prospective multicenter study. *Pain Med.* 15 (3), 347- 354. <http://dx.doi.org/10.1111/pme.12294>.

Barchini, J., Tchachaghian, S., Shamaa, E., [abbur, S.J., Meyerson, B.A., Song, Z., et al., 2012. Spinal segmental and supraspinal mechanisms underlying the pain-relieving effects of spinal cord stimulation: an experimental study in a rat model of neuropathy. *Neuroscience* 215, 196--208. <http://dx.doi.org/10.1016/j.neuroscience.2012.04.057>.

Bjomsdotter, M., Morrison, I., Olausson, H., 2010. Feeling good: on the role of C fiber mediated touch in interoception. *Exp. Brain Res.* 207 (3-4), 149-155. <http://dx.doi.org/10.1007/s00221-010-2408-y>.

Craig, A.D., 2002. How do you feel? Interoception: the sense of the physiological condition of the body. *Nat. Rev. Neurosci.* 3 (8), 655- 666. <http://dx.doi.org/10.1038/nrn894>.

Craig, A.D., 2004. Distribution of trigeminothalamic and spinothalamic lamina I terminations in the maeaque monkey. *J. Comp. Neurol.* 477 (2), 119-148. <http://dx.doi.org/10.1002/cne.20240>.

Bursts as a unit of neural information: selective communication via resonance. *Trends Neurosci.* 26 (3), 161-167. [http://dx.doi.org/10.1016/S0166-2236\(03\)00034-1](http://dx.doi.org/10.1016/S0166-2236(03)00034-1).

DeRidder,D., van der Loo, E., Van der Kelen, K, Menovsky, T., van de Heyning, P., Moller, A, 2007a. Do tonic and burst TMS modulate thelemniscal and extralemniscal system differentially? *Int. J. Med.*

Melzack, R, Wail, P.D., 1965. Pain mechanisms: a new theory. : 150 (699), 971-979. Retrieved from: [http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Citation&list\\_uids=5320816](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Citation&list_uids=5320816).

North, RB., Ewend, M.G., Lawton, M.T., Piantadosi, S., 1991. S cord stirnulation for chronic, intraetabie pain: superiority of "n channel" deviees. *Pain* 44 (2), 119-130 doi: 0304-3959(91)90125

Nunemaker, C.S., Satin, L.S., 2005. A tale of two rhythms: a caml tive review of pulsatile endocrine systems regulating insulin GnRH secretion. *Cellscience Rev.* 2 (1), 92-126.

Olausson, H., Wessberg, L Morrison, I., McGlone, E, Vailbo, A., ; The neurophysiology of unmyelinated tactile afferents. *Neut Biobehav Rev.* 34 (2), 185-191. <http://dx.doi.org/10.1010/neubiorev.2008.09.011>.

Pereda, AE., 2014. Electrical synapses and their functional interact with chemical synapses. at. Rev. Neurosci. 15 (4), 250–263. <http://dx.doi.org/10.1038/nrn3708>.

Schu, S., Slotty, P.J., Bara, G., von Knop, M., Edgar, D., Vesper, L 201 Burst or tonic stimulation? First results of a placebo controlle doubled blinded, randomized study for the treatrnent of FB patients.In: Paper presented at the NANS, Las Vegas, USA

Kucyi, A., Davis, K.D., 2015. The dynarnic pain connectome. Trends Neurosci. 38 (2), 86--95. <http://dx.doi.org/10.1016/j.tins.2014.11.006>.

Liljencrantz, J., Marshall, A, Ackerley, R, Olausson, H., 2014. Discrirninate and affective touch in human experirmental tactile ailodynia. Neurosci. Lett. 563, 75-79. <http://dx.doi.org/10.1016/j.neulet.2014.01.041>.

Lisman, J.E., 1997. Bursts as a unit of neural information: making unre- liable synapses reliable. Trends Neurosci. 20 (1), 38-43. Retrieved from: [http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrive&db=PubMed&dopt=Citation&list\\_uids=9004418](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrive&db=PubMed&dopt=Citation&list_uids=9004418).

Loken, L.S., Wessberg, J., Morrison, I., McGlone, E, Olausson, H., 2009. Coding of pleasant touch by unmyelinated afferents in humans. Nat. Neurosci. 12 (5), 547-548. <http://dx.doi.org/10.1038/nn.2312>.

Seeley, W.W., Menon, v.. Schatzberg, A.E, Keiler, L Glover, G.H Kenna, H., et al., 2007. Dissociable intrinsic connectivity networ for salienee processing and executive control. J. Neurosci. 27 (9 2349-2356. <http://dx.doi.org/10.1523/JNEUROSCI.5587-06.2007>.

Voloh, B., Valiante, T.A., Everling, S., Womelsdorf, T., 2015. Theta- gamma coordination between anterior cingulate and prefron- tal cortex indexes correct attention shifts. Proe. Natl. Acad. Sci. U.S.A. 112 (27), 8457-8462. <http://dx.doi.org/10.1073/pnas.1500438112>.

Vukadinovic, Z., Rosenzweig, I., 2012. Abnormalities in thalamic neu- rophysiology in schizophrenia: could psychosis be a result of potas- sium channel dysfuntion? Neurosci. Biobehav Rev. 36 (2), 960-968. <http://dx.doi.org/10.1016/j.neubiorev.2011.11.005>.

Wall, P.D., Sweet, W.H., 1967. Temporary abolition of pain in man. Science 155 (3758), 108-109. Retrieved from: [http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrive&db=PubMed&dopt=Citation&list\\_uids=6015561](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrive&db=PubMed&dopt=Citation&list_uids=6015561).

Welter, M.L., Burbaud, P., Fernandez-Vidal, S., Bardinet, E., Coste, J., Piallat, B., et al., 2011. Basal ganglia dysfunction in OCD: subtha- lamie neuronal activity correlates with symptoms severity and pre- diets high-frequency stimulation efficacy. Transl. Psychiatry 1, e5. <http://dx.doi.org/10.1038/tp.2011.5>.

Zweifel, L.S., Parker, J.G., Lobb, CJ., Rainwater, A, Wall, V.Z., Fadok, J.P., et al., 2009. Disruption of NMDAR-dependent burst firing by dopamine neurons provides selective assessment of phasic dopa- mine-dependent behavior. Proc. Natl. Acad. Sci. U.S.A 106 (18), 7281-7288. <http://dx.doi.org/10.1073/pnas.0813415106>.

