Neuroplasticity and Pain Bibliography

- Abalo, R, et al, the Gastrointestinal Pharmacology of Cannabinoids: Focus on Motility, Pharmacology, March, 2012: 901-910.
- Abbott, NJ, et al, Astrocyte-endothelial interactions at the blood brain barrier, Nature Review, Nature Neuroscience, 2006, Volume 7, 41-53.
- Abumaaria, N, et al, Effects of Elevation of Brain Magnesium on Fear Conditioning, Fear Extinction, and Synaptic Plasticity in Infralimbic Prefrontal Cortex and Lateral Amygdala, Journal of Neuroscience, October 19, 2011, 31(42) 14871-14881.
- Adler, MG, Fagley, NS, Appreciation: Individual Differences in Finding Value and Meaning as a Unique Predictor of Subjective Well-Being, Journal of Personal and Social Psychology, Feb;73(1):79-114.
- Aguzzi, A, Barres, BA, Bennett, ML, Microglia: Scapegoat, Saboteur, or Something Else? Science, January, 2013; 339(6116): 156-161.
- Anaker, C, et al, Gluccocorticoid Receptor: Pivot of Depression and of Antidepressant Treatment? ScienceDirect: Psychoneuroendocrinology, (2011) 36, 415-425.
- Andari, E, et al, Promoting Social Behavior with Oxytocin in High-functioning Autism Spectrum Disorders, PNAS, Mar 2 2010;107(9):4389-4394.
- Annand P, et al, Curcumin and cancer: An "old-age" disease with an "age-old" solution, Cancer Lett. 2008 Aug 18;267(1):133-64.
- Armulik, et al, Pericytes Regulate the Blood-Brain Barrier, Nature, 12/25/2010, Volume 468, 468, 557-461.
- Andari, E, Promoting Social Behavior with Oxytocin in High- functioning autism Spectrum Disorders, www.pnas.org/cgi/doi/10.1073/pnas.0910249107
- Asadulla, K, et al, Interleukin-10 Therapy—Review of a New Approach, Pharmacological Reviews 55:241–269, 2003, 241-269.
- Attwell, D, et al, Glial and Neuronal Control of Brain Blood Flow, Nature, Vol 468, No 11, November 2010, 232-243.
- Aukland, K and Reed, RK, Interstitial-Lymphatic Mechanisms in the Control of Extracellular Fluid Volume, The American Physiological Society, Vol 78, No1, January, 1993, 1-78.
- Auld DS, Robitaille R, Glial Cells and Neurotransmission: An Inclusive View of Synaptic Function. Neuron 2003 Oct 9; 40(2):389-400.
- Bacula, R, et al, Constitutive Production of Inflammatory and Mitogenic Cytokines by Rheumatoid Synovial Fibroblasts, Journal of Experimental Medicine, March, 1991, Volume 173, 569-574.
- Baggott, Andy. The Encyclopedia of Energy Healing. Sterling Publishing Company, Inc., New York, New York, 1999.
- Baliki, MN, Baria, A, Apkarian, V, The Cortical Rhythms of Chronic Back Pain, Journal of Neuroscience. Sep 28, 2011;31(39):13981-13990.
- Baliki MN, Geha PY, Apkarian AV, Parsing Pain Perception Between Nociceptive Representation and Magnitude Estimation, J Neurophysiol. 2009 Feb; 101(2):875-87.

- Belluk, Pam, To Tug Hearts, Music Must First Tickle Our Neurons, New York Times, April 19, 2011.
- Bergami, M, et al, Uptake and recycling of pro-BDNF for transmitter-induced secretion by cortical astrocytes, Journal of Cell Biology, VOLUME 183 NUMBER 2 2008, 213-221.

Berridge KC, Pleasures of the Brain, Brain and Cognition, 52 (2002) 106-128.

Berridge, KC Comparing the Emotional Brain of Humans and Other Animals, in Handbook of Affective Sciences, ed Davidson, R, et al, 2003, Oxford University, 25-51.

- Berridge KC and Kringelbach, ML, Affective Neuroscience of Pleasure: Reward in Humans and Animals, Psychopharmacology (2008) 199:457–480.
- Berridge KC, et al, The Tempted Brain Eats: Pleasure and Desire Circuits in Obesity and Eating Disorders, BRAIN RESEARCH 1350 (2010) 43–64.
- Berridge, KC and Kringelbach, ML, Building a Neuroscience of Pleasure and Wellbeing, Psychology of Well-Being: Theory, Research and Practice, 2011,1:3, 1-26.
- Bhat, R, et al, Inhibitory Role for GABA in Autoimmune Inflammation, PNAS, February 9, 2010, Volume 107, No 6, 2580- 2585.
- Binder, DK and Scharfman, HE, Brain-Derived Neurotrophic Factor, Growth Factors, September, 2004; 22(3); 123-131
- Blackburn-Munro, G and Blackburn-Munro, RE, Chronic Pain, Chronic Stress and Depression: Coincidence or Consequence? Journal Of Neuroendocrinology, 2001, Volume 13, 1009-1023.
- Blakesley S and Blakesley M, The Body has a Mind of It's Own: How Body Maps in Your Brain Help You Do (Almost) Everything Better, Random House, 2008
- Bliss T, Collingridge G, Morris R, Synaptic Plasticity in the Hippocampus, in <u>The Hippocampus Book</u>, ed Andersen P, et al, 2007 Oxford University, 343-474.
- Bliss T, Collingridge G, A Synaptic Model of Memory: Long-term Potentiation in the Hippocampus, Nature, Vol 361, 1993 31-39.
- Bredy, TW, et al, Histone Modification Around Individual BDNF Gene Promoters inPrefrontal Cortex Are Associated with Extinction of Conditioned Fear, Learning & Memory, 2007, 14:267-276.
- Brown, LF, et al, Fibroblast Migration in Fibrin Gel Matrices, American Journal of Pathology, Volume 142, Number 1, January, 1991, 273-283.
- Bucala R, et al, Constituitive Production of Inflammatory and MItogenic Cytokines by Rheumatoid Synovial Fibroblasts, Journal of Experimental Medicine, Volume 173, March 1991, 569-574.
- Buckner, RL, Andrews-Hanna, JR, Schacter, DL, The Brain's Default Network: Anatomy, Function, and Relevance to Disease, Annals of the New York Academy of Science, March, 2008; 1124, 1-38
- Calzado MA, Bacher S and Schmitz, ML NF- B Inhibitors for the Treatment of Inflammatory Diseases and Cancer, Current Medicinal Chemistry, 2007, 14, 367-376.

