

Wayne E. Pratt

Date of Birth: October 2, 1972

Place of Birth: Rutland, Vermont

Work Address:

Wake Forest University
Department of Psychology
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Winston-Salem, NC 27106

ACADEMIC POSITIONS

Aug 2012- Associate Professor of Psychology
Wake Forest University

Aug 2006-2012 Assistant Professor of Psychology
Wake Forest University

EDUCATION

2002-2006 Postdoctoral Fellow
University of Wisconsin-Madison Medical School
Department of Psychiatry
Mentor: Ann E. Kelley

1997-2002 Doctor of Philosophy in Psychology
University of Utah
Psychology Department: Cognition and Neural Sciences Subdivision
Mentor: Sheri J. Y. Mizumori
Degree conferred August 2002

1994-1997 Masters of Science in Psychology
University of Utah
Psychology Department: Cognition and Neural Sciences Subdivision
Mentor: Sheri J. Y. Mizumori
Degree conferred August 1997

1990-1994 Bachelor of Arts in Psychology; Minor in Statistics
University of Vermont
Psychology Department
Degree conferred March 1994

AWARDS, HONORS, AND FUNDING HISTORY

November 2014	Faculty Inductee to the Wake Forest Chapter of Omicron Delta Kappa
February 2013	Recipient of a Wake Forest University Center for Molecular Communication and Signaling pilot grant entitled: "Utilizing immunohistochemistry to characterize the neuronal pathways activated by nucleus accumbens serotonin receptor stimulation", 3/1/2013 – 2/28/2015, \$10,000.
December 2012	Reynold's Leave granted for the 2013-2014 academic year Wake Forest College
February 2012	The Reid-Doyle Prize for Excellence in Teaching Wake Forest College
July 2011	Dunn-Riley Faculty Fellowship Wake Forest College
February 2011	Principle Investigator, NIDA Grant 1 R15 DA030618-01: "Meso-accumbens serotonergic involvement in appetitive and consummatory behaviors", 2/1/2011- 1/31/2015, \$314,128.
April 2010	Co-PI (along with Drs. Erik Johnson & Gloria Muday) on a Wake Forest University Translational Science Center Pilot Grant entitled: "AMP Kinase as a Central Mediator of Food Consumption and Energy Utilization", 3/1/2010 – 2/29/2012, \$75,000.
March 2008	Co-recipient (along with Drs. Allyn Howlett & Caroline Bass) of a Wake Forest University Cross-Campus Collaborative Research Fund Grant entitled: "Assessing the involvement of striatal and hypothalamic CB ₁ receptors on food intake and gene expression within the rat", 3/31/2008 – (extended) 2/29/2010, \$20,000.
January 2008	Recipient of a Wake Forest University Social, Behavioral, & Economic Science Research Fund Grant entitled "Assessing the role of nucleus accumbens shell serotonin 2c, 6, and 7 receptors in hunger- and palatability- induced food intake and motivation of the rat", 1/1/2008 – 12/31/2009, \$9,257.
July 2007	Recipient of Wake Forest University Creative and Research Activities Development and Enrichment Initiative (CRADLE) Fellowship.
August 2004	Recipient of Ruth L. Kirchstein National Research Service Award (NIMH) Postdoctoral Fellowship MH068981.
May 2000	Earl and Elies Skidmore Scholarship, U of Utah Psych. Dept.
Dec 1998- Feb 2002	Recipient of Individual National Research Service Award (NIH) Predoctoral Fellowship MH12303.
May 1999	Commendation for Service, Cognitive and Neural Science area, U of Utah Psych. Dept. Commendation for Research, Cognitive and Neural Science area, U of Utah Psych. Dept.

MEMBERSHIPS

2006- present	Western NC chapter of the Society for Neuroscience;
1995- present	Society for Neuroscience
2005; 2014	Society for the Study of Ingestive Behavior

ARTICLES AND BOOK CHAPTERS (*italics* denote undergraduate student authors; *italicized & underlined* denote WFU graduate student authors)

