

Stanford



Jamie Zeitzer

Associate Professor (Research) of Psychiatry and Behavioral Sciences (Sleep Medicine)

Psychiatry and Behavioral Sciences - Stanford Center for Sleep Sciences and Medicine

Bio

ACADEMIC APPOINTMENTS

- Associate Professor (Research), Psychiatry and Behavioral Sciences - Stanford Center for Sleep Sciences and Medicine
- Member, Bio-X
- Member, Child Health Research Institute
- Member, Stanford Neurosciences Institute

PROFESSIONAL EDUCATION

- PhD, Harvard University , Neurobiology (1999)
- AB, Vassar College , Biology (1993)

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Dr. Zeitzer is a circadian physiologist specializing in the understanding of the impact of light on circadian rhythms and other aspects of non-image forming light perception.

He examines the manner in which humans respond to light and ways to manipulate this responsiveness, with direct application to jet lag, shift work, and altered sleep timing in teens. Dr. Zeitzer has also pioneered the use of actigraphy in the determination of epiphenomenal markers of psychiatric disorders.

CLINICAL TRIALS

- Bright Light as a Countermeasure for Circadian Desynchrony, Recruiting
- Efficacy and Safety of Tasimelteon Compared With Placebo in Totally Blind Subjects With Non-24-Hour Sleep-Wake Disorder, Recruiting
- Examination of the Effectiveness of Suvorexant in Improving Daytime Sleep in Shift Workers, Recruiting
- Acupuncture for Sleep Disruption in Cancer Survivors, Not Recruiting
- Light Flashes to Treat Delayed Sleep Phase Disorder (DSPD), Not Recruiting
- Toileting at Night in Older Adults: Light to Maximize Balance, Minimize Insomnia, Not Recruiting

Teaching

COURSES

2016-17

- The Neurobiology of Sleep: BIO 149, BIO 249, HUMBIO 161 (Win)

2014-15

- The Neurobiology of Sleep: BIO 149, BIO 249, HUMBIO 161 (Win)

STANFORD ADVISEES

Postdoctoral Faculty Sponsor

Virginie Gabel, Daniel Joyce

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Neurosciences (Phd Program)
- Psychiatry and Behavioral Science (Fellowship Program)
- Sleep Medicine (Fellowship Program)

Publications

PUBLICATIONS

- **Correlates of sleep quality in midlife and beyond: a machine learning analysis.** *Sleep medicine*
Kaplan, K. A., Hardas, P. P., Redline, S., Zeitzer, J. M.
2017; 34: 162-167
- **Daily Patterns of Accelerometer Activity Predict Changes in Sleep, Cognition, and Mortality in Older Men.** *journals of gerontology. Series A, Biological sciences and medical sciences*
Zeitzer, J. M., Blackwell, T., Hoffman, A. R., Cummings, S., Ancoli-Israel, S., Stone, K.
2017
- **When a gold standard isn't so golden: Lack of prediction of subjective sleep quality from sleep polysomnography.** *Biological psychology*
Kaplan, K. A., Hirshman, J., Hernandez, B., Stefanick, M. L., Hoffman, A. R., Redline, S., Ancoli-Israel, S., Stone, K., Friedman, L., Zeitzer, J. M.
2017; 123: 37-46
- **Aberrant nocturnal cortisol and disease progression in women with breast cancer** *BREAST CANCER RESEARCH AND TREATMENT*
Zeitzer, J. M., Nouriani, B., Rissling, M. B., Sledge, G. W., Kaplan, K. A., Aasly, L., Palesh, O., Jo, B., Neri, E., Dhabhar, F. S., Spiegel, D.
2016; 158 (1): 43-50
- **Temporal integration of light flashes by the human circadian system** *JOURNAL OF CLINICAL INVESTIGATION*
Najjar, R. P., Zeitzer, J. M.
2016; 126 (3): 938-947
- **Ubiquity of Undiagnosed Sleep Disordered Breathing in Community-Dwelling Older Male Veterans.** *American journal of geriatric psychiatry*
Iqbal, N., Kinoshita, L. M., Noda, A., Friedman, L., Yesavage, J. A., Zeitzer, J. M.
2016; 24 (2): 170-173
- **Sleep Disturbance, Diabetes, and Cardiovascular Disease in Postmenopausal Veteran Women** *GERONTOLOGIST*
Rissling, M. B., Gray, K. E., Ulmer, C. S., Martin, J. L., Zaslavsky, O., Gray, S. L., Hale, L., Zeitzer, J. M., Naughton, M., Woods, N. F., LaCroix, A., Calhoun, P. S., Stefanick, et al
2016; 56: S54-S66
- **Standing Balance and Spatiotemporal Aspects of Gait Are Impaired Upon Nocturnal Awakening in Healthy Late Middle-Aged and Older Adults** *JOURNAL OF CLINICAL SLEEP MEDICINE*
McBean, A. L., Najjar, R. P., Schuchard, R. A., Hall, C. D., Wang, C., Ku, B., Zeitzer, J. M.
2016; 12 (11): 1477-1486
- **Nocturia Reported in Nightly Sleep Diaries: Common Occurrence With Significant Implications?** *HEALTH PSYCHOLOGY*
Bliwise, D. L., Friedman, L., Hernandez, B., Zeitzer, J. M., Kushida, C. A., Yesavage, J. A.
2014; 33 (11): 1362-1365
- **Nocturia reported in nightly sleep diaries: common occurrence with significant implications?** *Health psychology*
Bliwise, D. L., Friedman, L., Hernandez, B., Zeitzer, J. M., Kushida, C. A., Yesavage, J. A.

