

## References

- Allison, C., Bartholomew, K., Mayseless, O., & Dutton, D. (2008). Love as a battlefield: Attachment and relationship dynamics in couples identified for male partner violence. *Journal of Family Issues*. Vol (29):125-150.
- Amir, N., Weber, G., Beard, C., Bomyea, J., & Taylor, C. T. (2008). The effect of a single-session attention modification program on response to a public-speaking challenge in socially anxious individuals. *Journal of Abnormal Psychology*. Nov; 117(4):860-8.
- Anda, R. F., Felitti, V. J., Bremner, J. D., Walker, J. D., Whitfield, C., Perry, B. D., ... & Giles, W. H. (2006). The enduring effects of abuse and related adverse experiences in childhood: A convergence of evidence from neurobiology and epidemiology. *European Archives of Psychiatry and Clinical Neuroscience*, 256(3), 174–186.
- Arnsten, A. (2015). Stress weakens prefrontal networks: molecular insults to higher cognition. *Nature Neuroscience*, 18, 1376–1385.
- Arnsten, A., Raskind, M. A., Taylor, F. B., & Connor, D. F. (2015). The effects of stress exposure on prefrontal cortex: Translating basic research into successful treatments for post-traumatic stress disorder. *Neurobiology of Stress*, 1, 89–99.
- Aupperle, R. L., Melrose, A. J., Stein, M. B., & Paulus, M. P. (2012). Executive Function and PTSD: Disengaging from Trauma. *Neuropharmacology*, 62(2), 686–694.
- Banks, S. J., Eddy, K. T., Angstadt, M., Nathan, P. J., & Phan, K. L. (2007). Amygdala–frontal connectivity during emotion regulation. *Social Cognitive and Affective Neuroscience*, 2(4), 303–312.
- Bartz JA, Zaki J, Bolger N, & Ochsner KN. (2011). Social effects of oxytocin in humans: context and person matter. *Trends Cogn Sci*. Jul;15(7):301-9.
- Baskerville TA. & Douglas AJ. (2010). Dopamine and oxytocin interactions underlying behaviors: potential contributions to behavioral disorders. *CNS Neurosci Ther*. 2010 Jun;16(3):e92-123.
- Beauregard M, Lévesque J, & Bourgouin P. (2001). Neural correlates of conscious self-regulation of emotion. *J Neurosci*. 2001 Sep 15;21(18):RC165.
- Beckes, L., IJzerman, H., & Tops, M. (2015). Toward a radically embodied neuroscience of attachment and relationships. *Frontiers in Human Neuroscience*, 9, 266.
- Berman, M. G., Kross, E., Krpan, K. M., Askren, M. K., Burson, A., Deldin, P. J., ... Jonides, J. (2012). Interacting with Nature Improves Cognition and Affect for Individuals with Depression. *Journal of Affective Disorders*, 140(3), 300–305.

- Berman, M. G., Jonides, J., & Kaplan, S. (2008). The Cognitive Benefits of Interacting With Nature. *Psychological Science*, December 19: 1207-1212.
- Bernatzky G1, Presch M, Anderson M, & Panksepp J. (2011). Emotional foundations of music as a non-pharmacological pain management tool in modern medicine. *Neurosci Biobehav Rev*. 2011 Oct;35(9):1989-99.
- Berridge, K.C. The debate over dopamine's role in reward: the case for incentive salience. *Psychopharmacology* (2007) 191: 391.
- Bethlehem, R. A. I., Baron-Cohen, S., van Honk, J., Auyeung, B., & Bos, P. A. (2014). The oxytocin paradox. *Frontiers in Behavioral Neuroscience*, 8, 48.
- Bisagno V. and Cadet JL. (2014) Stress, sex, and addiction: potential roles of corticotropin-releasing factor, oxytocin, and arginine-vasopressin. *Behav Pharmacol*. Sep;25(5-6):445-57.
- Bora, E., Yucel, M., & Allen, N. (2009). Neurobiology of human affiliative behavior: implications for psychiatric disorders. *Current Opinion in Psychiatry* 2009, May;22(3):320-5.
- Bremner, J. D. (2006). Stress and brain atrophy. *CNS Neurological Disord Drug Targets*. Oct;5(5):503-12.
- Bremner, J. D. (2006). Traumatic stress: effects on the brain. *Dialogues in Clinical Neuroscience*, 8(4), 445–461.
- Browning, M., Holmes, E. A., Murphy, S. E., Goodwin, G. M., & Harmer, C. J. (2010). Lateral Prefrontal Cortex Mediates the Cognitive Modification of Attentional Bias. *Biological Psychiatry*, 67(10), 919–925.
- Burkett, J. P., & Young, L. J. (2012). The behavioral, anatomical and pharmacological parallels between social attachment, love and addiction. *Psychopharmacology*, 224(1), 1–26.
- Bystritsky, A., Khalsa, S. S., Cameron, M. E., & Schiffman, J. (2013). Current Diagnosis and Treatment of Anxiety Disorders. *Pharmacy and Therapeutics*, 38(1), 30–57.
- Carpenter, L., Tyrka, A., McDougle, C., Malison, R., Owens, M., Nemeroff, C., and Price, L. (2003). Cerebrospinal fluid corticotropin-releasing factor and perceived early-life stress in depressed patients and healthy control subjects *Neuropsychopharmacology*. 29, 777–784.
- Carter RN, Pinnock SB, & Herbert J. (2004). Does the amygdala modulate adaptation to repeated stress? *Neuroscience*;126(1):9-19.
- Chen, F., Kumsta, R., von Dawans, B., Monakhov, M., Ebstein, R., and Heinrichs, M. (2011). Common oxytocin receptor gene (OXTR) polymorphism and social support interact to reduce stress in humans. *Proc Natl Acad Sci* December 13; 108(50): 19937–19942.