- Pratt, W. E., Clissold, K. A., Lin, P., Cain, A. E., Ciesinski, A. F, Hopkins, T. R., Ilesanmi, A. O., Kelly, E. A., Pierce-Messick, Z., Powell, D. S., & Rosner, I. A.** (in press). A systematic investigation of the differential roles for ventral tegmentum serotonin 1- and 2-type receptors on food intake in the rat. Brain Research, 1648(A), 54-68.
- Higgins, G. A, Silenieks, L. B., Altherr, E. B., MacMillan, C., Fletcher, P. J., & **Pratt, W. E.** (2016). Lorcaserin and CP-809101 reduce motor impulsivity and reinstatement of food seeking behavior in male rats: Implications for understanding the anti-obesity property of 5-HT_{2C} receptor agonists. Psychopharmacology, 233(14), 2841-56.
- Clissold, K. A. & **Pratt, W. E.** (2014). The effects of nucleus accumbens μ -opioid and adenosine 2A receptor stimulation and blockade on instrumental learning. Behavioural Brain Research, 274, 84-94.
- Lin, P. & **Pratt, W. E.** (2014). Inactivation of the nucleus accumbens core or medial shell attenuates reinstatement of sugar-seeking behavior following sugar priming or exposure to food-associated cues. PLoS One, 9(6): e99301 (doi: 10.1371/journal.pone.0099301).
- Perry, M. L., **Pratt, W. E.**, & Baldo, B. A. (2014). Correspondence between sites mediating scopolamine-induced anorexia and mu-opioid-mediated hyperphagia in rat striatum. Psychopharmacology, 231, 919-928.
- Pratt, W. E.** & Ford, R. T. (2013). Systemic treatment with d-fenfluramine, but not sibutramine, blocks cue-induced reinstatement of food-seeking behavior in the rat. Neuroscience Letters, 213, 232-37.
- Baldo, B. A., **Pratt, W. E.**, Will, M. J, Hanlon E. C., Bakshi, V.P., & Cador, M. (2013). Principles of motivation revealed by the diverse functions of neuropharmacological and neuroanatomical substrates underlying feeding behavior. Neuroscience and Biobehavioral Reviews, 37, 1985-98.
- Stice, E., Figlewicz, D. P., Gosnell, B.A., Levine, A.S., & **Pratt, W. E.** (2013). The contribution of brain reward circuits to the obesity epidemic. Neuroscience and Biobehavioral Reviews, 37, 2047-58.
- Clissold, K. A., Choi, E., & **Pratt, W. E.** (2013). Serotonin 1A, 1B, and 7 receptors of the rat medial nucleus accumbens differentially regulate feeding, water intake, and locomotor activity. Pharmacology Biochemistry and Behavior, 112, 96-103.
- Pratt, W. E.**, Choi, E, & Guy, E. G. (2012). An examination of the effects of subthalamic nucleus inhibition or μ -opioid receptor stimulation on food-directed motivation in the non-deprived rat. Behavioural Brain Research, 230(2), 365-73.
- Pratt, W. E.**, Schall, M. A., & Choi, E. (2012). Selective serotonin receptor stimulation of the medial nucleus accumbens differentially affects appetitive motivation for food on a progressive ratio schedule of reinforcement. Neuroscience Letters, 511(2), 84-88.
- Guy, E. G., Choi, E, & **Pratt, W. E.** (2011). Nucleus accumbens dopamine and mu-opioid receptors modulate the reinstatement of food-seeking behavior by food-associated cues. Behavioural Brain Research, 219(2), 265-72.
- Skelly, M.J., Guy, E. G., Howlett, A. C., & **Pratt, W. E.** (2010). CB1 receptors modulate the intake of a sweetened fat diet in response to mu-opioid receptor stimulation of the nucleus accumbens. Pharmacology Biochemistry and Behavior, 97, 144-151.
- Pratt, W. E.** & Connolly, M. E. (2010). Contrasting effects of systemic and central sibutramine administration on the intake of a palatable diet in the rat. Neuroscience Letters, 484, 30-34.