2014; 33 (11): 1362-1365

- **Millisecond Flashes of Light Phase Delay the Human Circadian Clock during Sleep** *JOURNAL OF BIOLOGICAL RHYTHMS*
Zeitzer, J. M., Fiscaro, R. A., Ruby, N. F., Heller, H. C.
2014; 29 (5): 370-376
- **Millisecond flashes of light phase delay the human circadian clock during sleep.** *Journal of biological rhythms*
Zeitzer, J. M., Fiscaro, R. A., Ruby, N. F., Heller, H. C.
2014; 29 (5): 370-376
- **Bedtime misalignment and progression of breast cancer.** *Chronobiology international*
Hahn, B., Jo, B., Dhabhar, F. S., Palesh, O., Aldridge-Gerry, A., Bajestan, S. N., Neri, E., Nouriani, B., Spiegel, D., Zeitzer, J. M.
2014; 31 (2): 214-221
- **Effects of body mass index-related disorders on cognition: preliminary results.** *Diabetes, metabolic syndrome and obesity : targets and therapy*
Yesavage, J. A., Kinoshita, L. M., Noda, A., Lazzeroni, L. C., Fairchild, J. K., Taylor, J., Kulick, D., Friedman, L., Cheng, J., Zeitzer, J. M., O'Hara, R.
2014; 7: 145-151
- **Randomized controlled trial of pharmacological replacement of melatonin for sleep disruption in individuals with tetraplegia** *JOURNAL OF SPINAL CORD MEDICINE*
Zeitzer, J. M., Ku, B., Ota, D., Kiratli, B. J.
2014; 37 (1): 46-53
- **Correspondence of plasma and salivary cortisol patterns in women with breast cancer.** *Neuroendocrinology*
Zeitzer, J. M., Nouriani, B., Neri, E., Spiegel, D.
2014; 100 (2-3): 153-161
- **Longitudinal assessment of sleep disordered breathing in Vietnam veterans with post-traumatic stress disorder.** *Nature and science of sleep*
Yesavage, J. A., Kinoshita, L. M., Noda, A., Lazzeroni, L. C., Fairchild, J. K., Friedman, L., Sekhon, G., Thompson, S., Cheng, J., Zeitzer, J. M.
2014; 6: 123-127
- **Retino-hypothalamic regulation of light-induced murine sleep.** *Frontiers in systems neuroscience*
Muindi, F., Zeitzer, J. M., Heller, H. C.
2014; 8: 135-?
- **Actigraphy-Measured Sleep Disruption as a Predictor of Survival among Women with Advanced Breast Cancer.** *Sleep*
Palesh, O., Aldridge-Gerry, A., Zeitzer, J. M., Koopman, C., Neri, E., Giese-Davis, J., Jo, B., Kraemer, H., Nouriani, B., Spiegel, D.
2014; 37 (5): 837-842
- **Psychosocial correlates of sleep quality and architecture in women with metastatic breast cancer.** *Sleep medicine*
Aldridge-Gerry, A., Zeitzer, J. M., Palesh, O. G., Jo, B., Nouriani, B., Neri, E., Spiegel, D.
2013; 14 (11): 1178-1186
- **Psychosocial correlates of sleep quality and architecture in women with metastatic breast cancer** *SLEEP MEDICINE*
Aldridge-Gerry, A., Zeitzer, J. M., Palesh, O. G., Jo, B., Nouriani, B., Neri, E., Spiegel, D.
2013; 14 (11): 1178-1186
- **A survey study of the association between mobile phone use and daytime sleepiness in California high school students** *BMC PUBLIC HEALTH*
Nathan, N., Zeitzer, J.
2013; 13
- **The acute effects of light on murine sleep during the dark phase: importance of melanopsin for maintenance of light-induced sleep.** *European journal of neuroscience*
Muindi, F., Zeitzer, J. M., Colas, D., Heller, H. C.
2013; 37 (11): 1727-1736
- **Phenotyping apathy in individuals with Alzheimer disease using functional principal component analysis.** *American journal of geriatric psychiatry*
Zeitzer, J. M., David, R., Friedman, L., Mulin, E., Garcia, R., Wang, J., Yesavage, J. A., Robert, P. H., Shannon, W.
2013; 21 (4): 391-397
- **Nocturia Compounds Nocturnal Wakefulness in Older Individuals with Insomnia** *JOURNAL OF CLINICAL SLEEP MEDICINE*

