

CURRICULUM VITA

JULIE ANNA DUMAS

Department of Psychiatry
University of Vermont
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EDUCATION

University of North Carolina, Chapel Hill, NC. (1996 - 2002)
Ph.D. in Cognitive Psychology, May 2002
Minor in the Neurobiology Curriculum

University of North Carolina, Chapel Hill, NC. (1999)
M.A. in Cognitive Psychology

University of Virginia, Charlottesville, VA. (1992 - 1996)
B.A. in Psychology and Biology with High Distinction.

CURRENT POSITION

Associate Professor, Research Track, Clinical Neuroscience Research Unit, Department of Psychiatry, University of Vermont College of Medicine, July 2012 – present.

Associate Director, Clinical Neuroscience Research Unit, Department of Psychiatry, University of Vermont College of Medicine, October 2012 – present

PROFESSIONAL EXPERIENCE

Assistant Professor, Research Track, Clinical Neuroscience Research Unit, Department of Psychiatry, University of Vermont College of Medicine, August 2006 – June 2012.

Post-Doctoral Fellow, Clinical Neuroscience Research Unit, Department of Psychiatry, University of Vermont, October 2003 – July 2006.

Research Scholar, Department of Psychology, Middlebury College, Spring 2003-Winter 2004.

RESEARCH TRAINING AND SUPPORT

Title: Dietary Saturated and Monounsaturated Fatty Acids and Cognition
Armin Grams, Ph.D. Memorial Research Award
Sponsor: University of Vermont Center on Aging
Dates: 2014-2016
Role: Co-Principal Investigator
TDC: \$50,000

Title: Advanced Research Institute in Geriatric Psychiatry
Sponsor: Weil Cornell Medical College and the National Institute of Mental Health
Dates: 2011, 2012
Role: Participant in program for mentoring young investigators in the field of geriatric psychiatry.

Title: Hormone and Neurotransmitter Interactions in Cognitive Aging
Sponsor: National Institutes of Health/National Institute on Aging
Grant Number: K01 AG030380
Dates: September 2008 - August 2013
Role: Principal Investigator
TDC: \$85,000 per year

Title: Hormone and Neurotransmitter Interactions in Cognitive Aging
Sponsor: National Institutes of Health/National Institute on Aging
Grant Number: K01 AG030380 – 02S1
Dates: September 2009 - August 2010
Role: Principal Investigator
TDC: \$50,000

Title: Cognitive and Emotional Alterations in Geriatric Depression: A Brain fMRI Study
Sponsor: NARSAD Young Investigator Award

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Grant Number: R01 DA008076
Dates: March 1, 2009 - Feb 28, 2012

Role: Co-Investigator
TDC: \$250,000 per year

Title: A Brain fMRI Study of Cholinergic Blockade in Normal Post-Menopausal Women.

Sponsor: Fletcher Allen Health Care Trustees Research Fund

Dates: 2003-2005

Principal Investigator: Paul Newhouse, M.D.

Role: Co-Investigator

TDC: \$100,000

Title: Double-Blind, Randomized, Placebo-Controlled, Safety and Scopolamine-Reversal Study of LY593093 in Healthy Volunteers

Sponsor: Lilly

Dates: 2004-2005

Principle Investigator: Paul Newhouse, M.D.

Role: Co-Investigator

TDC: \$120,000

PUBLICATIONS – Peer Reviewed (* indicates UVM student author)

Peng, S.-L., Dumas, J.A., Park, D.C., Liu, P., Filbey, F.M., McAdams, C.J., Pinkham, A.E., Adinoff, B., Zhang, R., Lu, H. (2014). Age-related increase of resting metabolic rate in the human brain. *Neuroimage*, *96*:176-183..

Lomond, K.V., Henry, S.M., Jacobs, J.V., Hitt, J.R., Horak, F.B., Cohen, R.G., Schwartz, D., Dumas, J.A., Naylor, M.R., Watts, R. and DeSarno, M.J. (2013). Protocol to assess the neurophysiology associated with multi-segmental postural coordination. *Physiological Measurement*, *34*, N97-N105.