- Pratt, W. E., Blackstone, K., Connolly, M., & Skelly, M. J.** (2009). Selective serotonin receptor stimulation of the medial nucleus accumbens causes differential effects on food intake and locomotion. Behavioral Neuroscience, 123(5), 1046-57.
- Baldo, B.A., **Pratt, W. E.**, & Kelley, A. E.[†] (2009). Control of Fat Intake by Striatal Opioids. In J.-P. Montmayeur & J. Le-Coutre (Eds.), *Fat Detection: Taste, Texture, and Post-Ingestive Effects; Frontiers in Neuroscience Series*. Boca Raton, FL: CRC Press. († in memoriam)
- Pratt, W. E.**, & Blackstone, K. (2009). Nucleus accumbens acetylcholine and food intake: Decreased muscarinic tone reduces feeding but not food-seeking. Behavioural Brain Research, 198(1), 252-257.
- Pratt, W. E.**, Spencer, R.C., & Kelley, A. E. (2007). Muscarinic receptor antagonism of the nucleus accumbens core causes avoidance to flavor and spatial cues. Behavioral Neuroscience, 121(6), 1215-23.
- Will, M. J.*, **Pratt, W. E.***, & Kelley, A. E. (2006). Pharmacological characterization of high fat feeding induced by opioid stimulation of the ventral striatum. Physiology and Behavior, 89(2), 226-34.
(*denotes equivalent contributions)
- Pratt, W. E.**, & Kelley, A. E. (2005). Striatal muscarinic receptor antagonism reduces 24 hour food intake in association with decreased preproenkephalin gene expression. European Journal of Neuroscience, 22(12), 3229-3240.
- Kelley, A. E., Baldo, B. A., **Pratt, W. E.**, & Will, M. J. (2005) Corticostriatal-hypothalamic circuitry and food motivation: integration of energy, reward, and action. Physiology and Behavior, 86(5), 773-795.
- Kelley, A. E., Baldo, B. A., & **Pratt, W. E.** (2005). A proposed hypothalamic-thalamic-striatal axis for the integration of energy balance, arousal and food reward. Journal of Comparative Neurology, 493(1), 72-85.
- Pratt, W. E.**, & Kelley, A. E. (2004). Nucleus accumbens acetylcholine regulates appetitive learning and motivation for food via activation of muscarinic receptors. Behavioral Neuroscience, 118(4), 730-739.
- Kelley, A. E., Andrzejewski, M. E., Baldwin, A. E., Hernandez, P. J., & **Pratt, W. E.** (2003). Glutamate-mediated plasticity in corticostriatal networks: Role in adaptive motor learning. Annals of the New York Academy of the Sciences, 1003, 159-168.
- Mizumori, S. J. Y., **Pratt W. E.**, Cooper, B. G., & Guazzelli, A. (2002). The behavioral implementation of hippocampal processing. In P. E. Sharp (Ed), The Neural Basis of Navigation : Evidence from single cell recording. Kluwer Publishing.
- Pratt, W. E.**, & Mizumori, S. J. Y. (2001). Neurons in Rat Medial Prefrontal Cortex Show Anticipatory Rate Changes to Predictable Differential Rewards in a Spatial Memory Task. Behavioural Brain Research, 123, 165-183.
- Mizumori, S. J. Y, Cooper, B. G., Leutgeb, S., & **Pratt, W. E.** (2000). A neural systems analysis of adaptive navigation. Molecular Neurobiology, 21, 57-82.
- Mizumori, S. J. Y., **Pratt, W. E.**, & Ragozzino, K. E. (1999). Function of the nucleus accumbens within the context of the larger striatal system. Psychobiology, 27(2), 214-224.
- Pratt, W. E.**, & Mizumori, S. J. Y. (1998). Characteristics of basolateral amygdala neuronal firing on a spatial memory task involving differential reward. Behavioral Neuroscience, 112(3), 554-570.

OTHER SCHOLARLY PUBLICATIONS

Pratt, W. E. (2010). Wilcoxon Rank Sum Test. In N.J. Slakind (Ed.), *Encyclopedia of research design*. Thousand Oaks, CA: Sage

SCIENTIFIC CONFERENCE ABSTRACTS AND PROCEEDINGS

Altherr, E. B., Silenkieks, L. B., Higgins, G. A., Fletcher, P. J., & **Pratt, W. E.** (2015). Serotonin receptor 2C agonists lorcaserin and CP-809101 block cue-induced reinstatement of sugar-seeking behavior in rats. Society for Neuroscience Abstracts.

W. E. Pratt, Ilesanmi, A. O., Lin, P., Pierce-Messick, Z. J. (2015). Contrasting effects of 5-HT₃ receptor stimulation of the nucleus accumbens or ventral tegmentum on food intake in the rat. Society for Neuroscience Abstracts.

Pratt, W. E., Ciesinski, A.F., Ilesanmi, A. O., Pierce-Messick, Z. J., Powell, D. S., & Rosner, I. A. (2014). Selective stimulation of serotonin 1A, 1B, or 3 receptors of the ventral tegmentum inhibits food intake in the hungry rat. Society for Neuroscience Abstracts.

Pratt, W. E., Cain, A., Hopkins, T., Kelly E. A., Lin, P., & Clissold, K. A. (2013). Individual serotonin receptor subtypes in the ventral tegmental area differentially affect palatability-induced feeding and locomotor behavior in the rat. Society for Neuroscience Abstracts.

Lin, P. & **Pratt, W. E.** (2013). Inactivation of the nucleus accumbens core or medial shell attenuates reinstatement of sugar-seeking behavior following sugar priming or exposure to food-associated cues. Society for Neuroscience Abstracts.

Clissold, K. A., & **Pratt, W. E.** (2012). The effects of nucleus accumbens μ -opioid and adenosine 2A receptor activity on appetitive operant learning. Society for Neuroscience Abstracts.

Lin, P., Clissold, K. A., Lewis, C. P., Zhu, X., & **Pratt, W. E.** (2012). An examination of the effects of serotonin 2A, 2B, and 3 receptor activation of the nucleus accumbens on feeding behavior in the rat. Society for Neuroscience Abstracts.

Pratt, W. E. & Ford, R. T. (2012). Examining the role of fenfluramine and sibutramine treatment on cue-induced reinstatement of food-seeking behaviors in the rat. Society for Neuroscience Abstracts.

Pratt, W. E. (2012). Nucleus accumbens serotonin and food-directed motivation: Selective roles for specific receptors. *Invited talk given at the Midwestern Psychological Association Meeting, May 3rd, 2012.*

Clissold, K., Choi, E., & **Pratt, W. E.** (2011). A comparison of the effects of serotonin 1A, 1B, and 7 receptor activation in the nucleus accumbens on feeding behavior. Society for Neuroscience Abstracts.

