

CURRICULUM VITAE

Todd H. Ahern, PhD

Associate Professor, Department of Psychology
 Associate Professor, Department of Medical Sciences, Frank H. Netter, MD, School of Medicine
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ACADEMIC EMPLOYMENT

Associate Professor	Department of Psychology, Quinnipiac University	2017-Present
Assistant Professor	Department of Psychology, Quinnipiac University	2011-2017
Teaching Fellow	Neuroscience and Behavioral Biology Program, Emory University	2009 Fall

EDUCATION

Postdoc	University of Massachusetts, Amherst, MA Neuroendocrine Studies <i>Advisor:</i> N. G. Forger, PhD	2010-2011
PhD	Emory University, Atlanta, GA Neuroscience Program <i>Advisor:</i> L. J. Young <i>Committee:</i> E. Walker, D. Weinshenker, K. Ressler, E. Binder <i>Dissertation:</i> Family life and its consequences: Insights from the monogamous prairie vole (<i>Microtus ochrogaster</i>)	2004-2010
BA	Oberlin College, Oberlin, OH Majors: Neuroscience, Biology	1998-2002

COURSES TAUGHT

Psychology of Self-Improvement: Perspectives (PS200)	Quinnipiac	2017 January
Physiological Psychology (PS252)	Quinnipiac	2017 Fall
Introduction to Psychology (PS101 - PsychNote Text)	Quinnipiac	2017 Fall
Physiological Psychology (PS252)	Quinnipiac	2017 Spring
Introduction to Psychology (PS101 - PsychNote Text)	Quinnipiac	2017 Spring
Introduction to Psychology (PS101 - PsychNote Text)	Quinnipiac	2016 Fall
Introduction to Psychology (PS101_DE) - <i>QU Online</i>	Quinnipiac	2016 Summer I and II
Physiological Psychology (PS252)	Quinnipiac	2016 Spring
Drugs, Brains, and Behavior (PS357 - Meyer Text + Prep)	Quinnipiac	2016 Spring
Physiological Psychology (PS252)	Quinnipiac	2015 Fall
Senior Seminar - Tutorial (PS409, Paulina Dudojc)	Quinnipiac	2015 Fall
Psychology Methods II - Tutorial (PS308, Serina Bsales)	Quinnipiac	2015 Fall
Psychology Methods I: Research Theory (PS307 - Morling Text)	Quinnipiac	2015 Spring
Physiological Psychology (PS252)	Quinnipiac	2015 Spring
Introduction to Psychology (PS101_DE) - <i>QU Online</i>	Quinnipiac	2015 Summer I and II
Physiological Psychology (PS252)	Quinnipiac	2014 Fall
Introduction to Psychology (PS101)	Quinnipiac	2014 Fall
Independent Study (PS299, Jessica Dascher)	Quinnipiac	2014 Fall
Independent Study (PS199, Serina Bsales)	Quinnipiac	2014 Fall
Introduction to Psychology (PS101_DE) - <i>QU Online</i>	Quinnipiac	2014 Summer I
Psychology Methods I: Research Theory (PS307 New)	Quinnipiac	2014 Spring
Psychology Methods I Lab: Writing APA-Style Papers (PS307L New)	Quinnipiac	2014 Spring

Physiological Psychology (PS252)	Quinnipiac	2013 Fall
Psychology Methods I: Research Theory (PS307 New)	Quinnipiac	2013 Spring
Psychology Methods I Lab: Writing APA-Style Papers (PS307L New)	Quinnipiac	2013 Spring
Independent Study (PS399, Kiriana Morse)	Quinnipiac	2013 Spring
Drugs, Brains, and Behavior (PS357)	Quinnipiac	2012 Fall
Introduction to Psychology (PS101)	Quinnipiac	2012 Fall
Independent Study (PS299, Stephen Miloro)	Quinnipiac	2012 Fall
Physiological Psychology (PS252)	Quinnipiac	2012 Spring
Brains and Behavior (PS351)	Quinnipiac	2012 Spring
Psychology Methods I: The Experimental Tradition (PS307)	Quinnipiac	2011 Fall
Psychology Methods I Lab: An Experimental Project (PS307L)	Quinnipiac	2011 Fall
Introduction to Psychology (PS101)	Quinnipiac	2011 Fall
Medical Models of Brain Disease (NBB307S)	Emory	2009 Fall
SIRE Undergraduate Program	Emory	2007-2008
Introduction to Neurobiology (NBB301, Teaching Assistant)	Emory	2005 Fall