Seminowicz, D.A., Shpaner, M., Keaser, M.L., Krauthamer, G.M.*, Mantegna, J., Dumas, J.A., Newhouse, P.A., Filippi, C., & Naylor, M.R. (2013). Cognitive behavioral therapy increases prefrontal cortex gray matter in patients with chronic pain. *Journal of Pain*, *14*(12):1573-1584.

Dumas, J.A., Makarewicz, J., Schaubhut, G.L.*, Devins, R., Albert, K.*, Dittus, K. & Newhouse, P.A. (2013). Chemotherapy Altered Brain Functional Connectivity in Women with Breast Cancer: A Pilot Study. *Brain Imaging and Behavior*, *7*(4): 524-532.

Newhouse, P.A., Albert, K.M.*, Astur, R., Johnson, J., Naylor, M.R., & Dumas, J.A. (2013). Tamoxifen Improves Cholinergically-Modulated Cognitive Performance in Postmenopausal Women. *Neuropsychopharmacology*, *38*(13):2632-2643.

Kien, C.L., Bunn, J.Y., Tompkins, C.L., Dumas, J.A., Crain, K.I., Ebenstein, D.B., Koves, T.R., & Muoio, D.M. (2013). Substituting dietary monounsaturated fat for saturated fat is

- associated with increased daily physical activity and resting energy expenditure and with changes in mood. *The American Journal of Clinical Nutrition*, 97, 689-697.
- Dumas, J.A., Kutz, A.M. *, McDonald, B.C., Naylor, M.R., Pfaff, A.C., Saykin, A.J., & Newhouse, P.A. (2013). Increased Working Memory-Related Brain Activity in Middle-Aged Women with Cognitive Complaints. *Neurobiology of Aging*, 34, 1145-1147.
- Cannizzaro, M.S., Dumas, J., Prelock, P., & Newhouse, P.A. (2012). Organizational Structure Reduces Processing Load in the Prefrontal Cortex During Discourse Processing of Written Text: Implications for High-Level Reading Issues After TBI. *Perspectives on Neurophysiology and Neurogenic Speech and Language Disorders*, 22(2), 67-78.
- Dumas, J.A., Kutz, A.M.*, Naylor, M.R., Johnson, J.V., & Newhouse, P.A. (2012). Estradiol altered anticholinergic brain activity during working memory in postmenopausal women. *Neuroimage*, 60, 1394-1403.
- Dumas, J.A., Albert, K.M.*, Naylor, M.R., Sites, C.K, Benkelfat, C., & Newhouse, P.A. (2012). The effects of age and estrogen on stress responsivity in older women. *American Journal of Geriatric Psychiatry*. 20(9):734-743
- Newhouse, P.A., Potter, A.S., Dumas, J.A., & Thiel, C.M. (2011). Functional brain imaging of nicotinic effects on higher cognitive processes. *Biochemical Pharmacology*, 82, 943-951.
- Dumas, J.A. & Newhouse, P.A. (2011). The cholinergic hypothesis of cognitive aging revisited again: Cholinergic functional compensation. *Pharmacology, Biochemistry and Behavior*. 99, 254-261.
- Dumas, J.A., Kutz, A.M.*, Naylor, M.R., Johnson, J.V., & Newhouse, P.A. (2010). Increased memory load-related frontal activation after estradiol treatment in postmenopausal women. *Hormones and Behavior*, 58, 929-935.
- Dumas, J.A., McDonald, B.C., Saykin, A.J., McAllister, T.W., West, J.D., Hynes, M.L., & Newhouse, P.A. (2010). Cholinergic modulation of hippocampal activity during episodic memory encoding in postmenopausal women: A pilot study. *Menopause*, 17(4), 852-859.
- Newhouse, P.A., Dumas, J.A., Wilkins, H.*, Coderre, E.*, Sites, C., Naylor, M.R., Benkelfat, C., & Young, S.N. (2010). Estrogen treatment impairs cognitive performance following psychosocial stress and monoamine depletion in postmenopausal women. *Menopause*, 17(4), 860-873.
- Coderre, E.*, Filippi, C., Newhouse, P., & Dumas, J.A. (2009). Ichi, Ni, 3, 4: Neural representation of kana, kanji, and Arabic numbers in native Japanese speakers. *Brain and Cognition*, 70, 289-296.