Pratt, W. E., Schall, M. A., & Choi, E. (2011). Selective serotonin receptor stimulation of the medial nucleus accumbens alters appetitive motivation for sugar reinforcement within a progressive ratio task. Society for Neuroscience Abstracts.

Choi, E., Glenn, E. A., & **Pratt, W. E.** (2010). Examining the role for the subthalamic nucleus on motivation for palatable food. Society for Neuroscience Abstracts.

Connolly, M. E. & **Pratt, W. E.** (2010). Contrasting effects of systemic and intracranial sibutramine administration on the intake of a palatable diet in the rat. Society for Neuroscience Abstracts.

- Glenn, E. A., Choi, E., & Pratt, W. E. (2010). A comparison of the manipulations of dopaminergic, opioidergic and serotonergic systems within the nucleus accumbens on cue-evoked relapse to food-seeking. Society for Neuroscience Abstracts.
- Pratt, W. E., Connolly, M. E., Skelly, M.J., & Glenn E. A.** (2009). Serotonin receptors of the nucleus accumbens shell differentially affect palatability-induced feeding in the rat. Society for Neuroscience Abstracts.
Note: Also presented at Elsevier's Neural Mechanisms of Ingestive Behavior and Obesity conference.
- Skelly, M. J. & Pratt, W. E. (2009). An examination of whether cannabinoids and opioids interact in the rat nucleus accumbens shell to influence feeding on a palatable diet. Society for Neuroscience Abstracts
- Pratt, W. E., Connolly M. E., & Skelly, M. J.** (2009). Serotonin receptors of the nucleus accumbens shell differentially affect feeding in the rat. 2009 Winter Conference on Brain Research
- Pratt, W. E. & Blackstone, K.** (2008). Nucleus accumbens acetylcholine and food intake: Examining the role of the M2 receptor. Society for Neuroscience Abstracts.
- Blackstone, K., Skelly, M.J., Connolly, M. E., & Pratt, W. E. (2008). Selective serotonin receptor stimulation of the nucleus accumbens shell modulates hunger-driven food intake in the rat. Society for Neuroscience Abstracts.
- 2008 Winter Conference on Brain Research, Snowbird, UT. Coordinator of panel entitled: *Of Pain and Chocolate: Exploring the Opioid-Feeding Link Across the Neural Axis*
- 2007 Winter Conference on Brain Research, Snowmass, CO. Coordinator and speaker for panel entitled "A vocal minority: Interpreting the function of striatal cholinergic interneurons"
- Pratt, W. E., Spencer, R. C., & Kelley, A. E.** (2006) Nucleus accumbens muscarinic receptor antagonism causes an associable negative motivational state. Society for Neuroscience Abstracts.
- Invited panel speaker for the 2006 Winter Conference on Brain Research, Steamboat Springs, CO.
Panel entitled "Non-homeostatic control of ingestion: Eating without regard to the body's needs"
- Pratt, W. E. & Kelley, A. E.** (2005). Striatal muscarinic receptor blockade reduces 24-hr food intake and striatal preproenkephalin expression. Society for Neuroscience Abstracts.
- Pratt, W. E. & Kelley, A. E.** (2005). Twenty-four hour food intake is reduced following muscarinic receptor antagonism of the nucleus accumbens or anterior dorsal striatum. Society for the Study of Ingestive Behavior
- Pratt, W. E., & Kelley, A. E.** (2004). Short and long term food intake is reduced following muscarinic receptor antagonism of the nucleus accumbens. Society for Neuroscience Abstracts.
- Pratt, W. E.** (2004). A role for nucleus accumbens muscarinic acetylcholine receptors in mediating appetitive learning and motivation. Datablitz presentation given at the 2004 Winter Conference on the Neurobiology of Learning and Memory, Park City, UT.
- Pratt, W. E., & Kelley, A. E.** (2003). Effects of muscarinic and nicotinic receptor blockade of the nucleus accumbens on operant learning, locomotion, and sucrose consumption. Society for Neuroscience Abstracts.
- Pratt, W. E., & Mizumori, S. J. Y.** (2002). Effects of medial prefrontal cortex or ventral subiculum inactivation on medial ventral striatum neural firing during a spatial working memory task. Society for Neuroscience Abstracts.
- Pratt, W. E., & Mizumori, S. J. Y.** (2001). Individual neurons of medial ventral striatum reflect spatial memory task demands and reward. Society for Neuroscience Abstracts.

Pratt, W. E., & Mizumori, S. J. Y. (1999). Effects of environmental manipulations on place, reward, movement, and task phase specific coding within the ventral striatum. Society for Neuroscience Abstracts.