MENTORING

Current:

Robert Beer II, Undergraduate	Ahern Lab, Quinnipiac	2017-Present
Steven Koproski, Undergraduate	Ahern Lab, Quinnipiac	2017-Present
Sara Olsen, Undergraduate	Ahern Lab, Quinnipiac	2016-Present
Ryan Tudino, Undergraduate	Ahern Lab, Quinnipiac	2016-Present

Previous:

Zachery Culver, Undergraduate	Ahern Lab, Quinnipiac	2015-2017
Emily Lucibella, Undergraduate	Ahern Lab, Quinnipiac	2015-2017
Greer Kosinski, Undergraduate	BNS Lab, Quinnipiac	2016-2016
Justin Mendonca, Undergraduate	Ahern Lab, Quinnipiac	2013-2016
Melissa Boucher, Undergraduate, QUIP-RS Fellow (2014)	Ahern Lab, Quinnipiac	2013-2015
Serina Bsales, Undergraduate	Ahern Lab, Quinnipiac	2014-2016
Matthew Sciolaro, Undergraduate	BNS Lab, Quinnipiac	2015-2016
Kenneth DiCienzo, Undergraduate	Ahern Lab, Quinnipiac	2013-2015
Adam Calderon, Undergraduate (Data Analysis)	HIV Community Project	2014-2015
Jessica Dascher, Undergraduate	Ahern Lab, Quinnipiac	2013-2015
Sarah Kurtz, Undergraduate	Ahern Lab, Quinnipiac	2013-2014
Shannon Reed, Undergraduate	Ahern Lab, Quinnipiac	2012-2014
Erin Ernst, Undergraduate	Ahern Lab, Quinnipiac	2012-2013
Samantha Bookbinder, Undergraduate	Ahern Lab, Quinnipiac	2012-2013
Katelynn Lucyk, Undergraduate, Independent Study	Ahern Lab, Quinnipiac	2012-2014
Kiriana Morse, Undergraduate	Ahern Lab, Quinnipiac	2011-2013
Victoria (Tori) Hegedus, Undergraduate, QUIP-RS Fellow	Ahern Lab, Quinnipiac	2011-2014
Stephen Miloro, Undergraduate, QUIP-RS Fellow	Ahern Lab, Quinnipiac	2011-2014
SriSavitha (Savitha) Kolla, Undergraduate	Ahern Lab, Quinnipiac	2011-2012
Emmett Fitzpatrick, Undergraduate	Forger Lab, UMass	2011-2013
Audrey V. Carr, Undergraduate	Forger Lab, UMass	2010-2012
Amanda Holley, Masters Student	Forger Lab, UMass	2010-2011
Andrew D. Kim, Undergraduate	Young Lab, Emory	2009-2010
Jeanine Kamphuis, University of Groningen Internship	Young Lab, Emory	2006-2007
Lauren Spiegel, ION Summer Fellow	Young Lab, Emory	2006 Summer
Amy Mahan, Graduate Rotation Student	Young Lab, Emory	2006 Summer
Nykia Burke, RISE Summer Fellow	Young Lab, Emory	2005 Summer

SERVICE & ADMINISTRATION

Current:

Professional: Co-Chair, NEURON Conference Steering Committee, Quinnipiac		2015-Present
University: Member, IACUC (Chair: Adrienne Betz), Quinnipiac		2013-Present
Department: Member, Behavioral Neuroscience Advisory Committee, Quinnipiac		2011-Present
Department: Member, Executive Committee (DEC), Quinnipiac		2011-Present