- Maki, P.M. & Dumas, J.A. (2009). Mechanisms of action of estrogen in the brain: Insights from human neuroimaging and psychopharmacological studies. *Seminars in Reproductive Medicine*, 27, 250-259.
- Dumas, J., Saykin, A., McAllister, T., McDonald, B., Hynes, M., & Newhouse, P. (2008). Nicotinic versus muscarinic blockade alters verbal working memory performance and brain activation patterns in older women. *American Journal of Geriatric Psychiatry*, 16, 272-282.
- Coderre, E.*, Filippi, C., Newhouse, P., & Dumas, J. (2008). The Stroop effect in kana and kanji scripts in native Japanese speakers: An fMRI study. *Brain and Language*, 107, 124-132.
- Dumas, J., Hancur-Bucci, C., Naylor, M., Sites, C., & Newhouse, P. (2008). Estrogen interacts with the cholinergic system to affect verbal memory in post-menopausal women: Evidence for the critical period hypothesis. *Hormones and Behavior*, 53, 159-169.
- Dumas, J. A. & Hartman, M. (2008). Adult age differences in the access and deletion functions of inhibition. *Aging, Neuropsychology, and Cognition*, 15: 330-357.
- Newhouse, P, Dumas, J., Hancur-Bucci, C., Naylor, M., Sites, C., Benkelfat, C., & Young, S. (2008). Estrogen administration negatively alters mood following monoaminergic depletion and psycho-social stress in post-menopausal women. *Neuropsychopharmacology*. 33, 1514-1527.
- Dumas, J., Hancur-Bucci, C., Naylor, M., Sites, C., & Newhouse, P. (2006). Estrogen treatment effects on anticholinergically-induced cognitive dysfunction in post-menopausal women. *Neuropsychopharmacology*, 31, 2056-2078.
- Dumas, J., Edgren, C., & Newhouse, P. (2006). Estrogen therapy after menopause: Role in normal cognition and Alzheimer's disease. *Aging Health*, 2, 955-966
- Dumas, J., Salerno, J., & Newhouse, P. (2006). The role of estrogen in the development of age-related cognitive impairment and dementia. *Psychiatric Times*.
- Dumas, J. & Hartman, M. (2003). Adult age differences in temporal and item memory.

Dumas, J.A. (2013). Lifetime Hormone Exposure and Cognition in Postmenopausal Women with Breast Cancer. *Menopause*, 20(9): 883-885.

PUBLICATIONS – Book Review

Dumas, J.A. (2008). Clearing up the confusion on estrogen in the brain? A first step. *Sex Role*, 60(5), 444-446.

INVITED LECTURES

Cognitive Issues Surrounding Breast Cancer Therapy, October 4, 2013, 16th Annual Breast Cancer Conference, sponsored by the Vermont Cancer Center, Burlington, VT. Co-panelist with Patricia O'Brien, M.D., Kim Dittus, M.D., & Owen Drudge, Ph.D.

Cognitive Issues Surrounding Breast Cancer Therapy, October 7, 2011, 14th Annual Breast Cancer Conference, sponsored by the Vermont Cancer Center, Burlington, VT. Co-panelist with Patricia O'Brien, M.D. and Kim Dittus, M.D.

Cholinergic Systems and Aging, September 2008, Dementia Conference sponsored by the University of Vermont College of Medicine, Burlington, VT

Nicotinic versus Muscarinic Blockade Alters Verbal Working Memory Performance and Brain Activation Patterns in Older Women. Paper presented at the Award Winner session for the Barry Lebowitz Early Career Scientist Award at the annual meeting of the American Association for Geriatric Psychiatry, Orlando, FL.

