

BIOGRAPHICAL SKETCH

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

NAME Barry Oken, MD		POSITION TITLE Professor, Dept of Neurology Professor, Dept of Behavioral Neuroscience Associate Professor, Dept of Physiology & Pharmacology	
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
University of Rochester, New York Medical College of Wisconsin	BA MD	1974 1978	Mathematics Medicine

A. Positions and Honors.**Positions and Employment**

1978-1979 Intern, University of Illinois Affiliated Hospitals, Chicago, Illinois.
 1980-1983 Resident in Neurology, Boston University Medical Center, Boston, Massachusetts.
 1983-1985 Fellow in Electroencephalography and Evoked Potentials, Massachusetts General Hospital.
 Fellow in Neurology, Harvard Medical School, Boston, Massachusetts.
 1985-2000 Assistant & Associate Professor of Neurology, Oregon Health Sciences University (OHSU)
 1995- Associate Professor of Physiology and Pharmacology, OHSU, Portland, Oregon.
 1996-2000 Associate Professor, Department of Behavioral Neuroscience, OHSU, Portland, Oregon
 2000- Professor, Departments of Neurology and Behavioral Neuroscience, OHSU
 2000- Associate Director, Oregon Alzheimer Disease Center

B. Selected publications (in chronological order) from 40 articles, 12 chapters & 46 published abstracts**BIBLIOGRAPHY—ARTICLES:**

Oken BS, Salinsky M. Alertness and attention: basic science and electrophysiologic correlates. *Journal of Clinical Neurophysiology*. 1992; 9:480-494.
 Oken BS, Kishiyama SS, Kaye JA, & Howieson DB. Attention deficit in Alzheimers disease is not simulated by an anticholinergic/antihistaminergic drug and is distinct from deficits in healthy aging. *Neurology*. 1994; 44:657-662.
 Wild KV, Kaye JA, Oken B. Early noncognitive change in Alzheimer's disease and healthy aging. *J. Geriatric Psychiatry and Neurology*. 1994; 7:199-205.
 Oken BS, Kishiyama SS, Salinsky MC. Pharmacologically induced changes in arousal: effects on behavioral and electrophysiologic measures of alertness and attention. *EEG Clin Neurophys*. 1995; 95:359-71.
 Camicioli R, Howieson D, Oken B, Sexton G, & Kaye J. Motor slowing precedes cognitive impairment in the oldest old. *Neurology*. 1998; 50: 1496-1498.
 Oken BS, Storzbach DM, Kaye JA. The efficacy of Ginkgo Biloba on cognitive function in Alzheimer's disease. *Archives of Neurology*. 1998; 55: 1409-1415.
 Camicioli R, Oken BS, Sexton G, Kaye JA, Nutt JG. Verbal fluency task affects gait in Parkinson's disease with motor freezing. *Journal of Geriatric Psychiatry and Neurology*. 1998; 11:181-185.
 Oken BS, Kishiyama SS, Kaye JA, Jones DE. Age-related differences in global-local processing: stability of laterality differences but disproportionate impairment in global processing. *Journal of Geriatric Psychiatry and Neurology* 1999; 12:76-81
 Lou JS, Kearns G, Oken B, Sexton G, Nutt J. Exacerbated physical fatigue and mental fatigue in Parkinson's disease. *Movement Disorders*. 2001; 16:190-196.
 Luu P, Tucker DM, Englander R, Lockfield A, Lutsep H, Oken B. Localizing acute stroke-related EEG changes: Assessing the effects of spatial undersampling. *Journal of Clinical Neurophys* 2001, 18:302-317.

Griesar WS, Zajdel DP, Oken BS. Nicotine effects on alertness and spatial attention in non-smokers. *Nicotine and Tobacco Research* 2002, 4:185-194.

Salinsky MC, Binder LM, Oken BS, Dodrill CB, Storzbach D. Effects of gabapentin and carbamazepine on the EEG, alertness, and cognition in healthy volunteers. *Epilepsia* 2002, 43:482-490.

Kishiyama S, Carlsen J, Lawrence J, Small E, Zajdel D, Oken B. Yoga as an experimental intervention for cognition in multiple sclerosis. *International Journal of Yoga Therapy* 2002, 12:57-62.

Lou J-S, Kearns G, Benice T, Oken BS, Sexton G, Nutt J. Levodopa improves physical fatigue in Parkinson's disease - a double-blind, placebo-controlled crossover study. *Movement Disorders* 2003, 18:1108-1114.

Salinsky MC, Oken BS, Storzbach D, Dodrill CB. Assessment of CNS effects of antiepileptic drugs using quantitative EEG measures. *Epilepsia* 2003, 44:1042-1050.

Oken BS, Kishiyama S, Zajdel D, Bourdette D, Carlsen J, Haas M, et al. Randomized controlled trial of yoga and exercise in multiple sclerosis. *Neurology* 2004;62:2058-2064.

Salinsky MC, Storzbach D, Spencer DC, Oken BS, Landry T, Dodrill CB. Effects of topiramate and gabapentin on cognitive abilities in healthy volunteers. *Neurology* 2005, 64:792-798.

Kishiyama SS, Leahy MJ, Zitzelberger TA, Guariglia R, Zajdel DP, Calvert JF, Kaye JA, Oken BS. Patterns of dietary supplement usage in demographically diverse older people. *Alternative Therapies in Health and Medicine* (in press).

