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Research Interests

PTSD neurobiology and treatment research, sleep-wake physiology, daytime fatigue and performance, neuroendocrinology, gene microarray, brain imaging, and Phase II & III clinical trials.

Selected publications

1. Neylan TC, Lenoci MA, Maglione ML, Rosenlicht NZ, Metzler TJ, Otte C, Schoenfeld FB, Yehuda R, Marmar CR(2003). Delta Sleep Response to Metyrapone in Posttraumatic Stress Disorder, *Neuropsychopharmacology*, 28, 1666-1676.
2. Otte C, Lenoci M, Metzler T, Yehuda R, Marmar CR, Neylan TC (2005). Hypothalamus-pituitary-adrenal axis activity and sleep in posttraumatic stress disorder. *Neuropsychopharmacology*, 30, 1173-1180.
3. Neylan TC, Lenoci M, Franklin KW, Metzler TJ, Henn-Haase C, Hierholzer RW, Lindley SE, Otte C, Schoenfeld FB, Marmar CR(2006). Guanfacine does not improve symptoms of Posttraumatic Stress Disorder. *American Journal of Psychiatry*, 163, 1-3.
4. Neylan TC, Otte C, Yehuda R, Marmar CR (2006): Neuroendocrine Regulation of Sleep disturbances in PTSD. *Annals of the New York Academy of Sciences*, 1071, 203-215.
5. Otte C, Lenoci M, Metzler T, Yehuda R, Marmar CR, Neylan TC (2007). Effects of metyrapone on HPA axis and sleep in women with PTSD. *Biological Psychiatry*, 61, 952-956.
6. Caska CM, Hendrickson BE, Wong MH, Ali S, Neylan T, Whooley MA (2009). Anger expression and sleep quality in patients with coronary heart disease: findings from the Heart and Soul Study. *Psychosom Med.*, 1(3), 280-5.

7. Herbst E, Metzler T, Lenoci M, McCaslin S, Inslicht S, Marmar C, Neylan T (2010). Adaptation effects to sleep studies in participants with and without Chronic Posttraumatic Stress Disorder. *Psychophysiology* 47 (6),1127-33
8. Neylan TC, Metzler TJ, Henn-Haase C, Blank Y, Tarasovsky G, McCaslin SE, Lenoci M, Marmar CR (2010). Prior night Sleep Duration is Associated with Psychomotor Vigilance in a Healthy Sample of Police Academy Recruits. *Chronobiology International*, 27(7), 1493-1508.
9. Neylan TC, Mueller S, Wang Z, Metzler TJ, Lenoci M, Truran D, Marmar CR, Weiner MW, Schuff N (2010). Insomnia Severity is associated with a decreased volume of the CA3/Dentate gyrus hippocampal subfield. *Biol Psychiatry*, 1, 68 (5), 494-496. PMID: PMC2921477.
10. Berger W, Mehra A, Lenoci M, Metzler T, Otte C, Tarasovsky G, Mellon S, Wolkowitz O, Marmar CR, Neylan TC (2010). Serum Brain Derived Neurotrophic Factor predicts responses to escitalopram in chronic Posttraumatic Stress Disorder. *Progress in Neuro-Psychopharmacology & Biological Psychiatry*, 34(7):1279-84. PMID: PMC2939182.
11. Neylan TC, Sun B, Rempel H, Ross J, Lenoci M, O'Donovan A, Pulliam L (2011). Suppressed peripheral monocyte gene profile in men versus women with PTSD. *Brain Behav Immun*, 25(3):524-31. PMID: PMC3039086.
12. Apfel BA, Ross J, Hlavin, J, Meyerhoff DJ, Marmar CR, Weiner M, Schuff N, Neylan TC (2011). Hippocampal volume differences in Gulf War veterans with current versus lifetime PTSD symptoms. *Biological Psychiatry*, 69(6):541-8. NIHMS291995.
13. Schuff N, Zhang Y, Zhan W, Lenoci M, Ching C, Boreta L, Mueller SG, Wang Z, Marmar CR, Weiner MW, Neylan TC (2011). Patterns of altered cortical perfusion and diminished subcortical integrity In Posttraumatic Stress Disorder: A MRI Study, *Neuroimage*, 54 Suppl 1:S62-8. PMID: PMC2945438.
14. O'Donovan A, Sun B, Cole, S, Rempel H, Lenoci M, Pulliam L, Neylan TC (2011). Transcriptional control of monocyte gene expression in Post-Traumatic Stress Disorder. *Disease Markers*, 30(2-3):123-32.
15. O'Donovan A, Epel E, Lin J, Wolkowitz O, Cohen B, Maguen S, Metzler TJ, Lenoci M, Blackburn E, Neylan TC (2011). Childhood trauma is associated with short leukocyte telomere length in young to middle-aged adults with Posttraumatic Stress Disorder. *Biological Psychiatry*, 70(5):465-71. NIHMS275090; PMID:21489410.

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