The Cholinergic Hypothesis of Cognitive Aging Revisited Again: Insights from Estrogen Studies in Older Women, January 2008, Psychiatry Grand Rounds, University of Vermont College of Medicine, Burlington, VT

Estrogen and Cognition in Postmenopausal Women, October 2007, Psychiatry Grand Rounds, Maine Medical Center, Portland, ME

Functional Imaging and Dementia: The State of the Art, September 2007, Dementia Conference sponsored by the University of Vermont College of Medicine, Stowe, VT

Normal Cognitive Aging and Mild Cognitive Impairment, September 2006, Dementia Conference sponsored by the University of Vermont College of Medicine, Burlington, VT

PRESENTATIONS (* indicates UVM student author)

Dumas, J.A., Makarewicz, J., Naylor, M.R., & Newhouse, P.A. (2013). COMT genotype interacted with dopaminergic stimulation to modulate working memory-related brain activation in

- postmenopausal women. Poster presented at the 44th Annual meeting of the Society for Neuroscience, San Diego, CA.
- Newhouse, P.A., Albert, K., Astur, R., Johnson, J.V., Naylor, M.R., & Dumas, J.A. (2013). Tamoxifen produces estrogen-like agonist effects on cholinergically mediated learning in postmenopausal women. Poster presented at the 44th Annual meeting of the Society for Neuroscience, San Diego, CA.
- Zurkovsky, L., Dumas, J.A., Woodward, N.D., & Newhouse, P. (2013). Cognitive complaints after menopause correlate with functional connectivity of the frontal cortex and medial temporal lobe. Poster presented at the 44th Annual meeting of the Society for Neuroscience, San Diego, CA.
- Dumas, J.A. (2013). Estrogen modulation of emotional processing in pre- and post menopausal women. Symposium presentation at the 68th Annual Convention, Society for Biological Psychiatry, San Francisco, CA.
- Zurkovsky, L., Dumas, J.A., Woodward, N.D., & Newhouse, P. (2013). Cognitive complaints after menopause correlate with functional connectivity of the medial temporal lobe. Poster presented at the 68th Annual Convention, Society for Biological Psychiatry, San Francisco, CA.
- Dumas, J.A. (2013). Cholinergic and dopaminergic contributions to normal cognitive aging. Symposium presentation at the Annual Meeting of the American Association for Geriatric Psychiatry, Los Angeles, CA.
- Dumas, J.A. (2013). Hormone and Neurotransmitter Interactions in the Brain: Effects on Cognition and Brain Activation in Postmenopausal Women. Paper presented at the 41st Annual Meeting of the International Neuropsychological Society, Waikoloa, HI.
- Dumas, J.A., Broadwell, C., Soung, J., Casson, P., Naylor, M.R., & Newhouse P.A. (2012). Prior hormone therapy use in postmenopausal women reduced working memory-related brain activation. Paper presented at the 43rd Annual meeting of the Society for Neuroscience, New Orleans, LA.
- Kamkwalala, A.R., Kellar, K., Aisen, P., White, H., Wesnes, K., Pfaff, A., Dumas, J.A., Howard, D., Levin, E., Newhouse, P., (2012). Nicotine Treatment of Mild Cognitive Impairment (MCI): Open Label Follow-Up of Double-Blind Phase. Poster presented at the 43rd Annual meeting of the Society for Neuroscience, New Orleans, LA.
- Shpaner, M., Seminowicz, D., Keaser, M., Mantangna, J., Dumas, J.A., Filippi, C. Lieberman, G., & Naylor, M.R. (2012). Anatomical and functional changes following cognitive behavioral therapy in patients with chronic musculoskeletal pain. Poster presented at the 43rd Annual meeting of the Society for Neuroscience, New Orleans, LA.