- Zeitzer, J. M., Bliwise, D. L., Hernandez, B., Friedman, L., Yesavage, J. A.
2013; 9 (3): 259-262
- **Modeling the effects of obstructive sleep apnea and hypertension in Vietnam veterans with PTSD** *SLEEP AND BREATHING*
Kinoshita, L. M., Yesavage, J. A., Noda, A., Jo, B., Hernandez, B., Taylor, J., Zeitzer, J. M., Friedman, L., Fairchild, J. K., Cheng, J., Kuschner, W., O'Hara, R., Holty, et al
2012; 16 (4): 1201-1209
 - **Decreased Daytime Motor Activity Associated With Apathy in Alzheimer Disease: An Actigraphic Study** *AMERICAN JOURNAL OF GERIATRIC PSYCHIATRY*
David, R., Mulin, E., Friedman, L., Le Duff, F., Cygankiewicz, E., Deschaux, O., Garcia, R., Yesavage, J. A., Robert, P. H., Zeitzer, J. M.
2012; 20 (9): 806-814
 - **Psychosocial correlates of sleep architecture in women with advanced breast cancer.** *48th Annual Meeting of the American-Society-of-Clinical-Oncology (ASCO)*
Gerry, A. A., Jo, B., Palesh, O., Zeitzer, J., Neri, E., Spiegel, D.
AMER SOC CLINICAL ONCOLOGY.2012
 - **Brief morning light treatment for sleep/wake disturbances in older memory-impaired individuals and their caregivers** *SLEEP MEDICINE*
Friedman, L., Spira, A. P., Hernandez, B., Mather, C., Sheikh, J., Ancoli-Israel, S., Yesavage, J. A., Zeitzer, J. M.
2012; 13 (5): 546-549
 - **Time-course of cerebrospinal fluid histamine in the wake-consolidated squirrel monkey** *JOURNAL OF SLEEP RESEARCH*
Zeitzer, J. M., Kodama, T., Buckmaster, C. L., Honda, Y., Lyons, D. M., Nishino, S., Mignot, E.
2012; 21 (2): 189-194
 - **Modeling caffeine concentrations with the Stanford Caffeine Questionnaire: Preliminary evidence for an interaction of chronotype with the effects of caffeine on sleep** *SLEEP MEDICINE*
Nova, P., Hernandez, B., Ptolemy, A. S., Zeitzer, J. M.
2012; 13 (4): 362-367
 - **Sleep-Disordered Breathing in Vietnam Veterans with Posttraumatic Stress Disorder** *AMERICAN JOURNAL OF GERIATRIC PSYCHIATRY*
Yesavage, J. A., Kinoshita, L. M., Kimball, T., Zeitzer, J., Friedman, L., Noda, A., David, R., Hernandez, B., Lee, T., Cheng, J., O'Hara, R.
2012; 20 (3): 199-204
 - **Phenotyping Apathy in Individuals With Alzheimer Disease Using Functional Principal Component Analysis.** *The American journal of geriatric psychiatry : official journal of the American Association for Geriatric Psychiatry*
Zeitzer, J. M., David, R., Friedman, L., Mulin, E., Garcia, R., Wang, J., Yesavage, J. A., Robert, P. H., Shannon, W.
2012
 - **Effectiveness of evening phototherapy for insomnia is reduced by bright daytime light exposure** *SLEEP MEDICINE*
Zeitzer, J. M., Friedman, L., Yesavage, J. A.
2011; 12 (8): 805-807
 - **The Roles of COMT val158met Status and Aviation Expertise in Flight Simulator Performance and Cognitive Ability** *BEHAVIOR GENETICS*
Kennedy, Q., Taylor, J. L., Noda, A., Adamson, M., Murphy, G. M., Zeitzer, J. M., Yesavage, J. A.
2011; 41 (5): 700-708
 - **Response of the Human Circadian System to Millisecond Flashes of Light** *PLOS ONE*
Zeitzer, J. M., Ruby, N. F., Fiscaro, R. A., Heller, H. C.
2011; 6 (7)
 - **Initial Cognitive Performance Predicts Longitudinal Aviator Performance** *JOURNALS OF GERONTOLOGY SERIES B-PSYCHOLOGICAL SCIENCES AND SOCIAL SCIENCES*
Yesavage, J. A., Jo, B., Adamson, M. M., Kennedy, Q., Noda, A., Hernandez, B., Zeitzer, J. M., Friedman, L. F., Fairchild, K., Scanlon, B. K., Murphy, G. M., Taylor, J. L.
2011; 66 (4): 444-453
 - **Circadian Clock Gene Polymorphisms and Sleep-Wake Disturbance in Alzheimer Disease** *AMERICAN JOURNAL OF GERIATRIC PSYCHIATRY*
Yesavage, J. A., Noda, A., Hernandez, B., Friedman, L., Cheng, J. J., Tinklenberg, J. R., Hallmayer, J., O'Hara, R., David, R., Robert, P., Landsverk, E., Zeitzer, J. M.