- Chiu, IM, von Hehn, CA, Woolf, CJ, Neurogenic Inflammation and the Peripheral Nervous System in Host Defense and Immunopathology, Nature Neuroscience, July 2012; 15(8): 1063-1067.
- Costa Del Velgo, MAL, et al, Acute effects of endocannabinoid anandamide and CB1 receptor antagonist, AM251 in the regulation of thyrotropin secretion, *Journal of Endocrinology* (2008) **199**, 235-242.
- Cowen, WM and Kandal ER, "A Brief History of Synapses and Synaptic Transmission," in <u>Synapses</u>, ed Cowen, et al, 2001, Johns Hopkins University Press.
- Cozolino, L, <u>The Neuroscience of Human Relationships: Attachment and the</u> <u>Developing Brain</u>, 2006 WW Norton & Company, New York.
- Crane, JD, et al, Massage Therapy Attenuates Inflammatory Signaling After Exercise-induced Muscle Damage, <u>www.sciencetranslationalmedicine.org</u>, February 2012, Volume 4, Issue 119, 8 p.
- Crowell P, Prevention and Therapy of Cancer by Dietary Monoterpenes, Symposium on Phytochemicals: Biochemistry and Physiology, Journal of Nutrition, 129: 775S to 778S, 1999.
- Cunha, TM, et al, A Cascade of Cytokines Mediates Mechanical Inflammatory Hypernociception, PNAS, February 1, 2005, vol 102, no 5, 1775-1760.
- Dalmau, J, et al, Anti-NMDA-receptor Encephalitis: Case series and Analysis of the Effects of Antibodies, Lancet Neurology, December, 2008; 7(12), 1091-1098.
- Danese, A, et al, Adverse Childhood Experiences and Adult Risk Factors for Age-Related Disease, Archives of Pediatric and Adolescent Medicine, 2009; 163 (12): 1135-1143.
- Davies, SJ, et al A Novel Treatmentof Postherpetic Neuralgia Using Peppermint Oil, The Clinical Journal of Pain, May/June2002, Volume 18(3), 200-202.
- Davis, KD, et al, Human Anterior Cingulate Cortex Neurons Encode Cognitive and Emotional Demands, The Journal of Neuroscience, September 14, 2005, 25(37):8402-8406; doi:10.1523/JNEUROSCI.2315-05.2005.
- De Petrocellis, L, The Endogenous Cannabinoid Anandamide Inhibits Human Breast Cancer Cell Proliferation, Proceedings of the National Academy of Science, USA, Volume 95, July 1998, 8375-8380.
- Dickinson, BD, et al, Maldynia: Pathophysiology and Management of Neuropathic and Maladaptive Pain–A Report of the AMA Council on Science and Public Health, Pain Medicine, 2010: 11, 1635-1653.
- DiGiovanna, EL, Schiowitz, S, Dowling, DJ. An Osteopathic Approach to Diagnosis and Treatment, 3rd, ed. Lippincott, Williams and Wilkins, Philadelphia, PA, 2005.
- DiLeone, RJ, Neuroscience Gets Nutrition, Nature Neuroscience, Volume 14, Number 3, March, 2011, 271-272.
- Di Marzo, V, Anandamide serves two masters in the brain, Nature Neuroscience volume 13, number 12, December 2010, 1446-1448.
- Di Marzo, V, Endocannabinoid signaling in the brain: biosynthetic mechanisms in the limelight, Nature Neuroscience, Volume 14, No. 1, January, 2011, 9-15. Doidge, N, <u>The Brain That Changes Itself</u>, Penguin Group, 2007.

- Doursout, M, Inflammatory Cells and Ctyokines in the Olfactory Bulb of a Rat Model of Neuroinflammation; Insights into Neurodegeneration? Journal of Interferon & Cytokine Research, July, 2013; 33(7), 376-383.
- Doyle C, Palmer J, Munglani R, Hunt S, Molecular consequences of noxious stimulation, in Borsook D, editor, Molecular neurobiology of pain, Seattle, IASP Press, 1997, 145-169.
- Dudek, SM and Bear, MF, Homosynaptic Long-term Depression in Area CA1 of Hippocampus and Effects of N-methyl-D-aspartate Receptor Blockade, Proceedings of the National Academy of Sciences, May 1992, Volume 89, 4363-4367.
- Durston S, et al <u>Anatomical MRI of the developing human brain: what have we</u> <u>learned?</u> J. Am. Acad. Child Adolesc. Psychiatry 40: 1012-1020.
- Edwards, RR, et al Association of Catastrophizing with Interleukin-6 Responses to Acute Pain, Pain, November 15, 2008, 140(1): 135-144.
- Efrati, S, et al, Hyperbaric Oxygen Induces Late Neuroplasticity in Post Stroke Patients-Radomized, Prospective Trial, PLoS One, 2013;8(1):e53716.
- Esposito, G, et al, Cannabidiol Reduces Aβ-induced Neuroinflammation and Promotes Hippocampal Neurogenesis Through PPARγ Involvement, PLoS One, December, 2011, Volume 6, Issue 12, e28668.
- Faure, A, et al, Desire and Dread from the Nucleus Accumbens: Cortical Glutamate and Subcortical GABA Differentially Generate Motivation and Hedonic Impact in the Rat, PLoS ONE, June 2010, Volume 5, Issue 6.
- Feldenkrais, Moshe. The Master Moves. Meta Publications, Meta, CA, 1984.
- Felitti, D, Relationship of Childhood Abuse and Household Dysfunction to Many of the Leading Causes of Death in Adults, American Journal of Preventive Medicine, 1998, 14 (4) p 245 to 258.
- Findley, TW, Schleip,R, eds.Fascia Research: Basic Science and Implications for Conventional and Complementary Health Care. Urban and Fischer, Munchen, 1997.
- Fiz, J, et al, Cannabis Use in Patients with Fibromyalgia: Effects on Symptoms Relief and Health-related Quality of Life, PLoS One, April, 2011, Volume 6, Sissue 4 e18440.
- Frenkel, D, et al, Nasal Vaccination with Myelin Oligodendrocyte Glycoprotein Reduces Stroke Size by Inducing IL-10-Producing CD4 T Cells, J Immunol 2003;171;6549-6555.
- Freund, TF and Katona, I, Perisomatic Inhibition, Science Direct: Neuron, Volume 56, issue 1, 4 October 2007, 33-42.
- Froc, DJ, et al, Long Term Depression and Depotentiation in the Sensorimotor Cortex of the Freely Moving Rat, The Journal of Neuroscience, January 1, 2000, 20(1), 438-445.
- Froc, DJ and Raine, RJ, Interactions Between LTP and LTD-Inducing Stimulation in the Sensorimotor Cortex of the Awake Freely Moving Rat, Journal of Neurophysiology, 93; 2005, 548-556.
- Gabbay, et al, Anterior Cingulate Cortex γ-Aminobutyric Acid in Depressed Adolescents: Relationship to Anhedonia, Archives of General Psychiatry, February, 2012; 69(2)139-149.