Newhouse, P.A., Kutz, A.*, Pfaff, A.*, McDonald, A., Saykin, A., West, J., Devins, R., Casson, P., Naylor, M.R., & Dumas, J.A. (2012). Estradiol treatment increases cortical gray matter in healthy postmenopausal women. Poster presented at the 67th Annual Convention,

Dumas, J.A., Kutz, A.M.*, Pfaff, A.C.*, & Newhouse, P.A. (2010). Estrogen Modulation of Frontal Lobe Circuitry During Verbal Working Memory in Older Women. Poster Presented at the 2010 Annual Meeting of the Cognitive Neuroscience Society, Montreal, QC, Canada.

Kutz, A.M.*, Broadwell, C., Wilkins, H.L.*, Pfaff, A.C.*, Newhouse, P.A., & Dumas, J.A. (2010). Estradiol Modulates Emotional Memory Encoding in Young Women. Poster Presented at the 2010 Annual Meeting of the Cognitive Neuroscience Society, Montreal, QC, Canada.

Broadwell, C.E., Wilkins, H.L.*, Kutz, A.M.*, Newhouse, P. A., Dumas, J.A. (2010). The Effects of Hormone Variation During the Menstrual Cycle on Emotional Memory. Poster presented and President's Presenters Award Winner at the Annual Meeting of the Society for Gynecologic Investigation. Orlando, FL.

Dumas, J.A. & Newhouse, P.A. (2009). Working Memory and Emotional Processing in Geriatric Depression: An fMRI Study. Poster Presented at the 40th Annual Meeting of the Society for Neuroscience, Chicago, IL.

Kutz, A.M.*, Newhouse, P.A., & Dumas, J.A. (2009). Age Difference in Memory for Emotional Information: The Effect of Encoding Instructions and Emotional Valence. Poster Presented at the 40th Annual Meeting of the Society for Neuroscience, Chicago, IL.

Naylor, M.R., Krauthamer, G.M., Dumas, J.A., Filippi, C.G., & Newhouse, P.A. (2009). fMRI Investigates Treatment Response to CBT in Patients with Chronic Pain. Poster Presented at the 40th Annual Meeting of the Society for Neuroscience, Chicago, IL.

Dumas, J.A., Kutz, A.M.*, Edgren, C.E., & Newhouse, P.A. (2009). Estrogen Modulation of Frontal Lobe Circuitry During Verbal Working Memory in Older Women. Poster Presented at the 2009 American Federation for Aging Research Grantee Conference, Santa Barbara, CA.

Dumas, J.A. (2009). Hormones, Neurotransmitters, and Cognitive Aging: A New Hypothesis. Paper presented at the 14J-17.pdf24715..1504 Tc.1551 T63(Paper)TTJnal Valenrenгон: he SocieTTJ

Dumas, J.A. (2009). Aging, Sex Steroids, and Circuits: Hormonal Effects on Brain Activity Associated with Cognitive and Emotional Processes. Paper presented at the annual meeting of the American Association for Geriatric Psychiatry, Honolulu, HI

Dumas, J. Saykin, A., McAllister, T., McDonald, B., Hynes, M., West, J., & Newhouse, P. (December, 2008). Cholinergic Modulation of Hippocampal Activity During Episodic Memory Encoding in Older Wome