2011; 19 (7): 635-643

- **Faster REM sleep EEG and worse restedness in older insomniacs with HLA DQB1*0602** *PSYCHIATRY RESEARCH*
Zeitzer, J. M., Fiscaro, R. A., Grove, M. E., Mignot, E., Yesavage, J. A., Friedman, L.
2011; 187 (3): 397-400
- **Exposure to Room Light before Bedtime Suppresses Melatonin Onset and Shortens Melatonin Duration in Humans** *JOURNAL OF CLINICAL ENDOCRINOLOGY & METABOLISM*
Gooley, J. J., Chamberlain, K., Smith, K. A., Khalsa, S. B., Rajaratnam, S. M., Van Reen, E., Zeitzer, J. M., Czeisler, C. A., Lockley, S. W.
2011; 96 (3): E463-E472
- **Lack of Association Between COMT Polymorphisms and Apathy in Alzheimer's Disease** *JOURNAL OF ALZHEIMERS DISEASE*
David, R., Friedman, L., Mulin, E., Noda, A., Le Duff, F., Kennedy, Q., Garcia, R., Robert, P. H., Yesavage, J. A., Zeitzer, J. M.
2011; 27 (1): 155-161
- **Relationship between Apathy and Sleep Disturbance in Mild and Moderate Alzheimer's Disease: An Actigraphic Study** *JOURNAL OF ALZHEIMERS DISEASE*
Mulin, E., Zeitzer, J. M., Friedman, L., Le Duff, F., Yesavage, J., Robert, P. H., David, R.
2011; 25 (1): 85-91
- **Effects of sleep on the cardiovascular and thermoregulatory systems: a possible role for hypocretins** *JOURNAL OF APPLIED PHYSIOLOGY*
Schwimmer, H., Stauss, H. M., Abboud, F., Nishino, S., Mignot, E., Zeitzer, J. M.
2010; 109 (4): 1053-1063
- **Sex Differences in Phase Angle of Entrainment and Melatonin Amplitude in Humans** *JOURNAL OF BIOLOGICAL RHYTHMS*
Cain, S. W., Dennison, C. F., Zeitzer, J. M., Guzik, A. M., Khalsa, S. B., Santhi, N., Schoen, M. W., Czeisler, C. A., Duffy, J. F.
2010; 25 (4): 288-296
- **Preliminary evidence that plasma oxytocin levels are elevated in major depression** *PSYCHIATRY RESEARCH*
Parker, K. J., Kenna, H. A., Zeitzer, J. M., Keller, J., Blasey, C. M., Amico, J. A., Schatzberg, A. F.
2010; 178 (2): 359-362
- **Non-pharmacologic management of sleep disturbance in Alzheimer's disease** *JOURNAL OF NUTRITION HEALTH & AGING*
David, R., Zeitzer, J., Friedman, L., Noda, A., O'Hara, R., Robert, P., Yesavage, J. A.
2010; 14 (3): 203-206
- **Modafinil and gamma-hydroxybutyrate have sleep state-specific pharmacological actions on hypocretin-1 physiology in a primate model of human sleep** *BEHAVIOURAL PHARMACOLOGY*
Zeitzer, J. M., Buckmaster, C. L., Landolt, H., Lyons, D. M., Mignot, E.
2009; 20 (7): 643-652
- **Elevated Anti-Streptococcal Antibodies in Patients with Recent Narcolepsy Onset** *SLEEP*
Aran, A., Lin, L., Nevsimalova, S., Plazzi, G., Hong, S. C., Weiner, K., Zeitzer, J., Mignot, E.
2009; 32 (8): 979-983
- **Scheduled Bright Light for Treatment of Insomnia in Older Adults** *JOURNAL OF THE AMERICAN GERIATRICS SOCIETY*
Friedman, L., Zeitzer, J. M., Kushida, C., Zhdanova, I., Noda, A., Lee, T., Schneider, B., Guilleminault, C., Sheikh, J., Yesavage, J. A.
2009; 57 (3): 441-452
- **Sleep apnea, apolipoprotein epsilon 4 allele, and TBI: Mechanism for cognitive dysfunction and development of dementia** *JOURNAL OF REHABILITATION RESEARCH AND DEVELOPMENT*
O'Hara, R., Luzon, A., Hubbard, J., Zeitzer, J. M.
2009; 46 (6): 837-850
- **HLA DQB1*0602 IS ASSOCIATED WITH SLEEP PERCEPTION IN OLDER INDIVIDUALS WITH INSOMNIA** *23rd Annual Meeting of the Associated-Professional-Sleep-Societies (APSS)*
Zeitzer, J., Grove, M. E., Mignot, E., Yesavage, J. A., Friedman, L.
AMER ACAD SLEEP MEDICINE.2009: A262-A262
- **Neuropsychiatric diagnosis and management of chronic sequelae of war-related mild to moderate traumatic brain injury** *JOURNAL OF REHABILITATION RESEARCH AND DEVELOPMENT*