- Gallese V, Intentional Attunement. The Mirror Neuron system and its role in interpersonal relations, http://www.interdisciplines.org/mirror/papers/
- Gallese V, et al, "A Unifying View of the Basis of Social Cognition, www.sciencedirect.com, 2004
- Ge S, et al, A Critical Period for Enhanced Synaptic Plasticity in Newly Generated Neurons of the Adult Brain, Neuron, 54, May 23, 2007, 559-556
- Geha PY, et al, The brain in chronic CRPS pain: Abnormal gray-white matter interactions in emotional and autonomic regions, Neuron 60, 570-581, 11/26/2008.
- Geppetti, P, et al, Antidromic Vasodilation and the Migraine Mechanism, Journal of Headahce Pain (2012), 13:103-111.
- Glykys, J and Mody, I, Activation of GABA_A Receptors: Views from Outside the Synaptic Cleft, ScienceDirect Neuron, Volume 56, Issue 5, 6 December 2007, 763-770.
- Goel V, Dolan RJ, The functional anatomy of humor: segregating cognitive and affective components, Nat Neurosci. 2001 Mar;4(3):237-8.
- Goerg, KJ and Spilker, TH, Effect of Peppermint oil and Caraway Oil on Gastrointestinal Motility i Healthy Volunteers: A Pharmacodyamic Study using Simultaneous Determinatjon of Gastric and Gallbladder Emptying nd Orocaecal Transit Time, Alimentary Pharmacology & Therapeutics, February, 2003, 17(3)445-451.
- Gogtay N, et al, Dynamic mapping of human cortical development during childhood through early adulthood, PNAS, May 25, 2004 vol. 101 no.21, 8174–8179.
- Gould E, Structural Plasticity, in <u>The Hippocampus Book</u>, ed Andersen P, et al, 2007, Oxford University Press, 321-341.
- Gray, MA, et al, Modulation of emotional appraisal by false physiological feedback during fMRI, PLoS One, June 2007 I Issue 6 I e546.
- Grover, LM, et al, LTP in Hippocampal Area CA1 Induced by Burst Stimulation Over a Broad Frequency Range Centered around Delta, www.learnmem.org/cgi/doi/10.1101/lm.1179109
- Haber, SN, Knutson, B, The Reward Circuit: Linking Primate Anatomy and Human Imaging, Neuropsychopharmacology Reviews, (2010) 35, 4-26.
- Hao, S, et al, Low Dose Anandamide Affects Food Intake, Cognitive Function, Neurotransmitter and Corticosterone Levels in Diet-Restricted Mice, European Journal of Pharmacology, Volume 392, Issue 3, March 31, 2000 147-156.
- Haber, SN, Knutson, B, The Reward Circuit: Linking Primate Anatomy and Human Imaging, Neuropharmacology, Neuropharmacology Reviews, (2010)35, 4-26.
- Harder, DR, et al, Actrocytes Function in Matching Blood Flow to Metabolic Activity, News Physiology Science, Vol 16, February, 2002, 27-31.
- Haroon, E, et al, Psychoneuroimmunology Meets Neuropsychopharmacology: Translational Implications of the Impact of Inflammation on Behavior, Neuropsychopharmacology Reviews, (2012) 37, 137-162

Haydon, PG and Carignoto, G, Astrocyte Control of Synaptic Transmission and Neurovascular Coupling, Physiol Rev 86: 1009–1031, 2006

Heckler, RS. The Anatomy of Change: A Way to Move through Life's Transitions. North Atlantic Books, Berkeley, CA, 1993.

 Heine, L, et al, Resting State Networks and Consciousness: Alterations of Multiple Resting State Nework Connectivity in Physiological, Pharmacological and Pathological Consciousness States, Frontiers of Psychology, August 27, 2012, Volume 3, Article 295, www.frontiersin.org.

Heon-Jin, L, et al, Oxytocin: The Great Facilitator of Life, NIH Public Acesss Manuscript, Prog Neurobiol, 2009, June; 88(2): 127-151.

Herry, C, et al, Neuronal Circuits of Fear Extinction, European Journal of Neuroscience, Vol. 31, pp. 599–612, 2010.

Hindinger, C, et al, IFN-γ Signaling to Astrocytes Protects from Autoimmune Mediated Neurological Disability, PLoS One, July, 2012, Volume 7, e42088.

Howard, MA, et al, Beyond Patient Reported Pain: Perfusion Magnetic Resonance Imaging Demonstrates Reproducible Cerebral Representation of Ongoing Post-surgical Pain, PLoS, February, 2011, Volume 6, Issue 2, e7096, 10 pp.

Hosang, GM, et al, Interaction Between Stress and the BDNF Val66Met Polymorphism in Depression: A Systematic Review and Meta-analysis, BMC Medicine, 2014, 12:7, 1-11.

