

BIOGRAPHICAL SKETCH

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

NAME		POSITION TITLE	
Charles C. Wood		Vice President	
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
Wittenberg University	B.A.	1968	Psychology
Yale University	Ph.D.	1973	Psychology / Neuroscience

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.**

EMPLOYMENT

1972-1976: Post-Doctoral Research Scientist; Captain, U.S. Army, Division of Neuropsychiatry, Walter Reed Army Institute of Research, Washington, DC
 1977-1982: Assistant Professor, Departments of Neurology and Psychology, Yale University School of Medicine, New Haven, CT and Neuropsychology Laboratory, West Haven VA Medical Center
 1982-1989: Associate Professor, Departments of Neurology and Psychology, Yale University School of Medicine, New Haven, CT and Neuropsychology Laboratory, West Haven VA Medical Center
 1989-2002: Group Leader, Biophysics Group, Physics Division, Los Alamos National Laboratory
 2000-2002: Interim Scientific Director, National Foundation for Functional Brain Imaging, Albuquerque, NM
 2002-2005: Group Leader, Biological and Quantum Physics Group, Physics Division, Los Alamos National Laboratory
 2005-Present: Vice President, Santa Fe Institute, Santa Fe, NM

AWARDS AND HONORS

Wittenberg University Presidential Scholar, 1967; B.A. Awarded Cum Laude, 1968
 Danforth Foundation Graduate Fellow, 1968-1972
 New York Academy of Sciences Outstanding Doctoral Dissertation Award, 1973
 National Endowment for the Humanities Postdoctoral Fellow, 1981 Institute on Philosophy of Mind

PROFESSIONAL SOCIETIES AND OTHER PROFESSIONAL ACTIVITIES

American Association for the Advancement of Science, New York Academy of Sciences, Society for Neuroscience, American Physical Society, Organization for Human Brain Mapping
 Review Committee Member or Ad Hoc Reviewer: National Institutes of Health, National Science Foundation, National Institute of Mental Health, Veterans Administration, Army Medical R&D Command, Air Force Office of Scientific Research, Human Frontiers in Science Program, Los Alamos LDRD Program, U.S. Department of Energy
 Editorial Board Member, Consulting Editor, or Reviewer: American Scientist, Behavioral and Brain Sciences, Biological Psychology, Brain and Cognition, Brain and Language, Brain Research, EEG Journal, Human Brain Mapping, Journal of the Acoustical Society of America, Journal of Neuroscience, Journal of Cognitive Neuroscience, Nature, Nature Neuroscience, Neuron, Neuroimage, Proceedings of the National Academy of Sciences, Science, The Sciences, Vision Research

SELECTED PUBLICATIONS

Wood, C.C., Cohen, D., Cuffin, B.N. and Allison, T. Electrical sources in human somatosensory cortex: Identification by combined magnetic and potential recordings. *Science*, 227: 1051-1053, 1985.

- Wood, C.C., Spencer, D.D., Allison, T., McCarthy, G., Williamson, P.D. and Goff, W.R. Localization of human sensorimotor cortex during surgery by cortical surface recordings of somatosensory evoked potentials. *Journal of Neurosurgery*, 68: 99-111, 1988.
- McCarthy, G., Wood, C.C., Williamson, P.D., and Spencer, D.D. Task-dependent field potentials in human hippocampus. *Journal of Neuroscience*, 9: 4253-4268, 1989.
- McCarthy, G., Wood, C.C. and Allison, T. Cortical somatosensory evoked potentials: I. Recordings in the monkey *Macaca fascicularis*. *Journal of Neurophysiology*, 66: 53-63, 1991.
- Allison, T., Wood, C.C. and McCarthy, G. Cortical somatosensory evoked potentials: II. Effects of excision of somatosensory or motor cortex in humans and monkeys. *Journal of Neurophysiology*, 66: 64-82, 1991.
- Allison, T., McCarthy, G., Wood, C.C., and Jones, S.J. Potentials evoked in human and monkey cerebral cortex by stimulation of the median nerve: A review of scalp and intracranial potentials. *Brain*, 114: 2465-2503, 1991.
- George, J.S., Lewis, P.S., Ranken, D.M., Kaplan, L. and Wood, C.C. Anatomical constraints for neuromagnetic source models. *SPIE Medical Imaging V: Image Physics*, 1443: 37-51, 1991.
- Jones, S.J., Allison, T., McCarthy G., and Wood, C.C. Tactile interference differentiates sub-components of N20, P20 and P29 in the human cortical surface somatosensory evoked potential. *Electroencephalography and Clinical Neurophysiology*, 82: 125-132, 1992.
- Allison, T., McCarthy, G., and Wood, C.C. The relationship between human long-latency somatosensory evoked-potentials recorded from the cortical surface and from the scalp. *Electroencephalography and Clinical Neurophysiology*, 84: 301-314, 1992.
- Wood, C.C. Human brain mapping in both time and space. *Human Brain Mapping*, 1994, 1: i-iv.
- George, J. S., Aine, C. J., Mosher, J. C., Schmidt, D. M., Ranken, D. M., Schlitt, H. A., Wood, C. C., Lewine, J.D., Sanders, J.D. and Belliveau, J.W. Mapping function in the human brain with magnetoencephalography, anatomical magnetic resonance imaging, and functional magnetic resonance imaging. *Journal of Clinical Neurophysiology*, 12: 406-431, 1995.
- Aine, C. George, J.S., Ranken, D., Best, E., Tiew, W., Flynn, E., Lewine, J., and Wood, C.C. Differences in the temporal dynamics of visual-evoked neuromagnetic activity for central versus peripheral stimulation. *Human Brain Mapping*, S1: 25, 1995.
- George, J., Mosher, J., Schmidt, D., Aine, C., Wood, C.C., Lewine, J., Sanders, J., and Belliveau, J. Functional neuroimaging by combined MRI, MEG, and fMRI. *Human Brain Mapping*, S1: 89, 1995.
- Aine, C. J., Supek, S., George, J. S., Ranken, D., Lewine, J., Sanders, J., Best, E., Tiew, W., Flynn, E.R., and Wood, C.C. Retinotopic organization of human visual cortex: departures from the classical model, *Cerebral Cortex*, 6: 354-361, 1996.
- Schmidt, D.M., George, J.S., and Wood, C.C. Estimating active regions of variable extent. *Neuroimage*, 5: 433, 1997.
- Schmidt, D.M., George, J.S. and Wood, C.C. Bayesian inference applied to the electromagnetic inverse problem. *Human Brain Mapping*, 7: 195-212, 1999.
- Ranken, D., Best, E., Flynn, E.R., Wood, C.C., Supek, S., Aine, C.J. Single vs. paired visual stimulation: superposition of early neuromagnetic responses and retinotopy in extrastriate cortex in humans. *Brain Research*, 830: 43-55, 1999.
- Wood, C.C. Volume models and source models for the electromagnetic inverse problem. *International Journal of Psychophysiology*, 33: 13, 1999.

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Role: Principal Investigator

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