- Dumas, J. Saykin, A., McAllister, T., McDonald, B., Hynes, M., West, J., & Newhouse, P. (May, 2007). Muscarinic and Nicotinic Cholinergic Modulation of Verbal Episodic Memory Encoding-Induced Activity in Older Women. Poster presented at the 62nd Annual Meeting of the Society for Biological Psychiatry, San Diego, CA
- Newhouse, P., Dumas, J., Naylor, M., & Johnson, J. (May, 2007) Hormonal Modulation of Cholinergic System-Related Cognitive Function after Menopause. Paper presented at the 62nd Annual Meeting of the Society for Biological Psychiatry, San Diego, CA
- Newhouse, P. Dumas, J., Naylor, M., Edgren, C., & Johnson, J. (May 2007). Estradiol Dose May Be Important in Determining Cognitive Performance in Older Women. Poster presented at the 62nd Annual Meeting of the Society for Biological Psychiatry, San Diego, CA.
- Coderre, E.L.*, Filippi, C., Newhouse, P., Dumas, J. (May 2007). A Brain fMRI Study of Language Processing in Native Japanese Speakers. Poster presented at the Annual Meeting of the Cognitive Neuroscience Society, New York, NY.
- Dumas, J. & Newhouse, P. (March, 2007). Hormones, the Cholinergic System, and Cognitive Aging: A New Hypothesis. Paper presented at the 20th Annual Meeting of the American Association for Geriatric Psychiatry, New Orleans, LA.
- Dumas, J. Saykin, A., McAllister, T., McDonald, B., Hynes, M., West, J., & Newhouse, P. (October, 2006). Muscarinic and Nicotinic Cholinergic Modulation of Verbal Episodic Memory Encoding-Induced Activity in Older Women. Poster presented at the 36th Annual Meeting of the Society for Neuroscience, Atlanta, GA.
- Newhouse, P., Dumas, J. Edgren, C. & Naylor, M. (October, 2006). Differential Estradiol Dose Effects on Cognitive Performance After Anticholinergic Challenge in Older Women. Poster presented at the 36th Annual Meeting of the Society for Neuroscience, Atlanta, GA.
- Dumas, J. Saykin, A., McAllister, T., McDonald, B., Hynes, M., Flashman, L., & Newhouse, P. (May, 2006). Muscarinic and Nicotinic Blockade Alters Verbal and Spatial Working Memory Performance and Brain Activation Patterns in Older Women. Poster presented at the 61st Annual Meeting of the Society of Biological Psychiatry, Toronto, ON.
- Dumas, J. Saykin, A., McAllister, T., McDonald, B., Hynes, M., Flashman, L., & Newhouse, P. (November, 2005). Muscarinic and Nicotinic Blockade Alters Working Memory Performance and Brain Activation Patterns in Older Women. Poster presented at the 35th Annual Meeting of the Society for Neuroscience, Washington, DC.
- Newhouse, P., Dumas, J., Naylor, M., Salerno, J., Hancur-Bucci, C., & Johnson, J. (November, 2005). Estrogen Agonist and Antagonist Effects on Anti-Cholinergic Induced Cognitive Dysfunction in Post-Menopausal Women. Poster presented at the 35th Annual Meeting of the Society for Neuroscience, Washington, DC.

Dumas, J, Saykin, A., McAllister, T., McDonald, B., Hynes, M., Flashman, L., & Newhouse, P. (November, 2005). Muscarinic and Nicotinic Blockade Alters Spatial Working Memory Performance and Brain Activation Patterns in Older Women. Poster presented at the 5th Annual Meeting of the International College of Geriatric Psychoneuropharmacology, Pittsburgh, PA.

Dumas, J.A. & Hartman, M. (November, 2005). A time-accuracy study of age differences in perception and working memory. Poster presented at the 46th Annual Meeting of the

Dumas, J. A. & Hartman, M. (April, 1998). Age differences in frontal lobe function: Evidence from the delayed-matching-to-sample task. Poster presented at the Cognitive Aging Conference, Atlanta, GA.

Willingham, D. B., & Dumas, J. A. (November, 1996). Retention of implicit learning across a one-year delay. Paper presented at the 37th Annual Meeting of the Psychonomic Society, Chicago, IL.

SERVICE – LOCAL UVM

University of Vermont Undergraduate Research Advisory Committee Fall 2010 – present
University of Vermont MRI Center for Biomedical Imaging Advisory Group – Summer 2007-present
University of Vermont College of Medicine Space Committee 2012 – present

SERVICE – NATIONAL

Co-leader of the Developing Your Research Career Breakfast Seminar for young investigators interested geriatric psychiatry at the annual meeting of the American Association of Geriatric Psychiatry 2011, 2012.