Previous:

University: Chair, Senate IT Committee, Quinnipiac	2016-2017
University: Elected CAS representative to the Senate IT Committee, Quinnipiac	2015-2017
CAS: Chair, CAS IT Committee, Quinnipiac	2014-2017
Department: Member, Psychology Major Graduate School Panel (Mike Sheehan, Chair), Quinnipiac	2011-2017
CAS: Interim Director, Behavioral Neuroscience Program, Quinnipiac	2015-2016
CAS: Co-Chair, Grants and Scholarship Committee, Quinnipiac	2015-2016
University: Advising Systems Faculty Liaison (Mark Thompson, Paul Locasto), Quinnipiac	2015-2016
Professional: Member, NEURON Conference Committee (Chair: Adrienne Betz), Quinnipiac	2012-2015
CAS: Career Development Hiring Committee (Chair: Diane Stock), Quinnipiac	2014-2015
Department: Member, Psychology Methods Sequence Working Group, Quinnipiac	2013-2015
CAS: Elected Member, Grants and Scholarship Committee (Chair: Cathy Solomon), Quinnipiac	2012-2015
Professional: Chair, Website Committee, Society for Behavioral Neuroendocrinology	2011-2015
University: Faculty Mentor for QUIP-RS Summer Student Research Program (Melissa Boucher)	2014
University: Member, Nominations Committee, Sigma Xi #299 (Chair: Neil Schultes), Quinnipiac	2014-2015
CAS: Member, Student Development Working Group (Chair: Valerie Smith), Quinnipiac	2013-2014
Department: Member, Engaged Psychology and 4-Credit Curriculum Working Group, Quinnipiac	2013-2014
CAS: Member, Faculty Inquiry Group (FIG; Chair: Luis Arata), Quinnipiac	2013-2014
University: Faculty Mentor for QUIP-RS Summer Student Research Program (Stephen Miloro)	2013
CAS: Elected Co-Chair, IT Committee, Quinnipiac	2013-2014
University: RRC Working Group (Stephen Wikel, Chair), Quinnipiac	2012-2014
University: Faculty Mentor for QUIP-RS Summer Student Research Program (Victoria Hegedus)	2012
CAS: Space and Time Working Group (Ronald Heiferman, Chair), Quinnipiac	2012-2013
Professional: Advisor, 12 th Annual Symposium for the Center for Neuroendocrine Studies, UMass	2011
Professional: Co-Chair, 11 th Annual Symposium for the Center for Neuroendocrine Studies, UMass	2010
Professional: Chair of the Organizing Committee, Vole Meeting, Emory	2008-2009
Program: Graduate Student Representative to the Executive Committee, Emory	2005-2007

RESEARCH INTERESTS

How early life social environment influences long-term social behavior – particularly family dynamics, sex differences, and sociality, and how they interact to produce behavioral variation. I use small rodents, such as monogamous prairie voles, to gain mechanistic insight.