Pratt, W. E., & Mizumori, S. J. Y (1998). Medial prefrontal neuronal responses in rats performing a spatial maze task involving differential reward. Society for Neuroscience Abstracts, 24.

Pratt, W. E., & Mizumori, S. J. Y (1995). Basolateral amygdaloid neuron responses in rats performing a spatial maze task. Society for Neuroscience Abstracts, 21, 1929.

LOCAL INVITED TALKS AND COLLOQUIA

Pratt, W. E. (2014). Basic (but meaningful) science on the neural mechanisms of food motivation. Presented to representatives of Blue Cross/Blue Shield of N.C., as requested by the ORSP in commemoration of the \$3 million gift to Wake Forest College.

Pratt, W. E. (2011). Palatable Food and the Brain: Implications for Obesity. Nutrition Epidemiology Research and Applications (NERA) Journal Club (May 13, 2011)

Pratt, W. E. (2011). Appetite, palatable food, and the brain: Implications for obesity. North Carolina Dietetic Association Annual Meeting (April 17th, 2011)

Pratt, W. E. (2010). Brain regulation of need and desire: Implications for obesity. William R. Hazzard Translational Research in Aging Symposium (September 22nd, 2010).

Pratt, W. E. (2010). Teasing Apart the Neural Circuits that Drive Feeding and Promote Obesity. Translational Science Center Seminar (July 23, 2010).

Pratt, W. E. (2010). To Eat or Not to Eat (Scene II): Feeding beyond need. Biology Summer Series for Undergraduate Research Fellows on the Wake Forest Campus (July 21, 2010).

Pratt, W. E. (2010). Food intake regulation and the brain: Implications for obesity. Continuing Education Lecture for a local dietitian's group. Winston-Salem, N.C.

Pratt, W. E. (2009). The effects of obesity and aging on neural circuits that regulate food intake. Presented as part of the Conference on Aging, J. Paul Sticht Center on Aging, Wake Forest University.

Pratt, W. E. (2008). Why is there a Reward Pathway in the Brain? Feast and Famine for Food. Presented as part of a Summer Workshop for Middle School Faculty Development entitled: ADDICTION TO DRUGS: The Science behind the Issues. WFU and Forsyth County School System.

Pratt, W. E. (2007). Exploring the role of striatal acetylcholine at the interface of motivation and action. Wake Forest University Biology Seminar Series.

Pratt, W. E. (2007). Exploring the role of striatal acetylcholine at the interface of motivation and action. Wake Forest University Physiology & Pharmacology Department Seminar.

PUBLIC PRESS

Nov 2013 and occasionally since then. Represented on www.wfu.edu as “representative” faculty member. A similar graphic was developed for a “dirty dozen” brochure given out on admitted students day for Spring 2014.

RATIO OF STUDENTS TO FACULTY



Presentation at 2011 annual meeting of the Society for Neuroscience featured on a *Scientific American* Blog site:
<http://blogs.scientificamerican.com/scicurious-brain/2011/11/13/sfn-neuroblogging-serotonin-and-food-motivation/>

Quoted by Sarah Avery in “Frontiers of Fat”, a series by the *Raleigh News & Observer*, January 1, 2011.
The article was also run (in various forms) by: *The News & Observer*; *Charleston Gazette* (West Virginia); *The Hamilton Spectator* (Ontario, Canada); the *Wichita Eagle*; and the *Baton Rouge Advocate*.

PEER REVIEWER

AJP - Regulatory, Integrative and Comparative Physiology
Behavioural Brain Research
Behavioral Neuroscience
Behavior Research Methods
Biological Psychiatry
British Journal of Nutrition
Brain Research
Brain Structure & Function
Canadian Journal of Physiology and Pharmacology
European Journal of Neuroscience
Frontiers of Medicine
Future Neurology
Journal of Chemical Neuroanatomy
Journal of Visualized Experiments
Neuropharmacology
Neuroscience
Neuroscience Letters
Neurobiology of Learning and Memory
Neuropharmacology
Neuropsychopharmacology
Pharmacology, Biochemistry and Behavior
Physiological Research
Physiology and Behavior
PLOS ONE
Psychoneuroendocrinology

NATIONAL/REGIONAL SERVICE ACTIVITIES

August 2016	Ad-hoc reviewer for ZGM1 RCB-0 (SCORE) study section, National Institutes of Health
June 2016	Ad-hoc reviewer for ZRG1 F02a J-20 study section, National Institutes of Health
Fall 2015-18	APA Division 6; Awards committee (to be Chair in 2016-17)
November 2015	Ad-hoc reviewer for CEBRA study section, National Institute of Drug Abuse