Research Committee member for the American Association for Geriatric Psychiatry 2007-present

SERVICE – PEER REVIEW

Grants and Awards

Alzheimer's Association Grant Reviewer 2008, 2009, 2010, 2011, 2012

American Association for Geriatric Psychiatry Annual Meeting Abstract Reviewer 2008, 2009, 2010, 2011

American Association for Geriatric Psychiatry Young Investigator Award Selection Committee 2009, 2010, 2011, 2012

***Ad Hoc* Reviewer for the Following Journals**

Aging Health, American Journal of Psychiatry, Biological Psychiatry, Brain Imaging and Behavior, Brain Research, Hormones and Behavior, International Journal of Geriatric Psychiatry, International Psychogeriatrics, Industrial Health, Journal of Experimental Psychology: Learning, Memory, and Cognition, Menopause, Neurobiology of Aging, Neurochemical Research, Neuroimage, Neuropsychologia, Neuropsychopharmacology, Neuroscience Letters, Psychological Science, Psycho-Oncology, Psychopharmacology, Sex Roles

TEACHING EXPERIENCE

Winter 2013: Neurobiology and Neuropsychology of Memory, Lecture to 3rd and 4th year Psychiatry Residents, Neuroscience course, University of Vermont College of Medicine

Winter 2012: Neurobiology and Neuropsychology of Memory, Lecture to 2nd and 4th year Psychiatry Residents, Neuroscience course, University of Vermont College of Medicine

Fall: 2010: Neurobiology and Neuropsychology of Memory, Lecture to 2nd year Psychiatry Residents, Neurobiology course, University of Vermont College of Medicine

Spring 2010: Neural Substrates of Aging and Cognition, Lecture to Neurology Residents and Neuroscience Graduate Students in the Basic Science of Neurological Diseases 2010 course on Alzheimer's Disease, University of Vermont College of Medicine

Fall: 2009: Neurobiology and Neuropsychology of Memory, Lecture to 2nd year Psychiatry Residents, Neurobiology course, University of Vermont College of Medicine

Fall 2008: Neurobiology and Neuropsychology of Memory, Lecture to 2nd year Psychiatry Residents, Neurobiology course, University of Vermont College of Medicine

Fall 2007: The Neurobiology and Neuropsychology of Memory, Lecture to 2nd year Psychiatry Residents, Neurobiology course, University of Vermont College of Medicine.

Fall 2006: The Neurobiology and Neuropsychology of Memory, Lecture to 2nd year Psychiatry Residents, Neurobiology course, University of Vermont College of Medicine.

Fall 2005: Amino Acid and Neuropeptide Neurotransmitters, Lecture to 2nd year Psychiatry Residents, Neurobiology course, University of Vermont College of Medicine.

Fall 2004: Amino Acid and Neuropeptide Neurotransmitters, Lecture to 2nd year Psychiatry Residents, Neurobiology course, University of Vermont College of Medicine.

Fall 2003: Amino Acid and Neuropeptide Neurotransmitters, Lecture to 2nd year Psychiatry Residents, Neurobiology course, University of Vermont College of Medicine.

Fall 2003: Biological Basis of the Mind, Instructor, Middlebury College

Winter 2003: Animal Cognition, Instructor, Middlebury College

Fall 2002: Adulthood and Aging, Instructor, Middlebury College

Spring 2001, 2000: Medical Neurobiology, Lab Teaching Assistant, University of North Carolina at Chapel Hill

Fall 1999 and Spring 2000: Introduction to Cognitive Psychology, Instructor, University of North Carolina at Chapel Hill

Fall 1998 and Spring 1999: Introduction to Cognitive Psychology, Teaching Assistant, University of North Carolina at Chapel Hill

Fall 1997 and Spring 1998: Introduction to Psychology, Teaching Assistant, University of North Carolina at Chapel Hill

MENTORING EXPERIENCE

Cecily Stokes-Prindle – Summer 2004: RUBY Grant Recipient, University of Vermont:

Ariel D. Bailey – 2011-2012 URECA! Award recipient, University of Vermont. “Subjective Cognitive Impairment in Episodic Memory: A Brain fMRI Study”.

Jennifer Trimble – 2013 Summer Research Student,