PEER-REVIEWED PUBLICATIONS | * Denotes undergraduate student

1. Mosley M, Shah C, Morse KA*, Miloro SA*, Holmes MM, **Ahern TH**, Forger NG (2017). Patterns of cell death in the perinatal mouse forebrain. *The Journal of Comparative Neurology*, 525(1), 47–64. doi: 10.1002/cne.24041 [Link](#)
2. Bosch OJ, Dabrowska J, Modi ME, Johnson ZV, Keebaugh AC, Barrett CE, **Ahern TH**, Guo J, Ginevich V, Rainnie DG, Neumann ID, Young LJ. (2016) Oxytocin in the nucleus accumbens shell reverses CRFR2-evoked passive stress-coping after partner loss in monogamous male prairie voles. *Psychoneuroendocrinology*, Feb;64:66-78. doi: 10.1016/j.psyneuen.2015.11.011 [Link](#)
3. Shen EY, **Ahern TH**, Cheung I, Straubhaar J, Dincer A, Houston I, de Vries GJ, Akbarian S, Forger NG. (2014) Epigenetics and sex differences in the brain: A genome-wide comparison of histone-3 lysine-4 trimethylation (H3K4me3) in male and female mice. *Experimental Neurology*, 268:21-9. doi: 10.1016/j.expneurol.2014.08.006 [Link](#)
4. Anacker AMJ, **Ahern TH**, Hostetler CM, Dufour BD, Smith ML, Cocking DL, Li J, Young LJ, Loftis JM, Ryabinin AE. (2014) Drinking alcohol has sex-dependent effects on pair bond formation in prairie voles. *PNAS*, 111(16), 6052-7. doi: 10.1073/pnas.1320879111 [Link](#)
5. Barrett CE, Keebaugh AC, **Ahern TH**, Bass CE, Terwilliger EF, Young LJ. (2013) Subtle variation in vasopressin receptor (*Avpr1a*) expression within a species creates diversity in behaviors related to monogamy. *Hormones and Behavior* 63(3):518-26. doi:10.1016/j.yhbeh.2013.01.005 [Link](#)
6. **Ahern TH**, Krug S, Carr AV, Murray E, Fitzpatrick E, Bengston L, McCutcheon J, De Vries GJ, Forger NG. (2013) Cell death atlas of the postnatal mouse ventral forebrain and hypothalamus: effects of age and sex. *Journal of Comparative Neurology*, 521(11):2551-69.. doi:10.1002/cne.23298 [Link](#)
7. Anacker AM, **Ahern TH**, Young LJ, Ryabinin AE (2012) The role of early life experience and species differences in alcohol

intake in microtine rodents. *PLoS One*, 7(6):e39753 [Link](#)

8. Dabrowska J, Hazra R, **Ahern TH**, Guo JD, McDonald AJ, Mascagni F, Muller JF, Young LJ, Rainnie DG. (2011) Neuroanatomical evidence for reciprocal regulation of the corticotrophin-releasing factor and oxytocin systems in the hypothalamus and bed nucleus of the stria terminalis: Implications for balancing stress and affect. *Psychoneuroendocrinology*, 36(9), 1312-26. [Link](#)
9. **Ahern TH**, Hammock EAD, Young LJ. (2010) Parental division of labor, coordination, and the effects of family structure on parenting in monogamous prairie voles (*Microtus ochrogaster*). *Developmental Psychobiology*, 53(2), 118-31. [Link](#)
10. Makris N, Seidman LJ, **Ahern T**, Kennedy DN, Tsuang MT, Goldstein JM. (2010) White matter volume abnormalities and associations with symptomatology in schizophrenia. *Psychiatry Research*, 183(1), 21-9. [Link](#)
11. Blumstein DT, Ebensperger LA, Hayes LD, Vasquez RA, **Ahern TH**, Burger JR, Dolezal AG, Dosmann A, Gonzalez-Mariscal G, Harris BN, Herrera EA, Lacey EA, Mateo J, McGraw LA, Olazabal D, Ramenofsky M, Rubenstein DR, Sakhal SA, Saltzman W, Sainz-Borgo C, Soto-Gamboa M, Stewart ML, Wey TW, Wingfield JC, Young LJ. (2010) Toward an integrative understanding of social behavior: new models and new opportunities. *Frontiers in Behavioral Neuroscience*, 4, 34. [Link](#)
12. **Ahern TH**, Young LJ. (2009) The impact of early life family structure on adult social attachment, alloparental behavior, and the neuropeptide systems regulating affiliative behaviors in the monogamous prairie vole (*Microtus ochrogaster*). *Frontiers in Behavioral Neuroscience*, 3, 17. [Link](#)
13. **Ahern TH**, Burkett JP, Modi MM, Young LJ. (2009) Evaluation of two automated metrics for analyzing partner preference tests. *Journal of Neuroscience Methods*, 182(2), 180-8. [Link](#)
14. Bosch OJ, Nair HP, **Ahern TH**, Neumann ID, Young LJ. (2009) The CRF system mediates passive stress-coping behavior following the loss of a bonded partner in a monogamous rodent. *Neuropsychopharmacology* 34, 1404-1415. [Link](#)
15. Raju DV, **Ahern TH**, Shah DJ, Wright TM, Smith TM. (2008) Differential synaptic plasticity of the corticostriatal and thalamostriatal systems in MPTP-treated monkey model of parkinsonism. *European Journal of Neuroscience*, 27(7), 1647-58. [Link](#)
16. Goldstein JM, Seidman LJ, Makris N, **Ahern T**, O'brien LM, Caviness VS Jr, Kennedy DN, Faraone SV, Tsuang MT. (2006) Hypothalamic abnormalities in schizophrenia: sex effects and genetic vulnerability. *Biological Psychiatry*, 61(8), 935-45. [Link](#)
17. Mitchell HA, **Ahern TH**, Javors MA, Eagles DA, Martillotti J, Liles LC, Weinshenker D. (2006) The effects of norepinephrine transporter inactivation on locomotor activity in mice. *Biological Psychiatry*, 60(10), 1046-52. [Link](#)
18. **Ahern TH**, Javors MA, Eagles DA, Martillotti J, Mitchell HA, Liles LC, Weinshenker D. (2006) The effects of chronic norepinephrine transporter inactivation on seizure susceptibility in mice. *Neuropsychopharmacology*, 31(4), 730-8. [Link](#)
19. Goldstein JM, Jerram M, Poldrack R, **Ahern T**, Kennedy DN, Seidman LJ, Makris N. (2005) Hormonal cycle modulates arousal circuitry in women using functional magnetic resonance imaging. *Journal of Neuroscience*, 25(40), 9309-16. [Link](#)