- Hu, S, et al, Patterns of Brain Activiton During Visually Evoked Sexual Arousal Differ Between Homosexual and Heterosexual Men, American Journal of Neuroradiology, November-December, 2008, 1890-1896.
- Huang, Y, et al, Altered Histone Acetylation at Glutamate Receptor 2 and Brain-Derived Neurotrophic Factor Genes Is an Early Event Triggered by Status Epilepticus, The Journal of Neuroscience, October 1, 2002, 22(19):8422– 8428.
- Hyland, NP and Cryan, JFA Gut Feeling About GABA: Focus on GABA_B Receptors, Frontiers of Pharmacology, Oct 4, 2010;1:124.
- Hyman, JM, et al, Stimulation in Hippocampal Region CA1 in Behaving Rats Yields Long-Term Potentiation when Delivered to the Peak of Theta and Long-Term Depression when Delivered to the Trough, The Journal of Neuroscience, December 17, 2003, 23(37): 11725-11731.
- Iacoboni M, et al, Grasping the Intentions of Others with One's Own Mirror Neuron System, PLOS online, http://biology.plosjournals.org/ perlserv/?request=get-documents&doi=10.371/journal.pbio. 0030079&ct=1, 2005
- Jaggar, SI, et al, The Anti-hyperalgesic Actions fo the Canabinoid Anandamide and the Putative CB2 Receptor Agonist Palmitoylethonolamide in Visceral and Somatic Inflammatory Pain, Pain, May, 1998;76(1-2):189-199.

Jain N, et al, Growth of new brainstem connections in adult monkeys with massive sensory loss, PNAS, May 9, 2000, vol. 97, no. 10, 5546-5550.

Jessen, KR, et al, GABA May be a Neurotransmitter in the Vertebrate Peripheral Nervous System, Nature, September 6, 1979; 281, 71-74.

- Jones, BE. The Difference a D.O. Makes: Osteopathic Medicine in the Twentieth Century. Times-Journal Publishing Co., Oklahoma City, Oklahoma, 1978.
- Jung RE, et al, Neuroanatomy of Creativity, Human Brain Mapping, March, 2010, 31: 398-409.
- Justinova, Z, et al, The Endogenous Cannabinoid Anandamide and Its Synthetic Analog R()-Methanandamide Are Intravenously Self-Administered by Squirrel Monkeys, The Journal of Neuroscience, June 8, 2005 • 25(23): 5645–5650 • 5645.
- Kathuria, S, et al, Modulation of Anxiety Through Blockade of Anandamide Hydrolysis, Nature Medicine, Volume 9, Number 1, January 2003, 76-81.
- Kealey SM, Kim Y, Whiting WL, Madden DJ, Provenzale JM, Determination of multiple sclerosis plaque size with diffusion-tensor MR Imaging: comparison study with healthy volunteers.Radiology. 2005 Aug;236(2): 615-20
- Kelly, JM, et al, Does gamma-aminobutyric acid (GABA) influence the development of chronic inflammation in rheumatoid arthritis? Journal of Neuroinflammation 2008, 5: 1-6.
- Kemp, A and Manahan-Vaughan, D, 5-Hydroxytryptamine₄ Receptor Exhibits Frequency-dependent Properties in Synaptic Placticity and Behavioural Metaplasticity in the Hippocampal CA1 Region In vivo, Cerebral Cortex, July, 2005; 15: 1037-1043.
- Kemp, A and Manahan-Vaughan, D, The Hippocampal CA1 Region and Dentate Gyrus Differentiate Between Environmental and Spatial Feature Encoding Through Long Term Depression, April, 2008; 18: 968-977.
- Kemp, A and Manahan-Vaughan, D, β-adrenoreceptors Comprise a Critical Element in Learning Facilitated Long Term Plasticity, Cerebral Cortex, June, 2008; 18: 1326-1334.
- Kim, SF, et al, Antipsychotic Drug-induced Weight Gain Mediated by Histamine H1 Receptor-linked Activation of Hypothalamic AMP-kinase, PNAS, February 27, 2007, Volume 104, Number 9, 3456-3459.
- Kim W, et al, Temporal Changes in Functional Magnetic Resonance Imaging Activation of Heterosexual Couples for Visual Stimuli of Loved Partners, Psychiatry Investigation, 2009; 6: 19-25.
- Kealey SM, Kim Y, Provenzale JM, Redefinition of multiple sclerosis plaque size using diffusion tensor MRI, J Magn Reson Imaging. 2007 Sep;26(3):552-6.
- Kiecolt-Glaser JK, et al, Olfactory Influences on Mood and Autonomic, Endocrine, and Immune Function, *Psychoneuroendocrinology*. 2008 April ; 33(3): 328– 339.
- Kirsch, P, et al, Oxytocin Modulates Neural Circuitry for Social Cognition and Fear in Humans, The Journal of Neuroscience, December 7, 2005 • 25(49): 11489 –11493 • 11489.
- Kishima, H, et al, Motor Cortex Stimulation in Patients with Deafferentation Pain: Activation of the Posterior Insula, Journal of Neurosurgery, July, 2007; 107(1): 43-48.
- Koranda, JL, Masino, SA, Blaise, JH, Biderectional Synaptic Plasticity in the

Dentate Gyrus of the Awake Freely Behaving Mouse, Journal of Neuroscience Methods, 2008, January 30; 167(2), 160-166.

- Kornelsen, J, et al, Default Mode Network Functional Connetivity Altered in Failed Back Surgery Syndrome, The Journalof Pain, Volume 14, No 5, May, 2013, 483-491.
- Kosfeld, M, et al, Oxytocin Increases Trust in Humans, Nature, Vol 435/June 2, 2005 673-676.
- Kovac, L, The Biology of Happiness: Chasing Pleasure and Human Destiny, Published online: March 13, 2012.
- Kovacs G, et al, NR2B containing NMDA receptor dependent windup of single spinal neurons, Neuropharmacology. 2004 Jan;46(1):23-30.
- Krantis, A, GABA in the Mammalian Enteric Nervous System, News Physiology Science, Volume 15, December 2000, 284-290.
- Kringelbach ML and Berridge KC, ed, Pleasures of the Brain, Oxford University Press, 2010
- Kringelbach ML and Berridge KC, Towards a functional neuroanatomy of pleasure and happiness, Towards a functional neuroanatomy of pleasure and happiness, Trends in Cognitive Sciences Vol.13 No.11, 479-483.
- Krishima, H, et al, Motor Cortex Stimulation in Patients with Deafferentation Pain: Activation of the Posterior Insula and Thalamus, Journal of Neurosurgery, 2007 July; 107(1), 43-48.
- Kut, E, et al, Pleasure-related Analgesia Activates Opioid-insensitive Circuits, Journal of Neuroscience, March 16, 2011 31(11): 4148-4153.
- Lang, EW, et al, Brain Connectivity Analysis: A Short Survey, Computational Intelligence and Neuroscience, Volume 2012, Article ID 412512, 21 pages.
- Limb CJ, Braun AR, Neural Substrates of Spontaneous Musical Performance: An fMRI Study of Jazz Improvisation, PloS, February. 2008, Vol 3 1-9.
- LeDoux, J, <u>Synaptic Self: How our Brains Become Who We Are</u>, Penguin Books, Ltd, 2002.
- Lee, AS, et al, A Current Review of Molecular Mechaisms Regarding Osteoarthritis and Pain, Gene, 527 (2013), 440-447.
- Lee, H, et al, Oxytocin: The Great Facilitator of Life, Progress in Neurobiology, June, 2009; 88(2), 127-151.
- Leknes, S, et al, Relief as Reward: Hedonic and Neural Responses to Safety from Pain, PLoS One, April, 2011, Volume 6, Issue 4, e17870, 10 pp.
- Lemon, N and Manahan-Vaughan, D, Dopamine D₁/D₅ Receptors Gate the Acquisition of Novel Information through Hippocampal Long Term Potentiation and Long Term Depression, The Journal of Neurosceience, July, 19, 2006, 26(29):7723-7729.
- Lenzi D, et al, Neural Basis of Maternal Communication and Emotional Expression Processing during Infant Preverbal Szzge, Cereb Cortex. 2008 Oct 10.
- Levitin, DJ, <u>This is Your Brain on Music: The Science of a Human Obsession</u>, Penguin Press, 2006
- Levy, D, Endogenous Mechanisms Underlying the Activation and Sensitization of Meningeal Nociceptors: The Role of Immunovascular Interactions and