October 2015	Ad-hoc reviewer for BRLE study section, National Institutes of Health
March 2015	Ad-hoc reviewer for CEBRA study section, National Institute of Drug Abuse
February 2015	Ad-hoc reviewer for BRLE study section, National Institutes of Health
December 2014	Ad-hoc reviewer for ZRG1 BBBP-Y (03) M special emphasis panel, National Institutes of Health
October 2014	Ad-hoc reviewer for a Science Foundation Ireland grant proposal
October 2014	Ad-hoc reviewer for BRLE study section, National Institutes of Health
February 2014	Ad-hoc reviewer for BRLE study section, National Institutes of Health
November 2013	Ad-hoc reviewer for BRLE study section, National Institutes of Health
March 2013	Ad-hoc reviewer for a British Research Council NC3R Grant Award Mechanism
February 2013	Ad-hoc reviewer for BRLE study section, National Institutes of Health
November 2012	Ad-hoc reviewer for ZRG1 F02a J-20 study section, National Institutes of Health
November 2011	Ad-hoc reviewer for B-START award mechanism, National Institute of Health
July 2011	Nominated for the National Institutes of Health Early Career Reviewer Program, run by the Center for Scientific Review (CSR).
June 2011- 2014	Faculty Councilor for the Western North Carolina Chapter of the Society for Neuroscience (WNCsFN)

UNIVERSITY SERVICE ACTIVITIES

July 2014- present	Co-director of the Undergraduate Research and Creative Activities (URECA) Center, Wake Forest University
July 2016- present	Member of the Animal Care and Use Committee, Wake Forest University
May 2010- June 2014	Executive Board Member of the Undergraduate Research and Creative Activities (URECA) Center, Summer Activities Coordinator, Wake Forest University
July 2010- July 2013	Member of the Animal Care and Use Committee, Wake Forest University
Ongoing since 2006	Wake Forest University Lower-Division Advisor 5 cohorts to date; 2006-8, 2007-9, 2009-10, 2011-13; 2014-16.

DEPARTMENTAL SERVICE ACTIVITIES

Fall 2014-present	Chair, Long Range Planning Committee
Fall 2014-present	Committee Member, Graduate Studies Committee
Fall 2011	Committee Member for Biology/Neuroscience lecturer faculty search.

Fall 2009	Committee Member for Self-Regulation: Cognitive/Affective faculty search.
2008- 2013	Chair's Advisory Committee
2007- 2013	Faculty Advisor to Psi Chi, the Undergraduate Honors Society for Psychology
2006- 2009, 2011-2013	Psychology Undergraduate Committee

TEACHING EXPERIENCE

2006- present Assistant & Associate Professor, Wake Forest University

Courses completed:

First Year Seminar (FYS 100) entitled:

“We can but should we? Ethics at the cutting edge of scientific research”

Taught Spring 2007, Spring 2009, Spring 2010, Fall 2014, Spring 2016

Biopsychology (Psych 243)

Taught Fall 2010, Spring 2011, Spring 2012, Fall 2012, Fall 2014

Research Methods in Psychology II (Psych 312)

Taught Spring 2008, Spring 2009, Spring 2010, Spring 2011, Spring 2012, Spring 2013, Spring 2015.

Learning Theory and Research (Psych 326)

Taught Fall 2006, Fall 2007, Spring 2008, Spring 2016

Physiological Psychology (Psych 320)

Taught Spring 2007, Fall 2007, Fall 2009, Fall 2010, Fall 2011, Fall 2012, Spring 2013, Spring 2015, Fall 2015, Spring 2016.

Regular contributor of “Motivation” segment to NEU200 (fall semester)

& Presenter/Facilitator of one NEU300 seminar/year (spring semester).

1997, 1998	Graduate Instructor, University of Utah Introduction to Physiological Psychology (2 classes)
1995- 1997	Teaching Assistant under Drs. Raymond Kesner, James Canfield, and Vincent Filoteo Introduction to Physiological Psychology (3 classes)
1996, 1997	Teaching Assistant Introduction to Research Methods (2 classes)

MASTER'S THESES MENTORED

Everett Altherr (2016).	“The behavioral and pharmacological effects of caffeine on the consumption and hedonic evaluation of sucrose solutions” - Everett is currently matriculated as a Ph.D. student at the University of Virginia.
Peagan Lin (2013).	“Dissociating Roles for the Nucleus Accumbens Core and Shell in Priming-, Cue-, and Stress-Induced Reinstatement of Food-Seeking Behavior”
Kara A. Clissold (2012).	“The effects of nucleus accumbens opiate and adenosine receptor activity on appetitive operant learning” - Kara is currently matriculated as a Ph.D. student at Duke University.

Elizabeth Glenn Guy (2010). “A comparison of the manipulations of dopaminergic, opiodergic or serotonergic systems within the nucleus accumbens on the cue-evoked relapse to food seeking”
- Liz has completed her Ph.D. at the University of Toronto and now works for Plexon®

Mary Jane Skelly (2009). “A systematic investigation of whether cannabinoids and opioids interact in the nucleus accumbens shell to differentially impact patterns on a palatable diet.”
- Mary Jane completed her Ph.D. at Wake Forest University and is now a post-doctoral fellow at Columbia University.