Lovera J, Bagert B, Smoot K, Wild K, Frank R, Bogardus K, Oken B, Whitham R, Bourdette D. Self-perception of cognitive dysfunction reflects depression more than neurocognitive abnormalities: Correlations of the Perceived Deficits Questionnaire of the Multiple Sclerosis Quality of Life Inventory with Beck's Depression Inventory and neuropsychological tests. *Journal of Rehabilitation Research and Development* (in press).

Oken B, Flegal K, Zajdel D, Kishiyama S, Lovera J, Bagert B, Bourdette D. Cognition and fatigue in multiple sclerosis: potential impact of medications with CNS side effects. *Journal of Rehabilitation Research and Development* (in press).

BIBLIOGRAPHY—CHAPTERS

Oken B. Endogenous event-related potentials. In: Chiappa KH (ed). *Evoked potentials in clinical medicine* (3rd edition). New York: Lippincott-Raven Publishers. 1997; 529-563.

Oken BS. Non-prescription and non-pharmacologic therapies for dementia. In: Oken BS (ed). *Complementary Therapies in Neurology: an evidence-based approach*. New York: Parthenon Publishing 2004:303-325.

BIBLIOGRAPHY—PUBLISHED ABSTRACTS

Oken BS, Kishiyama S, Zajdel D, Bourdette D, Carlsen J, Haas M, Hugos C, Kraemer D, Lawrence J, Mass M. Randomized trial of yoga and exercise in multiple sclerosis: improvements in fatigue but not cognitive function compared to control group. *Neurology* 2003 (Suppl 1), 60:A485.

Oken BS, Kishiyama S, Zajdel D, Flegal K, Dehen C, Haas M, Kraemer DF, Lawrence J, Leyva J. Randomized controlled trial of exercise and yoga in healthy seniors. *Neurology* 2004 (suppl 5), 62:A130.

Silbert LC, Holman S, Eaton R, Sexton G, Oken B, Lou J-S, Kaye JA. Age-related subcortical white matter change is associated with increased cortical excitability – a TMS study. *Neurology* 2004, 62:A240.

Yung I, Zajdel D, Ellingson R, Beck V, Oken B. Effect of nicotine on heart rate variability. *Society for Neuroscience* 2003, 923.5

Zajdel, DP, Ellingson RM, Flegal KE, Kishiyama SS, Oken BS. Eye-gaze attention to novelty is reduced with age and is correlated with personality. *Society for Neuroscience* 2003, 933.12.

Oken BS, Kishiyama S, Zajdel D, Flegal K, Dehen C, Haas M, Kraemer DF, Lawrence J, Leyva J. Randomized controlled trial of exercise and yoga in healthy seniors. *Neurology* 2004 (suppl 5), 62:A130.

Silbert LC, Holman S, Eaton R, Sexton G, Oken B, Lou J-S, Kaye JA. Age-related subcortical white matter change is associated with increased cortical excitability – a TMS study. *Neurology* 2004(suppl 5), 62:A240.

Bagert B, Lovera, J, Oken B, Smoot K, Wild K, Frank R, Bogardus K, Bourdette D. Ginkgo Biloba improves cognitive performance in Multiple Sclerosis patients with cognitive dysfunction: a pilot study. *Neurology* 2005 (suppl 1), 46:A392

Silbert, L, Nelson C, Holman S, Oken B, Lou JS, Kaye J. Effects of hemispheric resting motor threshold differences on motor performance in the elderly. *Neurology* 2005 (suppl 1), 46:A362-363

C. Research Support

Ongoing Research Support

Research Projects Ongoing or Completed During the Last 3 Years:

NIH-NIA (P30 AG08017); Alzheimer Disease Core Center. Jeffrey Kaye, MD (PI) 2000-2010
3.7 million, 2000-2005. This project involves the characterization of a large cohort of subjects with Alzheimer's disease and some other dementia as well as healthy age-matched controls from cognitive, behavioral, neurological, neuroimaging, genetic and neuropathologic perspectives.
Role: Associate Director

NIH-NCCAM (P50 AT00066); Oregon Center for CAM in Neurological Disorders, Barry Oken, MD (PI)
1999-2004

This center grant is focused on research and education regarding CAM in neurological disorders. Dr. Oken is PI on the Administrative Core, the Assessment Core (responsible for dietary assessments, measures of oxidative injury, neuroimaging, and cognitive assessments in the human trials) and PI on one of the research projects (Effect of yoga on attention in aging and multiple sclerosis). The research project is a randomized trial of 6 months of yoga class vs 6 months of aerobic exercise class vs 6 months of wait-list control on cognitive measures of attention as well as quality of life measures, mood, stress, and measures of oxidative injury.
Role: PI

NIH-NCCAM (U19 AT002656); Complementary/Alternative Medicine: Expectancy & Outcomes,
Barry Oken, MD (PI) 2004-2007

This project has developed models of placebo effects with objective markers and explores predictors of placebo responses. Dr. Oken is PI on the Administrative Core, the Assessment Core, and PI on one of the research projects (Expectancy effects in aging and Alzheimer's disease).
Role: PI

NIH-NCCAM (T32 AT002688); CAM Research Training in Neuroscience & Stress, Barry Oken, MD (PI)
2005 – 2010

The T32 program will utilize ongoing cross-institutional collaborations to provide a multidisciplinary setting for training both basic and clinical CAM researchers.
Role: PI

NIH-NICHD (R21 HD047754-0 1A1); AAC Applications in Dementia, Melanie Fried-Oken, PhD (PI)
2005 – 2007

This pilot project will determine whether Augmentative and Alternative Communication (AAC) devices improve the conversation of adults with moderate dementia.
Role: Investigator