

BIOGRAPHICAL SKETCH

Provide the following information for the key personnel in the order listed for Form Page 2.
Photocopy this page or follow this format for each person.

NAME		POSITION TITLE	
James H Fallon		Professor	
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
St Michael's College, VT	BA	1969	Biology, Chemistry
Rensselaer Polytechnic Institute	MS	1972	Psychophysics
University of Illinois	PhD	1975	Anatomy, Physiology
UC San Diego	Postdoc	1978	Neurosciences

RESEARCH AND PROFESSIONAL EXPERIENCE: Concluding with present position, list, in chronological order, previous employment, experience, and honors. Include present membership on any Federal Government public advisory committee. List, in chronological order, the titles, all authors, and complete references to all publications during the past three years and to representative earlier publications pertinent to this application. If the list of publications in the last three years exceeds two pages, select the most pertinent publications. **DO NOT EXCEED TWO PAGES.**

1978-present Professor, Department of Anatomy and Neurobiology, College of Medicine, Univ of California, Irvine

Awards: NIH RCDA (1980-1985)
Sloan Fellow (1976-1978)
Fulbright Senior Research Fellow (1990-1991)

Relevant Publications:

Fallon, JH, Opole, IO, Potkin, SG (2003) The Neuroanatomy of Schizophrenia: at the Molecular, Cellular, and Systems Levels.. Clinical Neur. Res. 3: 77-107.

Potkin, SG, Alva, G, Keator, D, Carreon, D., , Wu, JC, Fleming, K, and Fallon, JH (2002) A PET Study of the Pathophysiology of Negative Symptoms in Schizophrenia. Am J Psychiatry 159: :227-237.

Landing, BH, Shankle, WR, Hara, J, Brannock, J, and Fallon, JH (2002) The development of Structure and Function in the Postnatal Human Cerebral Cortex from Birth to 72 Months: Changes in thickness of Layers II and III correlate to the onset of New Age-Specific Behaviors. Ped. Path. Molecular Medicine 21: 321-342.

Potkin, SG, Fallon, JH (2002) Brain Metabolic Effects of Neotrofin in Patients with Alzheimer's Disease. Brain Res. 951:87-95.

Potkin, SG, Basile, V, Marsellis, M, Badri, F, Keator, D, Wu, J, Alva, G, Carreon, D, Bunney, W, Fallon, J, Kennedy J. (2002) D1 receptor alleles predict PET metabolic correlates of clinical response to clozapine. Molecular Psychiatry 8:109-133.

Shankle, W. R., Hara, J., Fallon, J. H., Landing, B. H. "How the brain develops and how it functions: application of neuroanatomical data of the developing human cerebral

cortex to computational models.” In Computational Neuroanatomy: Principles and Methods. Ed G Ascoli, Humana Press Inc. Ch. 18 2002.

Cahill, L, Haier, R., White, N, Fallon, J., Kilpatrick, L., Lawrence, C., Potkin, S., Alkire, M (2001) Sex-related difference in amygdala activity during emotionally influenced memory storage. Neurobiology Learning Mem. 75: 1-9.

Potkin, S., Anand, R., Fleming, K., Alya, H., Keator, D., Carrion, D., Messina, J., Wu, J., Hartman, R., and Fallon, J (2001) Brain metabolic and clinical effects of Rivastigmine in Alzheimer’s disease. Int J Neuropsychopharmacol. 4:223-230.

Gottschalk, LA, Fronczek, J., Abel, L., and Fallon, J.H (2001) The cerebral neurobiology of anxiety, anxiety-displacement, and anxiety-denial. Psychotherapy and Psychosomatics. (Jan.2001).

Fallon, JH, Reid, JR, Kinyamu, RM, Opole, IO, Opole, R, Baratta, J, Korc, M, Endo, T, Duong, A, Nguyen, G, Karkehabadi, M, Twardzik, D, Loughlin, SE (2000) In vivo induction of massive proliferation, directed migration, and differentiation of neural cells in the adult mammalian brain. Proc. Natl. Acad. Sci. 26 (97): 14686-14691.

McCormick, BH, W Koh, WR Shankle, JH Fallon (2000) Geometric modeling of local cortical networks. Neurocomputing 32-33:461-469.

