

CURRICULUM VITAE

CYNTHIA ANNE BRANDENBURG

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EDUCATION

- 1993 - 1999 Ph.D in Anatomy & Neurobiology
University of Vermont, Burlington, Vermont
Dissertation Title: The Regulated Expression of Rat
Sympathetic Neuron Pituitary Adenylate Cyclase-
Activating Polypeptide
- 1984 - 1988 BA in Psychology (major) and Film Studies (minor)
Dartmouth College, Hanover, New Hampshire

PROFESSIONAL EXPERIENCE

- August 2007-present Assistant Professor, Core Division
Champlain College, Burlington, Vermont
- November 2006 – July 2007 Interim Math & Science Program Coordinator
Champlain College, Burlington, Vermont
Responsibilities include teaching, scheduling math and
science courses, hiring faculty as needed, tracking budgets
and supplies, and managing specific student and faculty
issues as needed.
- Fall 2004 – October 2006 Adjunct Faculty
Summer 1999 - Fall 2000 Champlain College, Burlington, Vermont
Courses taught include: Human Biology, Biology of
Nutrition & Fitness, Anatomy & Physiology,
and First Year Seminar.
- Summer 2005 Document Rater for the College Board Validity Study,
Center for Public Policy Research, University of Oregon
- Fall 1999 Special Instructor
UVM Undergraduate Neuroanatomy

- 1996 - 1999 Doctoral Candidate, Anatomy & Neurobiology, University of Vermont; general interests include the molecular basis, expression and concerted interactions of neurotransmitters, bioactive peptides and receptors in neuronal development, plasticity and target cell function.
- 1993 - 1998 Graduate Teaching Fellow, University of Vermont; served as a Teaching Assistant for courses including Medical Neuroscience, Medical Human Gross Anatomy, Allied Health Gross Anatomy, and Undergraduate Neuroanatomy
- 1994 - 1995 Tutor for University of Vermont Medical Gross Anatomy and Medical Microanatomy (Histology)
- 1992 - 1993 Laboratory Technician, Dept. of Anatomy & Neurobiology University of Vermont

HONORS AND AWARDS

Member of Phi Beta Kappa Honor Society

First Place Winner, Senior Division, University of Vermont College of Medicine Graduate and Medical Student Research Forum (1997)

First Place Winner, Senior Division, University of Vermont College of Medicine Graduate and Medical Student Research Forum (1996)

Honorable Mention, National Science Foundation's Graduate Research Fellowship Program (1993)

Graduated Dartmouth College Summa Cum Laude

Recipient of the Alexander Laing Memorial Screenwriting Award, Dartmouth College (1988)

Recipient of the Dartmouth German Book Award (1987)

1986-1987 Rufus Choate Scholar, Dartmouth College

PROFESSIONAL SERVICE

Member of the University of Vermont and Fletcher Allen Health Care Committee on Human Research in the Medical Sciences Institutional Review Board (July 2006 - present)

Member of the Vermont Children's Hospital Community Advisory Council (2004 - present)

COMMUNITY SERVICE

Jericho Elementary School's Cookin' Kids Volunteer and Newsletter Author (2005-present)

Environmental Learning for the Future Volunteer, Jericho Elementary School (2003 - present)

Exhibit Interpreter for ECHO at the Leahy Center for Lake Champlain (2003 - 2005)

UNIVERSITY SERVICE

Dean's Subcommittee on General Facilities, University of Vermont Medical School Institutional Self-Study for Accreditation by the Liaison Committee on Medical Education (1996)

Provost's Committee to Review the Dean of Arts and Sciences, University of Vermont (1995)

PUBLICATIONS

Harakall, S.H., C.A. Brandenburg, G.A. Gilmartin, V. May, and K.M. Braas (1998) Induction of Multiple Pituitary Adenylate Cyclase Activating Polypeptide (PACAP) Transcripts Through Alternative Cleavage and Polyadenylation of ProPACAP Precursor mRNA. *Annals of the New York Academy of Sciences* **865**: 367-374

Brandenburg, C.A., V. May and K.M. Braas (1997) Identification of Endogenous Sympathetic Neuron Pituitary Adenylate Cyclase Activating Polypeptide (PACAP): Depolarization Regulates Production and Secretion through Induction of Multiple Propeptide Transcripts. *Journal of Neuroscience* **17**: 4045-4055

May, V., C.A. Brandenburg and K.M. Braas (1995) Differential Regulation of Sympathetic Neuron Neuropeptide Y and Catecholamine Content and Secretion. *Journal of Neuroscience* **15**: 4580-4591

Braas, K.M., C.A. Brandenburg and V. May (1994) Pituitary Adenylate Cyclase Activating Polypeptide (PACAP) Regulation of AtT-20/D16v Corticotrope Cell Pro-opiomelanocortin Expression and Secretion. *Endocrinology* **134**: 186-195

ABSTRACTS

Brandenburg, C.A., S.A. Harakall, V. May and K.M. Braas (1997) Novel Forms of Pituitary Adenylate Cyclase Activating Polypeptide (PACAP) mRNA Are Generated By Alternative Polyadenylation. *Soc. Neurosci. Abstr.* **23**: 2317

Brandenburg, C.A., V. May and K.M. Braas (1996) Induction of a Novel Pituitary Adenylate Cyclase Activating Polypeptide (PACAP) Precursor Messenger RNA in Rat Superior Cervical Ganglion Neurons. *Soc. Neurosci. Abstr.* **22**: 1764

May, V., C.A. Brandenburg and K.M. Braas (1996) Axotomy and Decentralization Regulate Pituitary Adenylate Cyclase Activating Polypeptide (PACAP) Expression in Rat Superior Cervical Ganglion. *Soc. Neurosci. Abstr.* **22**: 1998

Brandenburg, C.A., K.M. Braas and V. May (1995) Expression, Secretion and Plasticity of Endogenous Pituitary Adenylate Cyclase Activating Polypeptides (PACAP) in Rat Superior Cervical Ganglion. *Soc. Neurosci. Abstr.* **21**: 1598

May, V., C.A. Brandenburg and K.M. Braas (1994) Differential Regulation of Superior Cervical Ganglion Neuron Neurotransmitter Levels and Secretion. *Soc. Neurosci. Abstr.* **20**: 916

May, V., C.A. Brandenburg and K.M. Braas (1993) Pituitary Adenylate Cyclase Activating Polypeptides Stimulate Superior Cervical Ganglion Neuropeptide Y and Catecholamine Expression and Secretion. *Soc. Neurosci. Abstr.* **19**: 1367

Braas, K.M., L.M. Konopka, C.A. Brandenburg and V. May (1992) Pituitary Adenylate Cyclase Activating Polypeptide (PACAP) Regulation of AtT-20/D16v Corticotrope Cell Function. *Soc. Neurosci. Abstr.* **18**: 1184