Cortical Spreading Depression, Current Pain and Headache Report, June 2012; 16(3): 270-277.

- Li, Z, et al, Relations Between BOLD fMRI-derived Resting Brain Activity and Cerebral Blood Flow, PLoS One, September 2012, Volume 7, Issue 9, e44556
- Lister, R, et al, Hotspots of Aberrant Epigenomic Reprogramming in Human Induced Pluripotent Stem Cells, Nature, Volume 471, March 2011,
- Livingston K, et al, Touch and Massage for Medically Fragile Infants, Evidence Based Complementary and Alternative Medicine, 2007 Aug 6.
- Loggia, ML, et al, Default Mode Network Connectivity Encodes Clinical Pain: An Arterial Spin Labeling Study, Pain, 2013, 154, 24-33.
- Luo, T and Leung, LS, Endogenous Histamine Facilitates Long Term Potentiation in the Hippocampus During Walking, The Journal of Neuroscience, June 9, 2010, 30(23), 7845-7852.
- Luu, P and Posner, MI, Anterior Cingulate Cortex Regulation of Sympathetic Activity, Brain, Vol. 126, No. 10, 2119-2120, October 2003.
- Ma, C, et al, Resting-state Functional Connectivity Bias of Middle Temporal Gyrus and Caudate with Altered Gray Matter Volume in Major Depression, PLoS One, September, 2012, Volume 7, Issue 9, e45263.

Maddock, RJ, et al, Remembering familiar people: the posterior cingulate cortex and autobiographical memory retrieval, Neuroscience, 2001;104(3):667-76.

Magnaghi, V, et al, GABA Receptor Mediated Effects in the Peripheral Nervous System: A Cross-interaction with Neuroactive Steroids, Journal of Molecular Neuroscience, 2006; 28(1): 89-102.

Magnaghi, V, GABA and Neuroactive Steroid Interactions in Glia: New Roles for Old Players? Current Neuropharmacology, 2007, 5, 47-64.

Mahler, SV, et al, Endocannabinoid Hedonic Hotspot for Sensory Pleasure: Anandamide in Nucleus Accumbens Shell Enhances 'Liking' of a Sweet Reward, Neuropsychopharmacology (2007) 32, 2267–2278.

Maier SF Bi-directional immune-brain communication: implications for understanding stress, pain, and cognition, Brain Behav Immun, 2003, Apr; 17 (2): 69-85

Malenka, RC, Synaptic Plasticity in the Hippocampus: LTP and LTD, Cell, Augus 26, 1994, Volume 78, 535-538.

Mann, EO and Paulson, O, Role of GABAergic inhibition in hippocampal network oscillations, RENDS in Neurosciences Vol.30 No.7, 343-349.

- Mansour, AR, et al, Brain White Matter Structural Properties Predict Transition to Chronic Pain, Pain, 154 (2013) 2160-2168.
- Martin, JH, Neuroanatomy Text and Atlas, McGraw-Hill Companies, Inc, 2003.
- Mathew, Sanjay J., et al "Glutamate-Hypothalamic-Pituatary Adrenal Axis Interactions: Implications for Mood and Anxiety Disorders,"CNS Spectrums, 6(7): 555-564, 2001.
- Matre, DA, et al, "First Pain" in Humans: Convergent and Specific Forebrain Responses, Molecular Pain, 2010, 6:81 13 pp.
- Mayberg HS, et al, Deep Brain Stimulation for Treatment-Resistant Depression, Neuron, Vol 45, 651-660, 03 March 2005

McInnes, I and Schett, G, Cytokines and the Pathogeneisis of Rheumatoid Arthritis, Nature Reviews Immunology 7, June 2007, 429-442.

