

BIOGRAPHICAL SKETCH

Provide the following information for the key personnel in the order listed for Form Page 2.
Follow the sample format for each person. **DO NOT EXCEED FOUR PAGES.**

NAME		POSITION TITLE	
Thomas F. Newton, M.D.		Associate Professor in Residence	
EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)			
INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
Stanford University, Stanford, CA	B.S.	1981	Biology
Yale University, New Haven, CT	M.D.	1985	Medicine
UCLA, Los Angeles, CA	Resident	1989	Psychiatry
UCLA, Los Angeles, CA	Postdoc	1991	Psychobiology

A. Positions and Honors

POSITIONS

7/88-7/89	NIMH Post Doctoral Scholar in Psychobiology, UCLA Department of Psychiatry, Advisor: H. Weiner, M.D.
7/89-6/90	NIMH Post Doctoral Scholar in HIV and the Brain, UCLA Department of Psychiatry, Advisor: H. Weiner, M.D.
7/89-7/92	Clinical Instructor, UCLA Department of Psychiatry
7/90-Present	Staff Psychiatrist, West Los Angeles VA Medical Center
7/92-4/98	Assistant Clinical Professor, UCLA Department of Psychiatry
4/98-7-99	Associate Clinical Professor, UCLA Department of Psychiatry
7/99-Present	Associate Professor in Residence

HONORS

B.S. with Distinction, Honors in Biology, Stanford University 1981
Zalec Familial Research Award, "Finest Research Paper by a Resident or Fellow in Academic Year 1989-90"

CERTIFICATION:

American Board of Electroencephalography and Neurophysiology, 1991
American Board of Psychiatry and Neurology (Psychiatry), 1993

B. Selected peer-reviewed publications (in chronological order).

1. Reynolds CF, Newton TF, Coble PA, Kupfer DJ, Shaw DH. Electro-encephalographic Sleep Findings in Depressed Outpatients. Psychiatry Res. 6:65-76 1982.
2. Reynolds CF, Shaw DH, Newton TF, Coble PA, Kupfer DJ. Electro-encephalographic Sleep in Outpatients With Generalized Anxiety: A Preliminary Comparison With Depressed Out Patients. Psychiatry Research (1983); 8:81-90.
3. Leuchter AF, Newton T, Cook I, Walter DO, Lachenbruch P. Changes in Brain Functional Connectivity in Alzheimer's Type and Multi-infarct Dementia. Brain (1992); 115:1543-1561.
4. Newton TF, Leuchter AF, Walter DO, Van Gorp W, Stern C, Mandelkern M, Weiner H. EEG coherence in men with AIDS: association with subcortical metabolic activity. Journal of Neuropsychiatry and Clinical Neurosciences (1993); 5:316-321.
5. Leuchter AF, Cook I, Newton T, Dunkin J, Walter DO, Rosenberg-Thompson S, Lachenbruch P, Weiner H. Regional differences in brain electrical activity in dementia; use of spectral power and spectral ratio measures. Electroencephalography and Clinical Neurophysiology (1993); 87:385-393.
6. Newton TF, Leuchter AF, Walter DO, VanGorp W, Morgenstern H, Miller EN, Lieb K, Visscher B, Staz P, Weiner H. Electroencephalic coherence in acquired immune deficiency syndrome. Psychiatry Research (1994); 54:1-11.
7. Newton TF, Leuchter AF, Miller E, Weiner H. Quantitative EEG in AIDS and asymptomatic HIV infection. Clinical EEG (1994); 25:18-25.
8. Leuchter AF, Cook IA, Mena I, Dunkin F, Cummings JL, Newton TF, Migneco O, Lufkin RB, Walter DO, Lachenbruch PA. Assessment of cerebral perfusion and metabolism using quantitative electroencephalographic cordance. Psychiatry Research 55:141-152 (1994).
9. Leuchter AF, Simon SL, Daly KA, Rosenberg-Thompson S, Abrams M, Dunkin JJ, Cook IA, Newton TF, Walter DO, Cummings JL. Quantitative EEG correlates of outcome in older psychiatric patients. Part I: Cross-sectional and longitudinal assessment of patients with dementia. American Journal of Geriatric Psychiatry (1994); 2:200-209.
10. Leuchter AF, Simon SL, Daly KA, Rosenberg-Thompson S, Abrams M, Dunkin JJ, Cook IA, Newton TF, Spar JE. Neurophysiologic correlates of outcome in elderly psychiatric patients. II. Two year follow-up of patients with depression. American Journal of Geriatric Psychiatry (1994); 2:290-299.