-
- Halbauer, J. D., Ashford, J. W., Zeitzer, J. M., Adamson, M. M., Lew, H. L., Yesavage, J. A.
2009; 46 (6): 757-795
- **Insomnia in the context of traumatic brain injury** *JOURNAL OF REHABILITATION RESEARCH AND DEVELOPMENT*
Zeitzer, J. M., Friedman, L., O'Hara, R.
2009; 46 (6): 827-835
 - **Vagal regulation, cortisol, and sleep disruption in women with metastatic breast cancer.** *Journal of clinical sleep medicine*
Palesh, O., Zeitzer, J. M., Conrad, A., Giese-Davis, J., Mustian, K. M., Popek, V., Nga, K., Spiegel, D.
2008; 4 (5): 441-449
 - **CSF hypocretin-1 assessment in sleep and neurological disorders** *LANCET NEUROLOGY*
Bourgin, P., Zeitzer, J. M., Mignot, E.
2008; 7 (7): 649-662
 - **Kleine-Levin syndrome: A systematic study of 108 patients** *ANNALS OF NEUROLOGY*
Arnulf, I., Lin, L., Gadoth, N., File, J., Lecendreu, M., Franco, P., Zeitzer, J., Lo, B., Faraco, J. H., Mignot, E.
2008; 63 (4): 482-493
 - **Vagal Regulation, Cortisol, and Sleep Disruption in Women with Metastatic Breast Cancer** *JOURNAL OF CLINICAL SLEEP MEDICINE*
Palesh, O., Zeitzer, J. M., Conrad, A., Giese-Davis, J., Mustian, K. M., Popek, V., Nga, K., Spiegel, D.
2008; 4 (5): 441-449
 - **Preliminary evidence that hippocampal volumes in monkeys predict stress levels of adrenocorticotrophic hormone** *BIOLOGICAL PSYCHIATRY*
Lyons, D. M., Parker, K. J., Zeitzer, J. M., Buckmaster, C. L., Schatzberg, A. F.
2007; 62 (10): 1171-1174
 - **Plasma melatonin rhythms in young and older humans during sleep, sleep deprivation, and wake** *SLEEP*
Zeitzer, J. M., Duffy, J. F., Lockley, S. W., Dijk, D., Czeisler, C. A.
2007; 30 (11): 1437-1443
 - **Increasing length of wakefulness and modulation of hypocretin-1 in the wake-consolidated squirrel monkey** *AMERICAN JOURNAL OF PHYSIOLOGY-REGULATORY INTEGRATIVE AND COMPARATIVE PHYSIOLOGY*
Zeitzer, J. M., Buckmaster, C. L., Lyons, D. M., Mignot, E.
2007; 293 (4): R1736-R1742
 - **A physiologically based mathematical model of melatonin including ocular light suppression and interactions with the circadian pacemaker** *JOURNAL OF PINEAL RESEARCH*
St Hilaire, M. A., Gronfier, C., Zeitzer, J. M., Klerman, E. B.
2007; 43 (3): 294-304
 - **Sleep/wake fragmentation disrupts metabolism in a mouse model of narcolepsy** *JOURNAL OF PHYSIOLOGY-LONDON*
Zhang, S., Zeitzer, J. M., Sakurai, T., Nishino, S., Mignot, E.
2007; 581 (2): 649-663
 - **Decreased sensitivity to phase-delaying effects of moderate intensity light in older subjects** *NEUROBIOLOGY OF AGING*
Duffy, J. F., Zeitzer, J. M., Czeisler, C. A.