- Mellor J and Nicoll RA, Hippocampal mossy fiber LTP is independent of postsynaptic calcium, 2001 Nature Publishing Group, http:// neurosci.nature.com
- Melzack R, Pain and the Neuromatrix in the Brain, Journal of Dental Education, Volume 65, No 12, 1378- 1382, 2001.
- Melzack R, Wall PD Pain mechanisms: A new theory, Science, 11/19/1965, Vol 150, No 3699, 971-979.
- Mika, J, Modulation of Microglia can Attenuate Neuropathic Pain Symptoms and Enhance Morphine Effectiveness, Pharmacological Reports, 2008, 60, 297-307.
- Miranda, MI, et al, Glutamatergic activity in the amygdala signals visceral input during taste memory formation, PNAS ,August 20, 2002, vol. 99, no. 17.
- Mitchell, MD, et al, IL-1β Stimulates Rat Cardiac Fibroblast Migration via MAP Kinase Pathways, American Journa of Physiological- Heart and Circulatory Physiology, 292:H1139- H1147, 2007.
- Monteleone, P, Blood Levels of the Endocannabinoid Anandamide are Increased in Anorexia Nervosa and in Binge-Eating Disorder, but not in Bulimia Nervosa, Neuropsychopharmacology (2005) 30, 1216–1221.
- Moskowitz, MH, Central Influences on Pain, in Slipman, C, et al editors, Interventional Spine, Elsevier, 2008.
- Moskowitz, MH, Fishman, SM, The Neurobiological and Therapeutic Intersections of Pain and Affective Disorders, Focus, Fall 2006, Vol IV, No 4, 465-471.
- Moss M, et al, Modulation of cognitive performance and mood by aromas of peppermint and ylang-ylang, Int J Neurosci. 2008 Jan;118(1):59-77.
- Movsesyan, VA, et al, Anandamide-indused Cell death inPrimary Neuronal Cultures: Role of Calpain and Caspase Pathways, Cell Death and Differentiation (2004) 11, 1121-1132.
- Muñoz, M and Coveños, R, Involvement of Sustance-P and the NK-1 Receptor in Human Pathology, Amino Acids. July, 2014; 46(7):1727-1750.
- Murillo-Rodriguez, E, et al, Anandamide Enhances Extracellular Levels of Adenosine and Induces Sleep: An *In Vivo Microdialysis Study*, SLEEP, Vol. 26, No. 8, 2003.
- Nakamura, H, et al, Hippocampal CA1/Subiculum-prefrontal Cortical Pathways Induce Plastic Changes of Nociceptive Responses in Cingulate and Prelimbic Areas, Neuroscience, 2010, 11:100, 9 pp.
- Napadow, V, et al, Brain Correlates of Phasic Autonomic Response to Acupuncture Stimulation: An Event-related fMRI Study, Human Brain Mapping, April 14, 2012; 34(10), 2592-2606.
- Napadow, V, et al, Decreased Intrinsic Brain Connectivity is Associated with Reduced Clinical Pain in Fibromyalgia, Arthritis & Rheumatism, July, 2012Volume 64, Number 7, 2398-2407.
- Netter, FH. Atlas of Human Anatomy, 2nd ed., Novartis, New Jersey, 1997.

Nicoletti, M, et al, Impact of Neuropeptide Substance-P, an Inflammatory Compound on Arachidonic Acid Compound Generation, International Journal of Immunpathology Pharmacology, Oct-Dec, 2012; 25(4), 849-857

Nova, 2001, <u>www.pbs.org/wgbh/ nova/mind/electric.html</u> Nova, 2001, www.pbs.org/wgbh/ nova/mind/electric.html

Nowacka, M,Obucowicz, E, BDNF and VEGF in the Pathogenesis of Stress-induced Affective Diseases: An Insight from Experimental Studies, Pharmacological Reports, 2013, 65, 535-546

Nummenmaa, L, et al, Bodily Maps of Emotions, PNAS, January 14, 2014, 11(2), 646-651.

Occipinti, R, et al, Energetics of inhibition: insights with a computational model of the human GABAergic neuron–astrocyte cellular complex, *journal of Cerebral Blood Flow & Metabolism* **30**, 1834-1846 (November 2010).

Olausson H, et al, Neural basis of sensitive skin: an fMRI study, Neurosci Biobehav Rev. 2008 Oct 8, [Epub ahead of print]

- Olsen, RW, GABA, in Neuropharmacology: The Fifth Generationof Progress, Ed Davis, KL, et al, American College of Neuropharmacology, 2002, 159-168.
- Onaivi, ES, Commentary: Functional Neuronal CB2 Cannabinoid Receptors in the CNS, Current Neuropharmacology, 2011, 9, 205 to 208
- Otti, Alexander, et al, Frequency Shifts in the Anterior Default Mode Network and the Salience Network in Chronic Pain Disorder, BMC Psychiatry, 2013, 13:84, http://www.biomedcentral.com/1471-244X/13/84.
- Parkitny, L, et al, Inflamatin in the Complex Regional Pain Syndrome: A Systematic Review and Meta-anaysis, Neurology, 2013;80;106-117.
- Paul, G, et al, The Adult Human Brain Harbors Multipotent Perivascular Mesenchymal Stem Cells, PLoS One, April 2012, Volume 7, Issue 4, 11 pp.
- Pecina S and Berridge, KC, Hedonic Hot Spot i Nucleus Accumbens Shell: Where do μ-opioids Cause Increased Hedoic Impact of Sweetness? The Journal of Neuroscience, December 14, 2005; 25(50), 11777-11786.
- Pecina S, Smith KC, and Berridge, KC, Hedonic Hot Spots in the Brain, THE NEUROSCIENTIS, Volume 12, Number 6, 2006, 500-511.

Pereira, A and Furlan, FA, Astrocytes and human cognition: Modeling information integration and modulation of neuronal activity, Progress in Neurobiology 92 (2010) 405–420.

Pera, MF, The Dark Side of Induced Pluripotency, Nature, Volume 471, 3 March 201, 46-47.

- Price D, <u>Psychological Mechanisms of Pain and Analgesia</u>,1999, IASP Press, Seattle.
- Querleux B, et al, Neural basis of sensitive skin: an fMRI study, Skin Research and Technology, 2008 Nov;14(4):454-61.Links
- Ramachandran VS, Mirror Neurons and the Brain in the Vat, Edge, the Third Culture, 2006.
- Rauch, SL, et al, Neurocircuitry of Post-Traumatic Stress Disorder: Human Neuroimaging Research- Past, Present and Future, Biological Psychiatry, 2006;60: 376-382.