Chester, D., DeWall, C., Pond, R. (2013). The push of social pain: Does rejection's sting motivate subsequent social reconnection? *Cogn Affect Behav Neurosci*, Jun;16(3):541-50.

Chiesa A, Serretti A, Jakobsen JC. (2013). Mindfulness: top-down or bottom-up emotion regulation strategy? *Clin Psychol Rev*. 2013 Feb;33(1):82-96.

Cisler, J. & Olatunji, B. (2012). Emotion regulation and anxiety disorders. *Curr Psychiatry Rep*. June; 14(3):182-187.

Cohen N, Margulies DS2, Ashkenazi S3, Schaefer A4, Taubert M5, Henik A6, Villringer A5, Okon-Singer H. (2016). Using executive control training to suppress amygdala reactivity to aversive information. *Neuroimage*. 2016 Jan 15; 125:1022-31.

Cohen, N., Mor, N., & Henik, A. (2015). Linking executive control and emotional response: A training procedure to reduce rumination. *Clinical Psychological Science*; Vol. 3(1) 15–25.

Corbo, V., Arnick, M., Milberg, W., Maclinchy, R., & Salat, D. (2016). Early life trauma is associated with altered white matter integrity and affective control. *Journal of Psychiatric Research*, Volume 79, 70-77.

Craft, L. L., & Perna, F. M. (2004). The Benefits of Exercise for the Clinically Depressed. *Primary Care Companion to The Journal of Clinical Psychiatry*, 6(3), 104–111.

Crockett, M., Apergis-Schoute, A., Herrmann, B., Lieberman, M., Müller, U., Robbins, T., & Clark, L. (2013). Serotonin modulates striatal responses to fairness and retaliation in humans. *The Journal of Neuroscience : The Official Journal of the Society for Neuroscience*, 33(8), 3505–3513.

Dadds, MR., Moul, C., Cauchi, A., Ebstein, R. (2014). Polymorphisms in the oxytocin receptor gene are associated with the development of psychopathy. *Dev Psychopathol*. Feb;26(1):21-31.

Damiano CR, Aloï J, Dunlap K, Burrus CJ, Mosner MG, Kozink RV, McLaurin RE, Mullette-Gillman OA, Carter RM, Huettel SA, McClernon FJ, Ashley-Koch A, Dichter GS. (2014). Association between the oxytocin receptor (OXTR) gene and mesolimbic responses to rewards. *Mol Autism*. Jan 31;5(1):7.

De Bellis, M. D., & A.B., A. Z. (2014). "The Biological Effects of Childhood Trauma." *Child and Adolescent Psychiatric Clinics of North America*, 23(2), 185–222.

De Kloet, E., Joëls, M., & Holsboer, F. (2005). Stress and the brain: from adaptation to disease. *Nature Reviews Neuroscience* 6, 463-475.

Denny, B. T., Inhoff, M. C., Zerubavel, N., Davachi, L., & Ochsner, K. N. (2015). Getting over it: Long-lasting effects of emotion regulation on amygdala response. *Psychological Science*, 26(9), 1377–1388.

Dirkin, GR. (1983). Cognitive tunneling: use of visual information under stress. *Percept Mot Skills*. 1983 Feb;56(1):191-8.

Drolet G, Dumont EC, Gosselin I, Kinkead R, Laforest S, Trottier JF. Role of endogenous opioid system in the regulation of the stress response. *Prog Neuropsychopharmacol Biol Psychiatry*. 2001;25:729-41.

Dutton, DG and Painter, S. (1993). Emotional attachments in abusive relationships: a test of traumatic bonding theory. *Violence Vict*. Summer; 8(2): 105-20.

Eisenberger NI, Lieberman MD, Williams KD. Does rejection hurt? An FMRI study of social exclusion. *Science*. 2003; 302(5643):290-2.

Eldar S. & Bar-Haim, Y. (2010). Neural plasticity in response to attention training in anxiety. *Psychol Med*. Apr; 40(4):667-77.

Elumalai, P. & Lakshmi, S. (2016). Biomodulators of Anxiety. *International Journal of Clinical and Experimental Medical Sciences*. Vol. 2, No. 1, 2016, pp. 7-12.

Farb, N. A. S., Anderson, A. K., & Segal, Z. V. (2012). The Mindful Brain and Emotion Regulation in Mood Disorders. *Canadian Journal of Psychiatry. Revue Canadienne De Psychiatrie*, 57(2), 70-77.

Esch, T & Stefano, G. (2005). Neurobiology of love. *Neuroendocrinology Letters*. 26(3):175-192.

Esch, T & Stefano, G. (2010). The neurobiology of stress management. *Neuroendocrinology letters* 31(1):19-39.

