
Kevin P. Kaut

Office

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Background and Education

- BA in Psychology, cum laude, **The University of Akron**, 1987
- MA in School Psychology, **The University of Akron**, 1990
- Biomedical Science—advancement to candidacy, **Kent State University**, 1998
- Ph.D. in Biomedical Science, **Kent State University**, 1999
 - Area of Specialization:* Behavioral Neuroscience
 - Cognate Minor:* Neuropharmacology
 - Dissertation Specialization:* Neurobiology of Learning and Memory
 - Dissertation Title:* The Role of the Hippocampal System in Information Acquisition and Retention: Defining the Contributions of the Hippocampus and Perirhinal-Entorhinal Cortex.

Awards and Professional Memberships

- Distinguished Teacher of the Year—1999, College of Arts and Sciences, Kent State University
- Outstanding Dissertation Award—2000, College of Arts and Sciences, Kent State University
- Member, Society for Neuroscience
- Member, American Psychological Society

Chronology of Academic and Professional Experience, 1995 to Present:

August 2000 to Present:	Visiting Assistant Professor, University of Akron
Fall Semester, 1999:	Adjunct Professor, University of Akron
Fall Semester, 1999:	Adjunct Professor, Hiram College

Academic and Professional Chronology (Continued):

1998-1999: Part-Time Instructor, Kent State University
1995-1998: Graduate Research and Teaching Assistant,
Kent State University

Related Training and Early Professional Experience

August 1990-June 1996: School Psychologist, Mahoning County Office of Education
Full Time (1990-1994) Responsible for all phases of individual child assessment, staff and parental consultation, program planning, and student counseling. Involved in coordination of special education placement decisions and individualized educational program preparation.
Part-Time (1994-1996)

August 1989-June 1990: Intern School Psychologist, Summit County Office of Education

University Teaching Experience

Basic Learning Processes (Animal Laboratory), Kent State University (Fall, 1996)

Laboratory sections designed to develop awareness of animal experimentation and basic research issues. Emphasis on experimental methodology, data collection & analysis, and research report writing.

Physiological Psychology, The University of Akron and Kent State University (Summer & Fall, 1998; Fall, 1999; Spring, 2001; Fall, 2001)

A survey of physiological principles underlying sensory, motor, and higher cognitive processing. Concepts developed from a fundamental level—building to more advanced issues in the electrical basis of nerve conduction, neurotransmission, integrated neural networks (e.g., basal ganglia) and human neuropathology (e.g., Alzheimer's disease).

Graduate Biopsychology, The University of Akron (Fall, 1999; Fall, 2000; Fall, 2001)

A master's-doctoral level course presented from an entirely clinical perspective—attempting to establish the foundations of central and peripheral nervous system anatomy and physiology, coupled with a review of sensory and motor systems. The latter portion of the course was devoted to clinical case studies illustrating principles of neuropathology, neuropsychological assessment, and approaches to treatment (e.g., surgical, pharmacological, behavioral).

Neuropsychiatric Disorders: Diagnosis and Treatment, The University of Akron (Spring, 2001)

An upper-level undergraduate course designed to introduce neuroanatomical and neurophysiological principles as a foundation for further investigation into the neural substrates of various neurological and psychological disorders. Clinical issues included Parkinson's disease, Alzheimers disease, Huntington's chorea, spongiform encephalopathies, central nervous

Neuropsychiatric Disorders (Continued):

system cancers (oncology), stroke, and other forms of neural trauma (e.g., open/closed head injury). Emphasis given to diagnostic issues (e.g., neuropsychological assessment, physiological indicators, neuro-imaging) and approaches to treatment/rehabilitation.

Psychopharmacology, The University of Akron (Summer, 2000)

A graduate level course reviewing fundamental principles of pharmacology, detailing drug pharmacodynamics and kinetics. Emphasis on psychoactive drugs, and therapeutic applications to a variety of clinical disorders (e.g., depression, anxiety, bipolar disorder, obsessive-compulsive disorder). Consideration also given to drugs of abuse (e.g., cocaine, heroin, amphetamines), mechanisms of addiction, and treatment options.

Psychology of Motivation, Kent State University (Fall, 1998; Spring, 2000)

An examination of various principles relating to human and animal motivation. This course entailed a broad survey of historical and more contemporary issues relating to motivational theory—including biological mechanisms, brain-behavior relationships, drug addiction, human pathology, and principles from cognitive & social psychology.

Experimental Psychology, The University of Akron (Summer, 2001)

An undergraduate course focusing on research design and methodology. Considerable emphasis given to fundamental and advanced issues in scientific investigation. Attention given to research methods ranging from survey and quasi-experimental studies to more complex factorial designs, combined with a presentation of historical and contemporary research issues. An additional laboratory section was designed to integrate concepts in data collection, statistical analysis, and theory development. Student research assignments and course projects resulted in the development of an APA-formatted manuscript.