- Reed, RK and Rubin, K, Transcapillary Exchange: Role and Importance of the Interstitial Fluid Pressure and the Extracellular Matrix, Cardiovascular Research (2010)87, 211-217
- Ribiero, A, et al, Dose-response Effects of Systemic Anandamide Administration in Mice Sequentially Submitted to the Open Field and Elevated Plus-maze Tests, Brazillian Journal of Medical and Biological Research (2009), 42 556-560.
- Rolf IP, Rolfing: Reestablishing the Natural Alignment and Structural Integration of the Human Body for Vitality and Well Being, Healing Arts Press, 1989.
- Rosas, Debbie, Rosas, Carlos. The Nia Technique. Broadway Books, New York, New York. 2004.
- Rosenkranz JA, Johnston D. State-dependent Modulation of Amygdala inputs by Dopamine-induced Enhancement of Sodium Currents in Layer V Entorhinal Cortex. Journal of Neuroscience, Jun 27;27(26) 2007 7054-69.
- Saito, A, et al, Endocannabinoi8d System: Porential Novel Targets for Treatment of Schizophrenia, Neurobiology of Disease, (2012), http// dx.doi.org/j.nbd.2012.11.020.
- Salomens, TV, et al, Individual Differences in the Effects of Perceived Controllability on Pain Perception: Critical Role of the Prefrontal Cortex, Journal of Cogntive Neuroscience, 2007, June; 19(6)993-1003
- Sancho, R, et al, Anandamide Inhibits Nuclear Factor-κβ Activation through a Cannabinoid Receptor-Independent Pathway, The American Society for Pharmacology and Experimental Therapeutics, Vol. 63, No. 2, 2003.
- Sanctis, et al, Right hemispheric contributions to fine auditory temporal discriminations: high-density electrical mapping of the duration mismatch negativity (MMN), Frontiers in Integrative Neuroscience, April 2009, Volume 3, Article 5, 1-11.
- Sapir, CB, et al in Kandel,ER et al ed, <u>Principles of Neuroscience, Fourth Edition</u>, McGraw Hill, 2000, 349-380
- Sandrone, S, The Brain as a Crystal Ball: The Predictive Potential of Default Mode Network, Frontiers in Human Neuroscience, September, 2012; Voume 6, Article 261, http://www.frontiersin.org.
- Schaefer, M, Heinze, H, and Rotte M, Task-relevant modulation of primary somatosensory cortex suggests a prefrontal–cortical sensory gating system, NeuroImage 27 (2005) 130 135.
- Schleip, R, et al, Fascia Is Able to Contract in a Smooth Muscle-like Manner and Thereby Influence Musculoskeletal Mechanics, 5th World Congress of Biomechanics
- Schmelz M, A neural pathway for itch, Nature Neuroscience, Volume 4 No 1, January 2001
- Schmelzle-Lubiecki BM, et al, Long-term consequences of early infant injury and trauma upon somatosensory processing, European Journal of Pain. 2007 Oct;11(7):799-809
- Schultz RL, Feitis R, The Endless Web: Fascial Anatomy and Physical Reality,

North Atlantic Books, 1996.

Schwartzman, RJ, Systemic Complications of Complex Regional Pain Syndrome, Neuroscience & Medicine, 2012, http://www.scrip.org/journal/nm.

Semagor E, et al, GABAergic Control of Neurite Outgrowth and Remodeling During Development and Adult Neurgenesis: General Rules and Differences in Diverse Systems, Frontiers in Cellular Neuroscience, April, 2000, Vol 4, No. 11, 1-11.

Seminowicz, et al, Effective Treatment of Chronic Low Back Pain in Humans Reverses Abnormal BrainAnatomy and Function, The Journal of Neuroscience, 5/18/2011, 31 (20), 7540-7550.

Serhan, NC, Chiang, N and Van Dyke, TE, Resolving Inflammation: Dual antiinfammatory and Pro-resolution Lipid Mediators, Nature Reviews Immunology, 2008, May; 8(5)349-361.

- Sharot, T, De Martino, B, Dolan RJ, How Choice Reveals and Shapes Expected Hedonic Outcome, The Journal of Neuroscience, March 25, 2009, 3760-3765.
- Sheng, MH-T, "The Postsynaptic Specialization", in <u>Synapses</u>, ed Cowen, et al, 2001, Johns Hopkins University Press.
- Siegel, DJ, The Mindful Brain, WW Norton and Co, 2007.
- Sild, M and Ruthaser, ES, Radial Glia: Progenitor, Pathway, and Partner, The Neuroscientist, 17(3) 288–302.
- Sliz, D, et al, Neural Correlates of a Single-session Message Treatment, Brain Imaging and Behavior, 2012; 6, 77-87.
- Small, SA, et al, A Pathophysiological Framework of Hippocampal Dysfunction in Aging and Disease, Nature Reviews Neuroscience, Volume 12, October, 2011, 585-601
- Smith, KS and Berridge, KC Opioid Limbic Circuit for Reward: Interaction Between Hedonic Hotspots of Nucleus Accumbens and Ventral Pallidum, The Journal of Neuroscience, February 14, 2007- 27(7): 1594-1605.
- So PS, Jiang Y, Qin Y, Touch therapies for pain relief in adults, Cochrane Database Sys. Rev. 2008 Oct 8;(4):CD006535
- Sridharan, D, Levitan, D, Menon, V, A Critical Role for the Right Fronto-insular Cortex in Switching Between Central-executive and Default-mode Networks, PNAS, August 26, 2008, Volume 105, Number 34, www.pnas.org/cgi/doi/10.1073/pnas/0800005105.
- Standley, PR and Meltzer, MS, In Vitro Modeling of Repetitive Motion Strain and Manual Medicine Treatments: Potential Roles for Pro- and Anti-Inflammatory Cytokines, Journal of Bodywork Movement Therapeutics, July, 2008; 12(3); 201-203.
- Stegbauer, J, et al, Role of the Renin-angiotensin System in Autoimmue Inflammation of the Central Nervous System, PNAS September 1, 2001, Volume 106, Nukmber 35, 14942-14947.
- Sterzer, P, et al, A Structural Neural Deficit in Adolescents with Conduct Disorder and its Association with Lack of Empathy, Neuroimage, 2007, Aug 1; 37(1), 335-342.
- Stettler DD, et al. Axons and Synaptic Boutons Are Highly Dynamic in Adult Visual

Cortex Neuron 49, 877–887, March 16, 2006

Stettler DD, et al. Axons and Synaptic Boutons Are Highly Dynamic in Adult Visual Cortex Neuron 49, 877–887, March 16, 2006