Feldman, R., Zagoory-Sharon, O., Weisman, O., Schneiderman, I., Gordon, I., Maoz, R., Shalev, I., Ebstein, RP. (2012). Sensitive parenting is associated with plasma oxytocin and polymorphisms in the OXTR and CD38 genes. *Biol Psychiatry*. 2012 Aug 1;72(3):175-81.

Ferenczi, E. A., Zalocusky, K. A., Liston, C., Grosenick, L., Warden, M. R., Amatya, D., ... Deisseroth, K. (2016). Prefrontal cortical regulation of brainwide circuit dynamics and reward-related behavior. *Science (New York, N.Y.)*, 351(6268), aac9698.

Ferguson, A. V., Latchford, K. J., & Samson, W. K. (2008). The Paraventricular Nucleus of the Hypothalamus A Potential Target for Integrative Treatment of Autonomic Dysfunction. *Expert Opinion on Therapeutic Targets*, 12(6), 717-727.

Fisher, H., Aron, A., Strong, G., Mashek, D., Haifang, L., & Brown, L., (2002). Defining the brain systems of lust, romantic attraction and attachment. *Archives of Sexual Behavior*, Vol 31, No 5, pp. 413-419.

Fisher, H., Brown, L., Aron, A., Strong, G., and Mashek, D. (2010). Reward, addiction, and emotion regulation systems associated with rejection in love. *Journal of Neurophysiology* Jul, 104 (1) 51-60

Flynn, F., Benson, D., & Ardila, A. (1999). Anatomy of the insula – functional and clinical correlates. *Aphasiology*, Vol 13, No 1, 55-78.

Franco AJ., Chen C., Scullen T., Zsombok, A., Salahudeen, AA., Di S., Herman JP., & Tasker, JG. (2016). Sensitization of the Hypothalamic-Pituitary-Adrenal Axis in a Male Rat Chronic Stress Model. *Endocrinology*. Jun;157(6):2346-55.

Furay, A. & Neumaier, J. (2011). Opioid Receptors: Binding that Ties. *Neuropsychopharmacology*, 36, 2157–2158.

Gendolla, G., Tops, M., Koole, S. (Eds). (2015). *Handbook of Biobehavioral Approaches to Self-Regulation*. Springer. New York.

Glaser, D. (2014). The effects of child maltreatment on the developing brain. *Medico Legal Journal*. September 82: 97-111.

Gündel H1, O'Connor MF, Littrell L, Fort C, Lane RD. (2003). Functional neuroanatomy of grief: an fMRI study. *Am J Psychiatry*. Nov;160(11):1946-53.

Heatherton, T. (2001). Neuroscience of self and self-regulation. *Annu Rev Psychol*. 2011 ; 62: 363–390.

Heatherton, T. & Wagner, D. (2011). Cognitive neuroscience of self-regulation failure. *Trends Cogn Sci*. 2011 March ; 15(3): 132–139.

Heinrichs SC. & Koob GF. (2004). Corticotropin-releasing factor in brain: a role in activation, arousal, and affect regulation. *J Pharmacol Exp Ther*; 311:427–440

Holly, EN. & Miczek, KA. (2016). Ventral tegmental area dopamine revisited: effects of acute and repeated stress. *Psychopharmacology*. Jan;233(2):163-86.

Holt-Lunstad, J., Birmingham, W., & Light, K. (2014). Relationship quality and oxytocin: Influence of stable and modifiable aspects of relationships. *Journal of Social and Personal Relationships*, Vol. 32(4) 472–490

Hopper JW., Frewen PA., van der Kolk BA., & Lanius RA. (2007). Neural correlates of reexperiencing, avoidance, and dissociation in PTSD: symptom dimensions and emotion dysregulation in responses to script-driven trauma imagery. *J Trauma Stress*. Oct;20(5):713-25.

Hsu, D. T., Sanford, B. J., Meyers, K. K., Love, T. M., Hazlett, K. E., Wang, H., ... Zubieta, J.-K. (2013). Response of the  $\mu$ -opioid system to social rejection and acceptance. *Molecular Psychiatry*, 18(11), 1211–1217.

Hurlemann, R. & Scheele, D. Dissecting the Role of Oxytocin in the Formation and Loss of Social Relationships. *Biol Psychiatry*. 2016 Feb 1;79(3):185-93.

Insel, T. (2003). Is social attachment an addictive disorder. *Physiology & Behavior* 79 (2003) 351– 357

Insel, T. & Young, L. (2001). Neurobiology of Attachment. *Nature Reviews Neuroscience* 2, 129-136

Ivlieva, N., Timofeeva, N., & Ivliev, D. (2014). Dopamine Impels Us to Action as Suggested by the Neuronal Activity in the Ventral Tegmental Area during Avoidance Conditioning. *The Russian Journal of Cognitive Science*, 2014, vol. 1 (1–2), pp. 54–64

Johnson, Z. & Young, L. (2015). Neurobiological mechanisms of social attachment and pair bonding. *Curr Opin Behav Sci*. 2015 June ; 3: 38–44.

Johnstone T, van Reekum CM, Urry HL, Kalin NH, Davidson RJ. (2007) Failure to regulate: counterproductive recruitment of top-down prefrontal-subcortical circuitry in major depression. *J Neurosci*. Aug 15;27(33):8877-84.