Introduction to Psychology, Hiram College (Fall, 1999)

A fundamental introduction to concepts in Psychology, ranging from early foundations, learning theory, psychopathology, social & cognitive issues, and contemporary topics in psychology and related disciplines (e.g., health psychology, psychiatric treatment, genetics).

Writing Methods in Psychology, Kent State University (Fall, 1999; Fall, 2000)

A mini-course designed to develop fundamental approaches to literature searches and research paper writing. Students select a topic in the field of Psychology, on which they will write a review style paper (10-15 pages). Various drafts are required of students, with extensive feedback provided, ultimately finalized in to an acceptable manuscript according to current APA guidelines.

Developmental Psychology, The University of Akron (Fall, 2000)

An overview of human lifespan development, beginning with a survey of fundamental principles in genetics, pre-natal development and early post-natal life, followed by a chronological coverage of developmental issues ranging from early childhood through death and dying.

Research Activities

Recent Publications and Manuscripts Under Review/ In Preparation

Kaut, K.P. & Bunsey, M.D. (in press). The effects of lesions to the rat hippocampus or rhinal cortex on olfactory and spatial memory: Retrograde and anterograde findings. Journal of Cognitive, Affective and Behavioral Neuroscience.

Anticipated publication date: September, 2001

Kaut, K.P. (in preparation). Olfactory recognition memory spared, but water maze acquisition impaired following neurotoxic and radiofrequency lesions of the hippocampus. Submission to Journal of Cognitive, Affective and Behavioral Neuroscience.

Kaut, K.P. & Bunsey, M.D. (revise and re-submit). Long-term retention of simple olfactory information is spared following specific hippocampal lesions, but impaired following rhinal cortex lesions. Submission to Journal of Neuroscience.

Kaut, K.P., DePompei, R., Congeni, J. (in preparation). The incidence of concussion and related symptoms among incoming male and female collegiate athletes. In preparation for submission to Physican and Sports Medicine.

Allen, P., Kaut, K.P., Kopera-Frye, K., Bowie, T. & Lord, R.G. (in preparation). An emotional mediation theory of differential age effects in episodic and semantic memory. In preparation for submission to Psychology and Aging.

Published Abstracts and Conference Presentations

Blevins, D., Kaut, K.P., Kopera-Frye, K., & Werth, J. (2001). Adaptive cognitive functioning at the end-of-life. APA conference presentation.

Flint, R.W., Kaut, K.P. & Bunsey, M. (1997). The hippocampus and perirhinal-entorhinal cortices in simple olfactory task retention. Society for Neuroscience Abstracts, 3(2) 622.13.

Hanson, G., Bunsey, M. & Kaut, K. (1999). Comparison of retrograde amnesia following lesions of the fornix and perirhinal-entorhinal cortex. Midwestern Psychological Association Abstracts.

Harrod, S., Kaut, K., Riccio, D., & Bunsey, M. (1998). Different roles of hippocampus and hippocampal cortex in tests of one-trial aversive learning. Society for Neuroscience Abstracts, 24(2), 757.17.

- Kaut, K. & Bunsey, M. (1996). The role of the hippocampal system in the acquisition and retention of simple olfactory information. Midwestern Psychological Association Abstracts.
- Kaut, K., Bunsey, M. & Belviso, A. (1997). The role of the hippocampal system in memory consolidation: Evidence from temporally graded retrograde amnesia. Society for Neuroscience Abstracts, 232), 622.14
- Novak, C. & Kaut, K. (1999). The hippocampus, subiculum, and combined lesion effects on non-relational and relational processing tasks. Society for Neuroscience Abstracts, 25(2), 750.15.
- Stuesse, S., Stuesse, D., Kaut, K. & Cruce, W.L.R. (1994). Raphe nuclei in the brains of three cartilaginous fishes. Society for Neuroscience Abstracts, 20(2), 997.

Current Research Involvement

- HIV-AIDS** A project designed to identify the physical, social-emotional, and behavioral issues involved in persons designated as long-term survivors (non-progressors). This study attempts to characterize the various factors related to lifestyle, health status, and general mental status (i.e., cognitive and affective) as they impact the lives of these individuals.
- End-of-Life
Decision
Making** Through a research partnership with the Hospice Care Center of Akron, this project is designed to study issues relating to end-of-life planning and decision-making. Specific interests include pharmacological and other biomedical variables influencing end-of-life treatment and planning between medical personnel and the patient/family.