- Stokes, JA, Corr, M, Yaksh, TL, Spinal Toll-like Receptor Signalling and Nociceptive Processing: REgulatory Balance Between TIRAP and TRIF Cascades Mediated by TNF and IFNβ, Pain, May, 2012,; 154(5), 733-742.
- Tanner K, Gold M, Reichling D, Levine J, Transduction and excitability in nociceptors: dynamic phenomena, in Borsook, D, editor, Molecular neurobiology of pain, Seattle, IASP Press, 1997, 79-105.
- The Life and Death of a Neuron, National Institute of Neurological Disorders and Stroke, <u>http://www.ninds.nih.gov/disorders/brain_basics/ninds_neuron.htm</u>
- Tokita, S, Tkahashi, K, Kotani, H, Recent Advances in Molecular Pharmacology of the Histamine Systems: Physiology and Pharmacology of Histamine H₃ Receptor: Roles in Feeding Regulation and Therapeutic Potential for Metabolic Disorders, Journal of Pharmacological Sciences, 2006, 101, 12-18.
- Toyoda, H, et al, Interplay of Amygdala and Cingulate Plasticity in Emotional Fear, Neural Plasticity, Volume 2011, Article ID 813749, 9 pages.
- Toronchuk, JA and Ellis, GFR, Disgust: Sensory Affect or Primary Emotional System, Cognition & Emotion, 2007.
- Tritsch, NX, Ding, JB, Sabatini, BL, Dopaminergic Neurons Inhibit Striatal Output Through Non-canonical Release of GABA, Nature, Oct 11, 2012;490(7419): 262-262.
- Tsanov, M and Manahan-Vaughan, D The Adult Visual Cortex Expresses Dynamic Synaptic Plasticity That is Driven by the Light/Dark Cycle, The Journal of Neuroscience, August 1, 2007, 27(31): 8414-8421.
- Uematsu, A, et al, Brain–gut communication via vagus nerve modulates conditioned flavor preference, European Journal of Neuroscience, Vol. 31, pp. 1136–1143, 2010.
- Upledger JE and Vredevoogd JD, Craniosacral Therapy, Eastland Press, Inc, 1983
- Upledger, JE. Craniosacral Therapy II: Beyond the Dura. Eastland Press, Seattle, 1987.
- Upledger, JE. Somatoemotional Release and Beyond. UI Publishing, Inc., Palm Beach Gardens, 1990.
- Varenna, M, et al, Treatment of Complex Regional Pain Skydrome Type I with Neridronate: A Randomized, Couble-blind, Placebo-controlled Study, rheumatology, March, 2013; 52(3): 534-542.
- venkatraman, V, et al, Sleep Deprivation Elevates Expectation of Gains and Attenuates Response to Losses Following Risky Decisions, Sleep, May 1, 2007; 30(5): 603-609.
- Vierbuchen, T, Direct conversion of fibroblasts to functional neurons by defined factors, Nature, 2010 February 25; 463(7284): 1035–1041.
- Wager, TD, Scott, DJ, Zubieta, HK, Placebo Effect on Human Mu Opioid Activity During Pain, Proceedings of the National Academy of Science, USA, 2007,

103(26), 11056-11061.

- Wang, L, Maher, TJ, Wurtman, RJ, Oral L-glutamine Increases GABA Levels in Striatal Tissue and Extracellular Fluid, The Journal of the Federation of Experimental Biology, April, 2007; Volume 21, 1227-1232.
- Wang, Y, et al, γ-Aminobutyric Acid Transporter 1 Negatively Regulates T Cell-Mediated Immune Responses and Ameliorates Autoimmune Inflammation in the CNS, *Journal of Immunology*, 2008;181;8226-8236.
- Watkins L, et al, Glia as the "bad guys": Implications for improving clinical pain control and the clinical utility of opioids, J Neuropsychiatry Clin Neurosci 19:358-362, November 2007.
- Weintraub, MI, Mamtani, R, Micozzi, MS. Complementary and Integrative Medicine in Pain Management. Springer Publishing Co., New York, 2008.
- Wilsey, B, et al, Low-dose Vaporized Cannabis Significantly Improes Neuropathic Pain, The Journal of Pain, http://dx.doi.org/10.1016/j.jpain.2012.10.009.
- Woolf CJ, Synaptic remodeling and pain, in <u>Molecular Neurobiology of Pain</u>, Borsook D, editor, 1997, Seattle, IASP Press,171-200.
- Woolf CJ, Turbocharging neurons for growth: accelerating regeneration in the adult CNS, Nat Neurosci. 2001 Jan;4(1):7-9.
- Wu, KL, Chan, SH, Chan JY, Neuroinflammation and Oxydative Stress in Rostral Ventrolateral Medulla Contribute to Neurogenic Hypertension Induced by Systemic Inflammation, Journal of Neuroinfammation, September, 7, 2012; 9(1), 212, <u>http://www.jneuroinflammation.com/content/9/1/212</u>
- Wyart C, et al, Smelling a Single Component of Male Sweat Alters Levels of Cortisol in Women, J. Neurosci., February 7, 2007 27(6):1261–1265.
- Yaksh T, Anatomy of the pain-processing system, in Waldman S, International pain management, 2nd Ed, W.B. Saunders, Philadelphia, 2001, 11-20.
- Yashimoto, R, et al, Therapeutic Porential of Histamine H₃ Receptor Agonist for the Treatment of Obesity and Diabetes Mellitus, PNAS, September 12, 2006, Vol103, Number 37, 13866 to 13871.
- Younger, J, et al, Viewing Pictures of a Romantic Partner Reduces Experimental Pain: Involvement of Neural Reward, PLoS One, October, 2010, Volume 5, Issue 10, 7 p.
- Younger, J, et al, Prescription Opioid Analgesics Rapidly Change the Human Brain, Pain, 152 (2011), 1803-1810.
- Yung, S and Chan, TM, Peritoneal Proteoglycans: Much More Than Ground Substance, Perotoneal Diaysis International, Volume 27, 375-390
- Xue, T, et al, Intrinsic BrainNetwork Abnormalities in Migraines without Aura Revealed in Resting-State fMRI, PLoS One, December 2012, Volume 7, issue 12, e52927.
- Xiong, W, et al, Cannabinoid Porentiation of Glycine Receptors Contributes to Cannabis-induced Analgesia, Nature Chemical Biology, May, 2011; 7(5): 296-303.
- Zak, PJ, et al, Oxytocin increases generosity in humans, PLoS One, November 2007 | Issue 11 | e1128.
- Zhang, TC, Janik,JJ, Grill,WM, Modeling the Effects of Spinal Cord Stimiuation on Wide Dynamic Range Dorsal Neurons: Influence of Stimulation Frequency

and GABAergic Inhibition, Journal of Neurophysiology, Apr 30, 2014, . Zhou, HY, Chen,S, Pan, H, Targeting N-mehtyl-D-aspartate Receptors for Treatment of Neuropathic Pain, Expert Review of Clinical Pharmacology, May 1, 2011; 4(3): 379-388.