

CURRICULUM VITAE

MARY EILEEN CAIN, M.A.

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Department of Psychology
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Education

Ph.D. Candidate

University of Vermont
General/Experimental Psychology
Advisor: Bruce S. Kapp, Ph.D.

M.A. Psychology May, 1999

University of Vermont
Masters Thesis: Arousal-related associative response characteristics of dorsal lateral geniculate nucleus neurons during acoustic Pavlovian fear conditioning.
Advisor: Bruce S. Kapp, Ph.D.

B.S. Psychology May, 1994

Manhattan College, Riverdale, New York
cum laude

Teaching Experience

Instructor

General Psychology, University of Vermont
Department of Psychology
Fall 2000, Spring 2000, Summer 1999

Instructor

General Psychology, Community College of VT
Fall 2000

Instructor

Motivation, University of Vermont
Department of Psychology
Summer 2000, Fall 1999

Graduate Teaching Fellow

Biopsychology, University of Vermont
Department of Psychology
Spring 2000
Supervisor: Bruce S. Kapp, Ph.D.

Research Methods, University in Vermont
Department of Psychology
Fall 1998-Spring 1999
Supervisors: Lawrence R. Gordon, Ph.D., David
C. Howell, Ph.D., and William A. Falls, Ph.D.

General Psychology, University of Vermont
Department of Psychology
Fall 1996-Spring 1998
Supervisor: Justin M. Joffe, Ph.D.

Laboratory Instructor

Physiological Psychology, University of Vermont
Department of Psychology
Fall 2000, Fall 1999
Supervisor: Bruce S. Kapp, Ph.D.

Research Experience

Research Assistant

University of Vermont, Department of Psychology
Investigated the activity of dorsal lateral geniculate
nucleus neurons during novel arousal producing
stimuli, Pavlovian fear conditioning, and the
possible role of the central nucleus of the amygdala
in modulating the activity of dorsal lateral geniculate
nucleus neurons in the rabbit.
Summer 1999, 1998, 1997
Principle Investigator: Bruce S. Kapp, Ph.D.

University of Vermont, Department of Neurology
Examined neuronal NOS-IR after chronic spinal
cord injury in bladder afferent and spinal neurons in
the region of the sacral parasympathetic nucleus to
determine the plasticity of NOS-IR of rats.
Summer 1996
Principle Investigator: Margaret A. Vizzard, Ph.D.

University of Vermont, Department of Neurology
Responsible for designing and executing
experiments to determine the effects of nerve growth
factors on deinnervated skeletal muscle in the rat.
June 1995-May 1996
Principle Investigator: Rup Tandan, M.D.

Awards

University of Vermont, Graduate College	
Graduate Student Summer Research Grant	1998
Graduate Teaching Fellow of the Year Nominee	1998
Travel Mini-Grant	1997, 1999
University of Vermont, Department of Psychology	
Graduate Teaching Fellow of the Year	1998
Travel Award	1997, 1999
Manhattan College	
Broderick Memorial Medal in Psychology	1994
Pen and Sword Honor Society	1994
Epsilon Sigma Pi Honor Society	1994
Howard Hughes Undergraduate Research Grant	1993
Psi Chi Psychology Honor Society	1993
New York State Regents Scholarship	1990
Congressional Medal of Merit	1990
Dean's List	1990-1994

Affiliations

American Psychological Association	1996-present
Division Memberships	1997-present
Division 2 Member: Society for the Teaching of Psychology	
Division 6 Member: Behavioral Neuroscience and Comparative Psychology	
Society for Neuroscience	1995-present
New York Academy of Sciences	1997-2000
American Psychological Society	2000-present
Psi Chi	
Manhattan College Chapter	1993-present

Activities

Vermont Chapter Society for Neuroscience Student Representative	2000-present
University of Vermont, Department of Athletics	
Assistant Coach for the Men and Women's Swim Team	1997-1999
University of Vermont, Department of Psychology	
Behavioral Neuroscience Search Committee	1999-2000
Computer Committee	1998-present
Undergraduate Committee	1998-1999
Local Community	
Hotline Volunteer for Women's Rape Crisis Center	1996-1998

Publications

Cain, M.E., Kapp, B.S., & Puryear, C.B. (2000). Arousal-related associative response characteristics of dorsal lateral geniculate nucleus neurons during acoustic Pavlovian fear conditioning. Behavioral Neuroscience, 114(2), 241-253.

Kapp, B.S. & Cain, M.E. (in press). The neural basis of arousal. In International Encyclopedia of the Social and Behavioral Sciences. R.F. Thompson and J.L. McClelland (Series Ed.) & N.J. Smelser & P.B. Bates (Volume Ed.). New York: Elsevier Science.

Invited Presentations

Psychology Challenges Bias Behavior Week. University of Vermont, Spring 2000. The Drug War: A Case of Discrimination.

Gettysburg College, Fall 1999. The Biological Basis of Memory.

Abstracts and Presentations

Cain, M.E., Kapp, B.S., & Puryear, C.B. (2000). The effects of electrical stimulation of the amygdaloid central nucleus (ACe) on dorsal lateral geniculate nucleus (dLGN) neurons in the awake rabbit. Society for Neuroscience Abstracts, 26, 1256.

Cain, M.E., Kapp, B.S., & Puryear, C.B. (1999). Associative response characteristics of dorsal lateral geniculate neurons (dLGN) during acoustic Pavlovian fear conditioning. Society for Neuroscience Abstracts, 25, 873.

Cain, M.E., Kapp, B.S., Silvestri, A.J., & Guarraci, F.A. (1997). The effects of arousal-enhancing acoustic stimuli on the activity of neurons within the dorsal lateral geniculate nucleus of the awake rabbit. Society for Neuroscience Abstracts, 23, 1839.

Kapp, B.S., Silvestri, A.J., Guarraci, F.A., Moynihan, J.E., & Cain, M.E. (1997). Associative and EEG arousal-related characteristics of amygdaloid central nucleus neurons in the rabbit. Society for Neuroscience Abstracts, 23, 787.

Cain, M.E. & Aroyewun, O. (1993). Tacrine supplementation on lead-induced cognitive deficits in the rat. The Fifth Greater New York Conference on Social Research.