11. Leuchter AF, Dunkin JJ, Lufkin RB, Anzai Y, Newton TF. The effect of white-matter disease on functional connections in the aging brain. Journal of Neurology, Neurosurgery and Psychiatry (1994); 57:1347-1354.
12. Dunkin JJ, Leuchter AF, Newton TF, Cook IA. Reduced EEG coherence in dementia: state or trait marker? Biol Psychiatry (1994); 35:870-879.
13. Fiala M, Stins MF, Gan X-H, Newton T, Kermani V, Diagne A, Chiappelli F, Kung MA, Martinez O, Way D, Graves M, Witte M, Shapshak P, Kim KS. Abused drugs, cytokines and the blood-brain barrier (BBB) in AIDS dementia. Neuroimmunology (1996); 69:47-49.
14. Fiala, AM; Gan, XH; Newton T; Chiappelli, F; Shapshak, P; Kermani, V; Kung, MA; Diagne, A; Martinez, O; Way, D; Weinand, M; Witte, M; Graves, M. Divergent effects of cocaine on cytokine production by lymphocytes and monocyte/macrophages: HIV-1 enhancement by cocaine within the blood-brain barrier. Advances in Experimental Medicine and Biology, 1996, 402:145-56.
15. Newton TF, Leuchter AF, vanGorp WG, Hinkin CH, Mandelkern M, Weiner H. EEG power correlates with subcortical metabolic activity in AIDS. Journal of Neuropsychiatry and Clinical Neurosciences (1997); 9:574-578.
16. Newton TF, Khalsa ME, Gawin FH. The face of craving? Facial muscle EMG and reported craving in abstinent and non-abstinent cocaine users. Psychiatry Research (1997); 73:115-118.
17. Newton TF, Cook IA, Holschneider D, Rosenblatt M, Lindholm J, Jarvik J. Quantitative EEG Effects of Nicotine Replacement by Cigarette Smoking. Neuropsychobiology (1998); 37:112-116.
18. Gan X-H, Zhang L, Newton T, Chang SL, Ling W, Kermani V, Berger O, Graves MC, Fiala M. Cocaine infusion increases interferon-gama and decreases interleukin-10 in cocaine-dependent subjects. Clin Immun Immunopathol. (1998); 89:181-190.
19. Fiala, M; Gan, XH; Zhang, L; House, SD; Newton T; Graves, MC; Shapshak, P; Stins, M; Kim, KS; Witte, M; Chang, SL. Cocaine enhances monocyte migration across the blood-brain barrier. Cocaine's connection to AIDS dementia and vasculitis? Advances in Experimental Medicine and Biology, 1998, 437:199-205.
20. Bartzokis, G, Beckson M, Newton T, Mandelkern M, Mintz J, Foster JA, Ling W, Bridge, TP. Selegiline effects on cocaine-induced changes in medial temporal lobe metabolism and subjective ratings of euphoria. Neuropsychopharmacology (1999) 20: 582-90.
21. Uslaner, J, Kalechstein A, Richter T, Ling W, Newton TF. Depression predicts response to experimentally administered cocaine. American J Psychiatry (1999) 156:1444-1446.
22. Newton, T, Kalechstein A, Beckson M, Bartzokis G, Bridge P, Ling W. Effects of Selegiline Pretreatment on Response to Experimental Cocaine Administration. Psychiatry Research (1999) 87:101-106.
23. Kalechstein, AD, Newton TF, Longshore D, Anglin MD, van Gorp WG, Gawin FH: Psychiatric comorbidity of methamphetamine dependence in a forensic sample. J Neuropsychiatry Clin Neurosci (2000)12:480-4.
24. Newton, TF, Kalechstein AD, Uslaner J, Tervo K, Ling W. Risperidone Reduces the Euphorogenic Effects of Experimentally Administered Cocaine. Psychiatry Research (2001) Psychiatry Res 102:227-33.
25. Hinkin, C. H., Castellon, S. A., Hardy, D. J., Farinpour, R. Newton, T. Singer, E. Methylphenidate improves HIV-1-associated cognitive slowing. J Neuropsychiatry Clin Neurosci, (2001) 13 (2), 248-54.
26. Kalechstein, A.D., Newton, T. F., & Leavengood, A.H. (2002). Apathy syndrome in cocaine dependence. Psychiatry Research (2002) 109 (1), 97-100.
27. Kalechstein AD, Newton TF, Green M (2003): Methamphetamine dependence is associated with neurocognitive impairment in the initial phases of abstinence. J Neuropsychiatry Clin Neurosci; 15(2):215-20
28. Newton TF, Kalechstein AD, Tervo KE, Ling W. (2003) Irritability Following Abstinence from Cocaine Predicts Euphoric Effects of Cocaine Administration. Addictive Behaviors, 28:817-821.
29. Newton TF, Cook IA, Kalechstein AD, Duran S, Monroy F, Ling W, Leuchter AF (2003): Quantitative EEG Abnormalities in Recently Abstinent Methamphetamine Dependent Individuals. Clinical Neurophysiology 114:410-415.
30. Newton TF, Kalechstein AD, Duran S, VanSluis N, Ling W (2003): Methamphetamine Abstinence Syndrome: Preliminary Findings. American Journal on Addictions In press.
31. Kalechstein AD, Newton TF, van Gorp WG (in press): Neurocognitive functioning is associated with employment status: a quantitative review. Journal of Clinical and Experimental Neuropsychology.
32. Houtsmuller EJ, Notes LD, Newton T, Van Sluis N, Chiang N, Elkashef A, Bigelow GE (2003): Transdermal selegiline and intravenous cocaine: safety and interactions. Psychopharmacology (Berl). In press.
33. London ED, Simon SL, Berman SM, Mandelkern MA, Lichtman AM, Bramen J, Shinn AK, Miotto K, Learn J, Dong Y, Matochik JA, Kurian V, Newton T, Woods R, Rawson R, Ling W. (2004) Mood disturbances and regional cerebral metabolic abnormalities in recently abstinent methamphetamine abusers. Arch Gen Psychiatry 61(1):73-84.
34. Newton TF, Kalechstein AD, Hardy DJ, Cook IA, Nestor L, Ling W, Leuchter AF (2004): Association between quantitative EEG and neurocognition in methamphetamine-dependent volunteers. Clin Neurophysiol 115:194-8.

CHAPTERS AND INVITED PAPERS

Kalechstein, A. D., van Gorp, W. G., & Newton, T. F. (1999). Differential diagnosis in individuals infected with HIV. In J. Ricker (Ed.). Differential Diagnosis in Adult Neuropsychological Assessment. New York, NY: Springer-Verlag Publishing