2007; 28 (5): 799-807
 - **Normal cerebrospinal fluid levels of hypocretin-1 (orexin A) in patients with fibromyalgia syndrome** *SLEEP MEDICINE*
Taiwo, O. B., Russell, I. J., Mignot, E., Lin, L., Michalek, J. E., Haynes, W., Xiao, Y., Zeiter, J. M., Larson, A. A.
2007; 8 (3): 260-265
 - **In Alzheimer disease, increased wake fragmentation found in those with lower hypocretin-1** *NEUROLOGY*
Friedman, L. F., Zeitzer, J. M., Lin, L., Hoff, D., Mignot, E., Peskind, E. R., Yesavage, J. A.
2007; 68 (10): 793-794
 - **Hypocretin-1 is inversely associated with wake fragmentation in Alzheimer's disease** *21st Annual Meeting of the American-Professional-Sleep-Societies*
Zeitzer, J., Friedman, L., Lin, L., Mignot, E., Peskind, E., Yesavage, J.
AMER ACAD SLEEP MEDICINE.2007: A302-A302
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- **The neurobiology of hypocretins (orexins), narcolepsy and related therapeutic interventions** *TRENDS IN PHARMACOLOGICAL SCIENCES*
Zeitzer, J. M., Nishino, S., Mignot, E.
2006; 27 (7): 368-374
- **Extracellular adenosine in the human brain during sleep and sleep deprivation: An in vivo microdialysis study** *SLEEP*
Zeitzer, J. M., Morales-Villagran, A., Maidment, N. T., Behnke, E. J., Ackerson, L. C., Lopez-Rodriguez, F., Fried, I., Engel, J., Wilson, C. L.
2006; 29 (4): 455-461
- **Reduced sleep efficiency in cervical spinal cord injury; association with abolished night time melatonin secretion** *SPINAL CORD*
Scheer, F. A., Zeitzer, J. M., Ayas, N. T., Brown, R., Czeisler, C. A., Shea, S. A.
2006; 44 (2): 78-81
- **Kleine-Levin syndrome: a systematic review of 186 cases in the literature** *BRAIN*
Arnulf, I., Zeitzer, J. M., File, J., Farber, N., Mignot, E.
2005; 128: 2763-2776
- **Temporal dynamics of late-night photic stimulation of the human circadian timing system** *AMERICAN JOURNAL OF PHYSIOLOGY-REGULATORY INTEGRATIVE AND COMPARATIVE PHYSIOLOGY*
Zeitzer, J. M., Khalsa, S. B., Boivin, D. B., Duffy, J. F., Shanahan, T. L., Kronauer, R. E., Czeisler, C. A.
2005; 289 (3): R839-R844
- **Bilateral oculosympathetic paresis associated with loss of nocturnal melatonin secretion in patients with spinal cord injury** *JOURNAL OF SPINAL CORD MEDICINE*
Zeitzer, J. M., Ayas, N. T., Wu, A. D., Czeisler, C. A., Brown, R.
2005; 28 (1): 55-59
- **Lesions of the suprachiasmatic nucleus eliminate the daily rhythm of hypocretin-1 release** *SLEEP*
Zhang, S. W., Zeitzer, J. M., Yoshida, Y., Wisor, J. P., Nishino, S., Edgar, D. M., Mignot, E.
2004; 27 (4): 619-627