TALKS

1. **Ahern TH**. (2017) *Animal Models - Family life and its consequences: What can we learn from prairie voles?* (Quinnipiac University, Guest Lecture in BIO375, Physiological Models for Human Disease. Dec 1; Host: Prof. Courtney McGinnis)
2. **Ahern TH**. (2017) *Family life and its consequences: What can we learn from prairie voles?* (Quinnipiac University, QU Faculty Research Presentations, Sept 8; Host: Prof. Dwayne Boucaud)
3. **Ahern TH**. (2016) *Family life and its consequences: What can we learn from prairie voles?* (Connecticut College, New London, CT, Oct 24; Host: Ruth Grahn) [Link](#)
4. **Ahern TH** and Schwartz JJ. (2016) *NEURON 2016 Workshop: Automated Behavioral Analysis* (NEURON 2016 Conference, Quinnipiac University, North Haven, CT, Feb 28)
5. **Ahern TH**. (2015) *Family life and its consequences: insights from the monogamous prairie vole (Microtus ochrogaster)*

(Connecticut Academy of Arts & Sciences, New Haven, CT, Oct 13)

6. **Ahern TH. (2014)** *Early family environment in prairie voles*. Smith College Invited Speaker Series: Mary Elizabeth Dickason King M.D. Annual Lecture Series in the Life Sciences in Memory of Professor Howard Parshley (Smith College, Northampton, MA, September 15, 2014).
7. Buckley D, Chicoine L, Magie C, Vieth M, **Ahern TH. (2013)** *Coupling laptops and iPads to promote interactivity with technology*. (Innovative Pedagogy & Course Redesign XII Conference, Collaborations for Empowerment & Learning, Fairfield University, Fairfield, CT, May 29-31).
8. **Ahern TH. (2012)** *Family life and its consequences: insights from the monogamous prairie vole (Microtus ochrogaster)* (Psi Chi Induction Keynote Talk, Quinnipiac University, Hamden, CT, April).
9. **Ahern TH. (2011)** *Impact of early family dynamics on later life social relationships* (US-Japan Social Neuroscience Workshop, Emory University, Atlanta, GA, October).
10. **Ahern TH. (2010)** *Family life and its consequences: insights from the monogamous prairie vole (Microtus ochrogaster)* (Hormones for Breakfast, Center for Neuroendocrine Studies, University of Massachusetts, Amherst, MA, September).
11. **Ahern TH. (2010)** *Family life and its consequences: insights from the monogamous prairie vole (Microtus ochrogaster)* (Emory University Neuroscience Program Recruitment Weekend, Frontiers in Neuroscience Seminar, Atlanta, GA, February).
12. **Ahern TH. (2009)** *Family life and its consequences: insights from the monogamous prairie vole (Microtus ochrogaster)* (NSF Conference on Intraspecific Variation and Social Systems, Santiago, Chile, September).
13. **Ahern TH. (2009)** *Evaluation of two automated systems for analyzing partner preference tests* (Vole Meeting, Atlanta, GA, February).