Juang LP, Moffitt U, Kim SY, Lee RM, Soto JA, Hurley E, Weisskirch RS, Blozis SA, Castillo LG, Huynh QL, Whitborne SK. (2016). Cognitive reappraisal and expressive suppression: Links to racial-ethnic discrimination and adjustment among Latino and Asian-heritage college students. *J Adolesc*. 2016 Sep 3;53:21-33.

Kadosh, K., Luo, Q., de Burca, C., Sokunbi, M. O., Feng, J., Linden, D. E. J., & Lau, J. Y. F. (2016). Using real-time fMRI to influence effective connectivity in the developing emotion regulation network. *Neuroimage*, 125, 616–626.

Keniger, L. E., Gaston, K. J., Irvine, K. N., & Fuller, R. A. (2013). What are the Benefits of Interacting with Nature? *International Journal of Environmental Research and Public Health*, 10(3), 913–935.

Kerr, C. E., Sacchet, M. D., Lazar, S. W., Moore, C. I., & Jones, S. R. (2013). Mindfulness starts with the body: somatosensory attention and top-down modulation of cortical alpha rhythms in mindfulness meditation. *Frontiers in Human Neuroscience*, 7, 12.

Kitayama, N., Brummer, M., Hertz, L., Quinn, S., Kim, Y., & Bremner, J. D. (2007). Morphologic Alterations in the Corpus Callosum in Abuse-Related Posttraumatic Stress Disorder: A Preliminary Study. *The Journal of Nervous and Mental Disease*, 195(12), 1027–1029.

Kober, H., Mende-Siedlecki, P., Kross, E. F., Weber, J., Mischel, W., Hart, C. L., & Ochsner, K. N. (2010). Prefrontal–striatal pathway underlies cognitive regulation of craving. *Proceedings of the National Academy of Sciences of the United States of America*, 107(33), 14811–14816.

- Kosfeld M, Heinrichs M, Zak PJ, Fischbacher U, Fehr E. (2005) Oxytocin increases trust in humans. *Nature*. Jun 2;435(7042):673-6.
- Koso M, Hansen S. Executive function and memory in posttraumatic stress disorder: a study of Bosnian war veterans. (2006). *Eur Psychiatry*;21:167–173.
- Krüger, T. H. C., Schiffer, B., Eikermann, M., Haake, P., Gizewski, E. and Schedlowski, M. (2006), Serial neurochemical measurement of cerebrospinal fluid during the human sexual response cycle. *European Journal of Neuroscience*, 24: 3445–3452.
- Krystal, J. H., & Neumeister, A. (2009). Noradrenergic and Serotonergic Mechanisms in the Neurobiology of Posttraumatic Stress Disorder and Resilience. *Brain Research*, 1293, 13–23.
- Lane, A., Mikolajczak, M., Treinen, E., Samson, D., Corneille, O., de Timary, P., et al. (2015) Failed Replication of Oxytocin Effects on Trust: The Envelope Task Case. *PLoS ONE* 10(9):1-10.
- Lee, H., Heller, A. S., van Reekum, C. M., Nelson, B., & Davidson, R. J. (2012). Amygdala-prefrontal coupling underlies individual differences in emotion regulation. *NeuroImage*, 62(3), 1575–1581.
- Leknes, S. & Tracey, I. (2008). A common neurobiology for pain and pleasure. *Nature Reviews Neuroscience*, Vol 9, 314-320.
- Leskin LP. & White, PM. (2007). Attentional networks reveal executive function deficits in posttraumatic stress disorder. *Neuropsychology*;21:275–284.
- Levine, P. & Buczynski, R. (2016). What resets out nervous system after trauma? National Institute for the Clinical Application of Behavioral Medicine.
- Li, S., Tan, J, Qian M, Liu X. (2008). Continual training of attentional bias in social anxiety. *Behav Res Ther.* Aug; 46(8):905-12.
- Lieberwirth, C. & Wang, Z. (2014). Social Bonding: regulation by neuropeptides. *Frontiers in Neuroscience*, Vol 8, Article 171.
- Liu, W., Li, X., Wei, J., Yuen, E.Y., Yan, Z., & Zhong, P.. (2012). Repeated stress causes cognitive impairment by suppressing glutamate receptor expression and function in prefrontal cortex. *Neuron*, 73 5, 962-77.
- Lohr, V. (2007). Benefits of Nature: What We Are Learning about Why People Respond to Nature. *Journal of Physiological Anthropology*. Vol. 26 (2007) No. 2: 83-85
- Loonen AJ. & Ivanova SA. (2016). Circuits regulating pleasure and happiness in major depression. *Med Hypotheses*. 2016 Feb;87:14-21.