M.A. & Ph.D. COMMITTEES SERVED

Jason Braco (Ph.D. in Biology, ongoing).
Michael Rizzo (Ph.D. in Biology, ongoing)
Ashton Trawinski (Ph.D. in Biology, 2016 completion).
Jessica Martin (M.S. in Biology, 2016 completion).
Jared Hesse (M.A. in Psychology, 2015-2016)
Taylor Bolt (M.A. in Psychology, 2014-2015)
Stacey Robinson (Ph.D. in Neuroscience, chair, 2015 completion).
Mary Jane Skelly (Ph.D. in Neuroscience, chair, 2015 completion).
Chris Schaich (Ph.D. in Neuroscience, chair, 2014 completion).
Jordan Yorgason (Ph.D. in Neuroscience, 2013 completion).
Michael Crowe (M.A. in Psychology, 2012-2013).
Sam Mofort (M.A. in Psychology, 2011-2012).
Matthew Riddle (M.A. in Psychology, 2010-2011).
John Sesay (M.S. in Neuroscience, chair, 2011).
Amanda Bowen (M.A. in Psychology, 2009-2010)
Erik Oleson (Ph.D. in Physiology & Pharmacology, 2010 completion)
Holly Wegman (M.A. in Psychology, 2008-2009)
Kelly Beth Bowker, Darlene Archer (M.A. in Psychology, 2007-2008)
Mary Francis Tripplet, Heather Mostinger (M.A. in Psychology, 2006-2007).

HONOR'S THESES MENTORED

Sarah Blumenthal (current): “The Effects of Serotonergic Agonists on Opioid Induced Feeding”

Carolyn Murphy (2016): “The Effect of μ -opioid Manipulation on Food Motivation in Rats”
- Carolyn has been awarded a Fulbright Scholarship for 2016-17, and will be teaching English in Indonesia.
- Carolyn's thesis was supported by an Undergraduate Research Grant from Psi Chi.

Sean Gallagher (2015): “Effect of Centrally and Peripherally Active Cannabinoid (CB1) Receptor Blockers on Appetite and Feeding Motivation in Rats”
- Sean is currently working at NIH as an IRTA fellow and will be attending medical school in the fall of 2016.

Thomas Hopkins (2013): The Influence of Selectively Manipulating Ventral Tegmental 5-HT1B Receptors on Rats' Feeding Behavior
- Mr. Hopkins is currently matriculated at the Medical University of South Carolina on a College of Medicine Dean's Award (which waives tuition and fees).

- Ryan Ford (2012): Examining fenfluramine and sibutramine's role in cue-induced reinstatement of food-seeking behaviors in the rat
- Mr. Ford is matriculated in East Carolina University's Health Psychology Ph.D. program.
 - Ryan's thesis was supported by an Undergraduate Research Grant from Psi Chi.
- Megan Schall (2011). "The influence of the serotonin 6, 1/7, & 2C receptors of the nucleus accumbens on motivation to seek palatable food"
- Ms. Schall is currently matriculated into a Ph.D. program in School Psychology at the University of Tennessee.
- Eugene Choi (2010). "The subthalamic nucleus and its role in consummatory and appetitive motivation"
- Mr. Choi is currently matriculated in Wake Forest's University's School of Medicine
- Megan E. Connolly (2009). "The Effects of Sibutramine in the Nucleus Accumbens, Hypothalamus, or Prefrontal Cortex on Feeding Behavior in the Rat"
- Ms. Connolly is currently matriculated into the Clinical Psychology Ph.D. program at Northwestern University.
- Kaitlin Blackstone (2008). "The influence of the serotonin 2C, 6, 1 and 7 receptors of the nucleus accumbens on hunger-induced food intake in the rat."
- Ms. Blackstone is currently a Ph.D. candidate in the joint clinical neuropsychology doctoral program at the University of California San Diego and San Diego State University.