- **Locomotor-dependent and -independent components to hypocretin-1 (orexinA) regulation in sleep-wake consolidating monkeys** *JOURNAL OF PHYSIOLOGY-LONDON*
Zeitzer, J. M., Buckmaster, C. L., Lyons, D. M., Mignot, E.
2004; 557 (3): 1045-1053
- **Diurnal variation of cerebrospinal fluid hypocretin-1 (orexin-A) levels in control and depressed subjects** *16th Annual Meeting of the Associated-Professional-Sleep-Societies*
Salomon, R. M., Ripley, B., Kennedy, J. S., Johnson, B., Schmidt, D., Zeitzer, J. M., Nishino, S., Mignot, E.
ELSEVIER SCIENCE INC.2003: 96-104
- **Circadian and homeostatic regulation of hypocretin in a primate model: Implications for the consolidation of wakefulness** *JOURNAL OF NEUROSCIENCE*
Zeitzer, J. M., Buckmaster, C. L., Parker, K. J., Hauck, C. M., Lyons, D. M., Mignot, E.
2003; 23 (8): 3555-3560
- **Regional analyses of CNS microdialysate glucose and lactate in seizure patients** *EPILEPSIA*
Cornford, E. M., Shamsa, K., Zeitzer, J. M., Enriquez, C. M., Wilson, C. L., Behnke, E. J., Fried, I., Engel, J.
2002; 43 (11): 1360-1371
- **Ultradian sleep-cycle variation of serotonin in the human lateral ventricle** *NEUROLOGY*
Zeitzer, J. M., Maidment, N. T., Behnke, E. J., Ackerson, L. C., Fried, I., Engel, J., Wilson, C. L.
2002; 59 (8): 1272-1274
- **Diurnal variation of CSF hypocretin-1 (orexin A) levels in control and depressed subjects**
Salomon, R. M., Ripley, B., Kennedy, J. S., Schmidt, D., Zeitzer, J., Nishino, S., Mignot, E.
AMER ACAD SLEEP MEDICINE.2002: A12-A13
- **Peak of circadian melatonin rhythm occurs later within the sleep of older subjects** *AMERICAN JOURNAL OF PHYSIOLOGY-ENDOCRINOLOGY AND METABOLISM*
Duffy, J. F., Zeitzer, J. M., Rimmer, D. W., Klerman, E. B., Dijk, D. J., Czeisler, C. A.
2002; 282 (2): E297-E303

- **The role of hypocretins (orexins) in sleep regulation and narcolepsy** *ANNUAL REVIEW OF NEUROSCIENCE*
Taheri, S., Zeitzer, J. M., Mignot, E.
2002; 25: 283-313
- **Absence of an increase in the duration of the circadian melatonin secretory episode in totally blind human subjects** *JOURNAL OF CLINICAL ENDOCRINOLOGY & METABOLISM*
Klerman, E. B., Zeitzer, J. M., Duffy, J. F., Khalsa, S. B., Czeisler, C. A.
2001; 86 (7): 3166-3170
- **Fluctuations in neurotransmitter concentrations in human brain dialysates during sleep or wakefulness, during epileptic seizures or following cognitive challenge** *9th International Conference on In Vivo Methods*
Maidment, N. T., Fried, I., LOPEZ, F., Zeitzer, J. M., Behnke, E. B., Ackerson, L. C., Engel, J., Wilson, C. L.
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