- Love, T. M. (2014). Oxytocin, Motivation and the Role of Dopamine. *Pharmacology, Biochemistry, and Behavior*, 0, 49–60.
- Love, T., Enoch, M., Hodgkinson, C., Pecina, M., Mickey, B., Koeppe, R., Stohler, C., Goldman, D., & Zubieta, J. (2012). Oxytocin gene polymorphisms influence human dopaminergic function in a sex dependent manner. *Biol Psychiatry*, August 1; 72(3): 198-2016.
- Lupien, S., McEwen, B., Gunnar, M., & Heim, C. (2009). Effects of stress throughout the lifespan on the brain, behaviour and cognition. *Nature Reviews Neuroscience* 10, 434-445
- Lupyan G. & Swingley D. (2012). Self-directed speech affects visual search performance. *Q J Exp Psychol*;65(6):1068-85.
- MacDonald A.W., Cohen J.D., Stenger V.A., Carter C.S. (2000). Dissociating the role of the dorsolateral prefrontal and anterior cingulate cortex in cognitive control. *Science*; 288:1835–1838.
- MacLeod C, Rutherford E, Campbell L, Ebsworthy G, Holker L. (2002). Selective attention and emotional vulnerability: assessing the causal basis of their association through the experimental manipulation of attentional bias. *J Abnorm Psychol*. Feb; 111(1):107-23.
- Marazziti, D. & Canale, D. (2004). Hormonal changes when falling in love. *Psychoneuroendocrinology*. Aug;29(7):931-6
- Marazziti, D., Dell’Osso, B., Baroni, S., Mungai, F., Catena, M., Rucci, P., ... Dell’Osso, L. (2006). A relationship between oxytocin and anxiety of romantic attachment. *Clinical Practice and Epidemiology in Mental Health : CP & EMH*, 2, 28.
- McCall, J. G., Al-Hasani, R., Siuda, E. R., Hong, D. Y., Norris, A. J., Ford, C. P., & Bruchas, M. R. (2015). CRH engagement of the locus coeruleus noradrenergic system mediates stress-induced anxiety. *Neuron*, 87(3), 605–620.
- McEwen, B.S. & Gianaros, P.J. (2010). Central role of the brain in stress and adaptation: links to socioeconomic status, health, and disease. *Ann. N.Y. Acad. Sci.* 1186: 190–222.
- McEwen, B. S., Gray, J. D., & Nasca, C. (2015). Recognizing resilience: Learning from the effects of stress on the brain. *Neurobiology of Stress*, 1, 1–11.
- McEwen, B. S., & Morrison, J. H. (2013). Brain On Stress: Vulnerability and Plasticity of the Prefrontal Cortex Over the Life Course. *Neuron*, 79(1), 16–29.
- McGregor IS. & Bowen MT. (2012). Breaking the loop: oxytocin as a potential treatment for drug addiction. *Horm Behav*. Mar;61(3):331-9.



McGregor IS, Callaghan PD, Hunt GE. (2008). From ultrasocial to antisocial: a role for oxytocin in the acute reinforcing effects and long-term adverse consequences of drug use? *Br J Pharmacol*. May;154(2):358-68.

McQuaid, R J., McInnis, Matheson, K., & Anisman, H. (2016). Oxytocin and Social Sensitivity: Gene Polymorphisms in Relation to Depressive Symptoms and Suicidal Ideation. *Frontiers in Human Neuroscience*, 10, 358.

McQuaid, RJ., McInnis, O., Paric, A., Al-Yawer, F., Matheson, K., & Anisman, H. (2016). Relations between plasma oxytocin and cortisol: The stress buffering role of social support. *Neurobiology of Stress* 3, 52-60.

McRae, K., Misra, S., Prasad, A. K., Pereira, S. C., & Gross, J. J. (2012). Bottom-up and top-down emotion generation: implications for emotion regulation. *Social Cognitive and Affective Neuroscience*, 7(3), 253–262.

Meerwijk, E., Ford, J., & Weiss, S. (2012). Brain regions associated with psychological pain: implications for a neural network and its relationship to physical pain. *Brain Imaging and Behavior* (2013) 7:1–14.

Meyer, M. L., Williams, K. D., & Eisenberger, N. I. (2015). Why Social Pain Can Live on: Different Neural Mechanisms Are Associated with Reliving Social and Physical Pain. *PLoS ONE*, 10(6), e0128294.

Moul C, Killcross S, Dadds MR. (2012). A model of differential amygdala activation in psychopathy. *Psychol Rev*. 2012 Oct;119(4):789-806.

Murakami, H., Katsunuma, R., Oba, K., Terasawa, Y., Motomura, Y., Mishima, K., & Moriguchi, Y. (2015). Neural Networks for Mindfulness and Emotion Suppression. *PLoS ONE*, 10(6), e0128005.

Najmi S. & Amir N. (2010). The effect of attention training on a behavioral test of contamination fears in individuals with subclinical obsessive-compulsive symptoms. *J Abnorm Psychol*;119:136–142.

Najib, A., Lorberbaum, J., Kose, S., Bohning, D., & George, M. (2004) Regional brain activity in women grieving a romantic relationship breakup. *American Journal of Psychiatry*, 161: 2245 – 2256.

Nelson, E. & Panksepp, J. (1998). Brain substrates of infant-mother attachment: Contributions of Opioids, oxytocin, and norepinephrine. *Neuroscience and Biobehavioral Reviews*. Vol 22, No3, 437-452.