LOCAL, REGIONAL, AND NATIONAL STUDENT CONFERENCE PRESENTATIONS

- Ciesinski, A., Ilesanmi, A., Pierce-Messick, Z., Rosner, I., Ying, R., & Pratt, W. E.* (2015). *Selective stimulation of serotonin 1-type receptors of the ventral tegmentum dose-dependently affects food-motivated behaviors in the rat.* Presented at SYNAPSE, March 2015.
- Ilesanmi, A.O., Rosner, I.A., Pierce-Messick, Z.J., Ciesinski A.F., & Pratt W. E.* (2015). An examination of the role of serotonin 3 and 2-type receptors in the ventral tegmentum on food intake in the hungry rat. Presented at SYNAPSE, March 2015.
- Altherr, E. & Pratt, W. E.* (2015). Serotonin 2C receptor agonists block cue-induced reinstatement of sugar-seeking behavior in the rat. Presented at Wake Forest University's Graduate Student/Postdoc Research Day, March 2015.
- Ciesinski, A., Ilesanmi, A., Pierce-Messick, Z., Rosner, I., & Pratt, W. E.* (2014). An examination of the effects of stimulation or blockade of VTA serotonin 1A receptors on feeding in the food-deprived rat. Presented at the 2014 Undergraduate Research Day, Reynolda Campus.
- Gallagher, S., & Pratt, W. E.* (2014). Effect of Centrally and Peripherally Active CB-1 Receptor Blockers on Appetite and Food Motivation in Rats. Presented at the 2014 Undergraduate Research Day, Reynolda Campus.
- Pierce-Messick, Z. & Pratt, W. E.* (2014). The Ventral Tegmental Area 5-HT₃ Receptor and Food Consumption in Rats. Presented at the 2014 Undergraduate Research Day, Reynolda Campus.
- Ciesinski, A., Pierce-Messick, Z., & Pratt, W. E.* (2014). *An examination of the effects of stimulation or blockade of VTA serotonin 1A and 3 receptors on feeding in the food-deprived rat.* Presented at SYNAPSE 2014 March 29, 2014.

Cain, A., Clissold, K. A., & **Pratt, W. E.** (2012). *Brain circuitry involved in over-eating: The effects of stimulation and blockade of serotonin 1A receptor in the ventral tegmental area on activity and eating behavior in the rat.* Presented at the Fall 2012 Undergraduate Research Day, Reynolda Campus.
-also presented at State of North Carolina Undergraduate Research and Creativity Symposium, Nov. 2012.

Kelly, E. A., Clissold, K. A., & **Pratt, W. E.** (2012). *An analysis of the role of the 5-HT_{2C} receptor of the ventral tegmental area on feeding and locomotor behaviors in the rat.* Presented at the Fall 2012 Undergraduate Research Day, Reynolda Campus.

Clissold, K. A., Choi, E., & **Pratt, W. E.** (2011). *A comparison of the effects of serotonin 1A, 1B, and 7 receptor activation in the nucleus accumbens on feeding behavior.*
Winner of the Social Sciences Category for Wake Forest University's Graduate Student/Postdoc Research Day.

Ford, R., Clissold, K. A., & **Pratt, W. E.** (2011). *Examining the role of nucleus accumbens serotonin 2A and 2B receptors on food-seeking behavior in the rat.* Presented at the Fall 2011 Undergraduate Research Day, Reynolda Campus.

Glenn, E. A., Connolly, M. E., Skelly, M. J., & **Pratt, W. E.** (2010). *Examining the roles of different serotonin receptor subtypes in the modulation food intake: A role for the 5-HT₄ receptor.*
First Runner-Up in the Social Sciences Category for Wake Forest University's Graduate Student/Postdoc Research Day.

Choi, E. & **Pratt, W. E.** (2010). *Characterization of the effects of subthalamic nucleus inhibition or mu-opioid receptor stimulation on palatable feeding and progressive ratio performance in the rat.* Presented at SYNAPSE, March 2010.

Choi, E. & **Pratt, W. E.** (2009). *Examining the effects of pharmacological manipulations of the subthalamic nucleus on food intake in the rat.* Presented at the Fall 2009 Undergraduate Research Day, Reynolda Campus.

Connolly, M. E., & **Pratt, W. E.** (2009). *The effects of sibutramine in the nucleus accumbens, hypothalamus, or prefrontal cortex on feeding behavior in the rat.* Fourth Annual ACC Meeting of the Minds (Advancing Undergraduate Research Excellence), April 2-4, 2009.

Maslan Y.*, Howlett, A. C., **Pratt, W. E.**, Bass, C., & Polite C.B. (2008). *Manipulating The "Munchies": Cannabinoid Receptors and the Neurophysiology of Feeding.* The 24th Annual Medical Student Research Day; Wednesday, October 15, 2008; WFUBMC. (*a WFUBMC medical student).

Connolly M. E., & **Pratt, W. E.** (2008). *Serotonin receptors in the nucleus accumbens differentially affect feeding in the rat.* Presented at the Fall 2008 Undergraduate Research Day, Reynolda Campus.

Polite, C. B., Skelly, M. J., Howlett, A. C., and Pratt, W. E. (2008). *CB1 receptors in the nucleus accumbens: Effects of agonists and antagonists on palatable food intake in non-food restricted rats.* Presented by Constance B. Polite at:

A research symposium at WFUBMC for the Summer Research Opportunity Program 2008

At NIDDK's research symposium for STEP-UP students (a program meant to foster minority participation in research) 2008

At the Annual Biomedical Research Conference for Minority Students; Orlando FL; November 5-8th, 2008.

Blackstone, K. & **Pratt, W. E.** (2007). *Nucleus accumbens acetylcholine and food intake: Examining the role of the M2 autoreceptor.* Presented at the Fall 2007 Undergraduate Research Day, Reynolda Campus