Alkire, M.T., RJ Haier, and JH Fallon, (2000) Toward a unified theory of narcosis: Brain imaging evidence for a thalamocortical switch as the neurophysiologic basis of anesthetic-induced unconsciousness. Consciousness & Cognition, 9:370-386.

McCormick, BH, RW DeVaul, WR Shankle, JH Fallon (2000) Modeling neuron spatial distribution and morphology in the developing human cerebral cortex. Neurocomputing 32-33:897-904.

Wu JC, Iacono R, Ayman M, Salmon E, Lin SD, Carlson J, Keator D, Lee A, Najafi A, Fallon, J (2000) Correlation of intellectual impairment in Parkinson's disease with FDG PET scan. Neuroreport.;11(10):2139-44.

DeMet, EM, Chicz-DeMet, A, Fallon, JH, and Sokolski, KN (1999) Sleep deprivation therapy in depressive illness and Parkinson’s Disease. Prog. Neuropsychopharmacology and Biolog Psychiatry 23:753- 784.

Shankle, WR, Rafii, MS, Landing, BH, and Fallon, JH (1999) Approximate doubling of the numbers of neurons in the postnatal human cortex and in 35 specific cytoarchitectonic areas from birth to 72 months. Pediatric and Developmental Pathology 2:244-259.

Wu, J., Gillin, J., Buchsbaum, M., Tang, C., Cadwell, S., Keator, Fallon J., Wiegand, M., Najafi, A., Hazen, K., and Bunney, W. (1999) Prediction of antidepressant effects of sleep deprivation by metabolic rates in the ventral anterior cingulate and medial prefrontal cortex. Amer J Psych. 156:1149-1158.

Alkire, M.T., CJD Pomfrett., RJ Haier., MV Gianzero., CM Chan, BP Jacobsen, and JH Fallon, (1999) Functional brain imaging during anesthesia in humans: Effects of halothane on global and regional cerebral glucose metabolism. Anesthesiology, 90(3):701- 709.

Buchsbaum, MS, Tang, CY, Peled, S, Gudbjartsson, H., Lu, D, Hazlett, Downhill, J., Haznedar, M., Fallon, JH, and Atlas, SD (1998) MRI white matter diffusion anisotropy and PET metabolic rate in schizophrenia. NeuroReport 9: 425-430.

Alkire, MT, Haier, RJ, Fallon, JH, and Cahill, L. (1998) Hippocampal, but not amygdala, at encoding correlates with long term, free recall of nonemotional information. Proc Nat Acad Sci. 95: 14506-14510

Buchsbaum, MS, Fallon, JH, Wei, T Guitch, S. Spiegel-Cohen, J, Hamilton, M, Tang, C (1998) A method of basal forebrain anatomical standardization for functional image analysis. Neuroimaging Psychiatry Res.;84(2-3):113-25

Alkire, MT, Haier, RJ, Fallon, JH, Barker, SJ, and Shah, NK (1998) Positron emission tomography suggests the functional anatomy of implicit memory during propofol anesthesia. In: Memory and Anesthesia

Cahill, L., Haier, R., Fallon, J., Alkire, M., Tang, C., Keator, D., J., McGaugh, J. (1997) Amygdala activity at encoding correlated with long-term, free recall of emotional information. Proc. Nat. Acad. Sci. 93:8016-8021

Alkire, MT, R Haier, JH Fallon (1997) Towards the neurobiology of consciousness: Using brain imaging and anesthesia to investigate the anatomy of consciousness. In: Hameroff et al (eds): Toward a science of consciousness II Tuscon Discussions and Debates MIT Press.

Noble, E., Gottschalk, L., Fallon, J.H., Ritchie, T., Wu, J (1997) D2 dopamine receptor polymorphism and brain regional glucose metabolism. Amer J Medical Genetics 74:162-166.

Haier, R.J., Hazen, K., Fallon, J., Alkire, M.T., Schell, M.J., Loh, I.T. (1997) Brain imaging and classification of mental retardation. In: Perspective on Fundamental Processes in Intellectual Functioning. (Soraci and McInane, Eds.) Ablex Press, NJ. Pp 115-130