Neumann, I. (2008). Brain oxytocin: A key regulator of emotional and social behaviors in both females and males. *Journal of neuroendocrinology*. 20, 858–865

- Ochsner, K. N., Ray, R. R., Hughes, B., McRae, K., Cooper, J. C., Weber, J., ... Gross, J. J. (2009). Bottom-Up and Top-Down Processes in Emotion Generation: Common and Distinct Neural Mechanisms. *Psychological Science*, 20(11), 1322–1331.
- O'Connor, M.-F., Wellisch, D. K., Stanton, A. L., Eisenberger, N. I., Irwin, M. R., & Lieberman, M. D. (2008). Craving love? Enduring grief activates brain's reward center. *NeuroImage*, 42(2), 969–972.
- Olf, M., Frijling JL, Kubzansky LD, Bradley B, Ellenbogen MA, Cardoso C, Bartz JA, Yee JR, van Zuiden M. (2013). The role of oxytocin in social bonding, stress regulation and mental health: an update on the moderating effects of context and interindividual differences. *Psychoneuroendocrinology*. Sep;38(9):1883-94
- Otto, B., Misra, S., Prasad, A. et al. (2014). Functional overlap of top-down emotion regulation and generation: An fMRI study identifying common neural substrates between cognitive reappraisal and cognitively generated emotions. *Cogn Affect Behav Neurosci*; 14: 923.
- Paret, C., Kluetsch, R., Ruf, M., Demirakca, T., Hoesterey, S., Ende, G., & Schmahl, C. (2014). Down-regulation of amygdala activation with real-time fMRI neurofeedback in a healthy female sample. *Frontiers in Behavioral Neuroscience*, 8, 299.
- Paulus, MP. (2007). Decision-Making Dysfunctions in Psychiatry—Altered Homeostatic Processing? *Science* 26 Oct: 602-606
- Phan KL, Fitzgerald DA, Nathan PJ, Moore GJ, Uhdé TW, & Tancer ME. (2005). Neural substrates for voluntary suppression of negative affect: a functional magnetic resonance imaging study. *Biol Psychiatry*. 2005 Feb 1; 57(3):210-9.
- Pierce, RC. & Kumaresan, V. (2006). The mesolimbic dopamine system: The final common pathway for the reinforcing effect of drugs of abuse? *Neuroscience & Biobehavioral Reviews* 30(2):215-38 · February
- Pineles SL, Shipherd JC, Welch LP, & Yovel I. (2007). The role of attentional biases in PTSD: is it interference or facilitation? *Behav Res Ther*. 2007 Aug; 45(8):1903-13.
- Pizzagalli, D. A., Holmes, A. J., Dillon, D. G., Goetz, E. L., Birk, J. L., Bogdan, R., ... Fava, M. (2009). Reduced Caudate and Nucleus Accumbens Response to Rewards in Unmedicated Subjects with Major Depressive Disorder. *The American Journal of Psychiatry*, 166(6), 702–710.
- Rademacher L, Schulte-Rüther M, Hanewald B, Lammertz S. (2013). Reward: From Basic Reinforcers to Anticipation of Social Cues. *Curr Top Behav Neurosci*. 2016 Jan 5.
- Raio, CM., Orederu, T. A., Palazzolo, L., Shurick, A. A., & Phelps, E. A. (2013). Cognitive emotion regulation fails the stress test. *Proceedings of the National Academy of Sciences of the United States of America*, 110(37), 15139–15144.

Raio, C.M. & Phelps, E. (2015). The influence of acute stress on the regulation of conditioned fear. *Neurobiology of Stress* 1 (2015) 134-146.

Risbrough, V. B., & Stein, M. B. (2006). Role of Corticotropin Releasing Factor in Anxiety Disorders: A Translational Research Perspective. *Hormones and Behavior*, 50(4), 550–561.

Robinson, O. J., Vytal, K., Cornwell, B. R., & Grillon, C. (2013). The impact of anxiety upon cognition: perspectives from human threat of shock studies. *Frontiers in Human Neuroscience*, 7, 203.

Rodrigues, S. M., Saslow, L. R., Garcia, N., John, O. P., & Keltner, D. (2009). Oxytocin receptor genetic variation relates to empathy and stress reactivity in humans. *Proceedings of the National Academy of Sciences of the United States of America*, 106(50), 21437–21441.

Romero-Fernandez, W., Borroto-Escuela, D., Agnati, L., & Fuxe, K. (2013). Evidence for the existence of dopamine d2-oxytocin receptor heteromers in the ventral and dorsal striatum with facilitatory receptor–receptor interactions. *Molecular Psychiatry* 18, 849-850.

Ross, H. E., & Young, L. J. (2009). Oxytocin and the Neural Mechanisms Regulating Social Cognition and Affiliative Behavior. *Frontiers in Neuroendocrinology*, 30(4), 534–547.

Sailer U, Robinson S, Fischmeister FP, König D, Oppenauer C, Lueger-Schuster B, et al. (2008). Altered reward processing in the nucleus accumbens and mesial prefrontal cortex of patients with posttraumatic stress disorder. *Neuropsychologia*;46:2836–2844.

Sari, B., Koster, E., Pourtois, G., & Derakshan, N. (2016). Training working memory to improve attentional control in anxiety: A proof-of-principle study using behavioral and electrophysiological measures *Biological Psychology*

Sarnyai Z, Kovács GL. (1994). Role of oxytocin in the neuroadaptation to drugs of abuse. *Psychoneuroendocrinology*;19(1):85-117.

Sarnyai Z, Kovács GL. (2014). Oxytocin in learning and addiction: From early discoveries to the present. *Pharmacol Biochem Behav.* Apr;119:3-9

Satel, S., & Lilienfeld, S. O. (2013). Addiction and the Brain-Disease Fallacy. *Frontiers in Psychiatry*, 4, 141.

Savulescu, J. & Sandberg, A. (2008). Neuroenhancement of love and marriage: the chemicals between us. *Neuroethics*.

Scheele, D., Wille, A., Kendrick, K. M., Stoffel-Wagner, B., Becker, B., Güntürkün, O., ... Hurlemann, R. (2013). Oxytocin enhances brain reward system responses in men viewing the face of their female partner. *Proceedings of the National Academy of Sciences of the United States of America*, 110(50), 20308–20313.

- Schmidt NB, Richey JA, Buckner JD, & Timpano, KR. (2009). Attention training for generalized social anxiety disorder. *J Abnorm Psychol*;118:5–14.
- Schneiderman, I., Zagoory-Sharon, O., Leckman, J. F., & Feldman, R. (2012). Oxytocin during the initial stages of romantic attachment: Relations to couples' interactive reciprocity. *Psychoneuroendocrinology*, 37(8), 1277–1285.
- Schneiderman, N., Ironson, G., & Siegel, S. (2005). Stress and Health: Psychological, behavioral and biological determinants. *Annu Rev Clin Psychology*;1:607-628.
- Schore, A (2009). Right-Brain Affect Regulation. In *Healing Power of Emotion* (Fosha, D. & Siegel, D. Editors). W. W. Norton & Company. New York
- Scott, S., & Babcock, J. C. (2010). Attachment as a Moderator Between Intimate Partner Violence and PTSD Symptoms. *Journal of Family Violence*, 25(1), 1–9.
- See, J., Macleod C.M., Bridle R. The reduction of anxiety vulnerability through the modification of attentional bias: A real-world study using a home-based cognitive bias modification procedure. *J Abnorm Psychol*. 2009;118:65–75.
- Segev, I., Martinez, L., & Zatorre, R. (2014). Brain and art. *Frontiers in Human Neuroscience*. Vol 8; Article 465.
- Shackman, A., Salomon, T., Slagter, H., & Davidson, R. (2011). The integration of negative affect, pain and cognitive control in the cingulate cortex. *Nature Reviews Neuroscience* 12(3):154-67
- Shansky, R. M., & Lipps, J. (2013). Stress-induced cognitive dysfunction: hormone-neurotransmitter interactions in the prefrontal cortex. *Frontiers in Human Neuroscience*, 7, 123.
- Sherin, J. E., & Nemeroff, C. B. (2011). Post-traumatic stress disorder: the neurobiological impact of psychological trauma. *Dialogues in Clinical Neuroscience*, 13(3), 263–278.
- Spreckelmeyer, K. N., Krach, S., Kohls, G., Rademacher, L., Irmak, A., Konrad, K., ... Gründer, G. (2009). Anticipation of monetary and social reward differently activates mesolimbic brain structures in men and women. *Social Cognitive and Affective Neuroscience*, 4(2), 158–165.
- Shammi, P. & Stuss, D.T. Humour appreciation: a role of the right frontal lobe. *Brain* Apr 1999, 122 (4) 657-666.
- Shekhar A1, Truitt W, Rainnie D, Sajdyk T. (2005). Role of stress, corticotrophin releasing factor (CRF) and amygdala plasticity in chronic anxiety. *Stress*. 2005 Dec;8(4):209-19.
- Shin, L. & Liberzon, I. (2010). The neurocircuitry of fear, stress and anxiety disorders. *Neuropsychopharmacology*, 35, 169-191.

- Siddiqui, S. V., Chatterjee, U., Kumar, D., Siddiqui, A., & Goyal, N. (2008). Neuropsychology of prefrontal cortex. *Indian Journal of Psychiatry*, 50(3), 202–208.
- Smith, LS. & Stover, CS. (2016). The moderating role of attachment on the relationship between history of trauma and intimate partner violence victimization. *Violence Against Women*. 2016 May;22(6):745-64
- Snyder K, Wang W, Han R, McFadden K, Valentino RJ. Corticotropin-releasing factor in the norepinephrine nucleus, locus coeruleus, facilitates behavioral flexibility. *Neuropsychopharmacology*. 2012;37:520–30
- Stein, MB. Kennedy, CM., & Twamley, EW. (2002). Neuropsychological function in female victims of intimate partner violence with and without posttraumatic stress disorder. *Biol Psychiatry*;52:1079–1088.
- Stein, DJ. & Vythilingum B. (2009). Love and attachment: the psychobiology of social bonding. *CNS Spectr*. May;14(5):239-42.
- Sulzer J, Sitaram R, Blefari ML, Kollias S, Birbaumer N, Stephan KE, Luft A, & Gassert R. (2013). Neurofeedback-mediated self-regulation of the dopaminergic midbrain. *Neuroimage*. 2013 Dec;83:817-25.
- Sun, P., Smith, A., Lei, K., Liu, Y., & Wang, Z. (2014). Breaking bonds in male prairie vole: Long-term effects on emotional and social behavior, physiology, and neurochemistry. *Behavioural Brain Research*, 265, 22–31.
- Taylor, S.E., Gonzaga, G.C., Klein, LC, Hu, P., Greendale, G., & Seeman, T. (2006). Relation of oxytocin to psychological stress responses and hypothalamic-pituitary-adrenocortical axis activity in older women. *Psychosomatic Medicine*. 68(2):238-245.
- Taylor SE, Klein LC, Lewis BP, Gruenewald TL, Gurung RA, Updegraff JA. (2000). Biobehavioral responses to stress in females: tend-and-befriend, not fight-or-flight. *Psychol Rev*. Jul;107(3):411-29.
- Taylor SE, Welch WT, Kim HS, & Sherman DK. (2007). Cultural differences in the impact of social support on psychological and biological stress responses. *Psychol Sci*. 2007 Sep;18(9):831-7.
- Valentino RJ. & Van Bockstaele E. (2001). Opposing regulation of the locus coeruleus by corticotropin-releasing factor and opioids. Potential for reciprocal interactions between stress and opioid sensitivity. *Psychopharmacology (Berl)*;158:331–42.
- Valentino, R. J., & Van Bockstaele, E. (2015). Endogenous opioids: opposing stress with a cost. *F1000 Prime Reports*, 7, 58.

Vasterling JJ, Brailey K, Constans JI, & Sutker, PB. (1998). Attention and memory dysfunction in posttraumatic stress disorder. *Neuropsychology*;12:125–133.

Vicario, C. M. (2013). Uncovering the neurochemistry of reward and aversiveness. *Frontiers in Molecular Neuroscience*, 6, 41.

Volkow, N. D., Baler, R. D., & Goldstein, R. Z. (2011). Addiction: Pulling at the Neural Threads of Social Behaviors. *Neuron*, 69(4), 599–602.

Vyas A., Mitra R., Shankaranarayana Rao B.S., Chattarji S. (2002). Chronic stress induces contrasting patterns of dendritic remodeling in hippocampal and amygdaloid neurons. *The Journal of Neuroscience: The Official Journal of the Society for Neuroscience*, 22(15), 6810–8.

Walter KH, Palmieri PA, & Gunstad J. (2010). More than symptom reduction: changes in executive function over the course of PTSD treatment. *J Trauma Stress*;23:292–295.

Wang, Y. (2016). The center role of the oxytocin-secreting system in neuroendocrine-immune network revisited. *J Clin Exp Neuroimmunol* 2016, 1:1-7

Wang, X., Feng, Z., Zhou, D., Lei, X., Liao, T., Zhang, L., ... Li, J. (2014). Dissociable Self Effects for Emotion Regulation: A Study of Chinese Major Depressive Outpatients. *BioMed Research International*, 2014, 390865.

Watt, D. Consciousness, emotional self-regulation and the brain. (2004). *Journal of Consciousness Studies*, 11, No. 9, 2004, pp. 77–82

Wood, S. K., & Bhatnagar, S. (2015). Resilience to the effects of social stress: Evidence from clinical and preclinical studies on the role of coping strategies. *Neurobiology of Stress*, 1, 164–173.

Yehuda, R. (1997), Sensitization of the Hypothalamic-Pituitary-Adrenal Axis in Posttraumatic Stress Disorders. *Annals of the New York Academy of Sciences*, 821: 57–75.

Yehuda, R. (2006). Advances in understanding neuroendocrine alterations in PTSD and their therapeutic implications. *Annals of the NY Academy of Sciences*. Jul; 1071: 137-66

Yehuda, R. (2009), Status of Glucocorticoid Alterations in Post-traumatic Stress Disorder. *Annals of the New York Academy of Sciences*, 1179: 56–69.

Yehuda, R., Hoge, CW., McFarlane, AC., Vermetten, E., Lanius, RA., Nievergelt, CM., Hobfoll, S., Koenen, KC., Neylan, TC., & Hyman, SE. (2015). Post-traumatic stress disorder. *Nat Rev Dis Primers*. Oct 8;1:15057.

Yehuda R. & LeDoux J. (2007). Response variation following trauma: a translational neuroscience approach to understanding PTSD. *Neuron*. Oct 4;56(1):19-32.

- Young, S. (2007). How to increase serotonin in the human brain without medication. *J Psychiatry Neurosci* 2007;32(6):394-9.
- Young, K. A., Liu, Y., Gobrogge, K. L., Wang, H., & Wang, Z. (2014). Oxytocin Reverses Amphetamine-Induced Deficits in Social Bonding: Evidence for an Interaction with Nucleus Accumbens Dopamine. *The Journal of Neuroscience*, 34(25), 8499–8506.
- Young, K. A., Liu, Y., & Wang, Z. (2008). The neurobiology of social attachment: A comparative approach to behavioral, neuroanatomical, and neurochemical studies. *Comparative Biochemistry and Physiology. Toxicology & Pharmacology : CBP*, 148(4), 401–410.
- Yuen, E. Y., Wei, J., Liu, W., Zhong, P., Li, X., & Yan, Z. (2012). Repeated Stress Causes Cognitive Impairment by Suppressing Glutamate Receptor Expression and Function in Prefrontal Cortex. *Neuron*, 73(5), 962–977.
- Zak, P. (2008). Neurobiology of trust. *Scientific America*. June; 298(6):88-92.
- Zeidan, F., Emerson, N. M., Farris, S. R., Ray, J. N., Jung, Y., McHaffie, J. G., & Coghill, R. C. (2015). Mindfulness Meditation-Based Pain Relief Employs Different Neural Mechanisms Than Placebo and Sham Mindfulness Meditation-Induced Analgesia. *The Journal of Neuroscience*, 35(46), 15307–15325.
- Zotov, V., Phillips, R., Young, K. D., Drevets, W. C., & Bodurka, J. (2013). Prefrontal Control of the Amygdala during Real-Time fMRI Neurofeedback Training of Emotion Regulation. *PLoS ONE*, 8(11), e79184.