POSTER ABSTRACTS | * Denotes undergraduate student

1. Tudino R*, Olsen S*, **Ahern TH (2017)** Robust quantification of “social personality” for male and female prairie voles (*Microtus ochrogaster*) under three different social conditions (NEURON, Quinnipiac University, Hamden, CT, Feb 25)
2. **Ahern TH**, Lucibella E*, Tudino R*, Olsen S* (2017) Robust quantification of “social personality” for male and female prairie voles (*Microtus ochrogaster*) under three different social conditions (Neuroscience @Storrs, University of Connecticut, Storrs, CT, Nov 29)
3. **Ahern TH**, Lucibella E*, Tudino R*, Olsen S* (2017) Robust quantification of “social personality” for male and female prairie voles (*Microtus ochrogaster*) under three different social conditions (Society for Neuroscience, Washington, DC, Nov 11-15)
4. Betz AJ, Frye CA, McQuade D, **Ahern TH. (2017)** The 29th Northeast Under/Graduate Research Organization for Neuroscience (NEURON) Held at Quinnipiac University (Society for Neuroscience, Washington, DC, Nov 11-15)
5. **Ahern TH**, Lucibella E*, Tudino R*, Olsen S* (2017) Development of the Automated Analysis of Repeated, Long-Duration Reciprocal Interaction Tests for Prairie Voles (*Microtus Ochrogaster*) (NEURON 2017, Hamden, CT, Feb 22)
6. **Ahern TH**, Mosley M, Shah C, Morse KA*, Miloro SA*, Holmes MM, Forger NG (2017) Patterns of cell death in the hippocampus, nucleus accumbens, and other forebrain regions (NEURON 2017, Hamden, CT, Feb 22)
7. **Ahern TH**, Frye CA, McQuade D, Betz AJ. (2016) The 29th Northeast Under/Graduate Research Organization for Neuroscience (NEURON) Held at Quinnipiac University (Society for Neuroscience, San Diego, CA, Nov 12-16)
8. **Ahern TH**, Bsales S*, Boucher M*, Lucibella E*, Mendonca J*, Culver Z*, King L, Young LJ, Reed SC*, Morse KA*. (2016) Assessing how early social environment interacts with oxytocin receptor gene (*Oxtr*) variants to influence adult social behavior in prairie voles (NEURON Conference, Quinnipiac University, North Haven, CT, Feb 28)
9. **Ahern TH**, Boucher M*, Bsales S*. (2015) *Further optimizing the automated analysis of prairie vole social behavior for*

gene, brain, and behavior studies (Center for Neuroendocrine Studies Symposium, UMass Amherst, MA, Sept 26)

10. **Ahern TH**, Boucher M*, Dascher J*, Bsales S*, DiCienzo K*. (2015) *Optimizing the automated analysis of prairie vole social behavior for gene, brain, and behavior studies* (NEURON Conference, North Haven, CT, Feb 22)
11. **Ahern TH**, King LB, Young LJ, Morse K*, Reed S*, Lucyk K*, Hegedus V*. (2014) *Early social environment interacts with oxytocin receptor gene (Oxtr) variants to influence adult partner preference in monogamous prairie voles (Microtus ochrogaster)* (Society for Neuroscience, Washington, DC, Nov 15-19).
12. Mosley M, Shah C, **Ahern TH**, Forger NG. (2014). *Perinatal cell death in the mouse brain*. (Society for Neuroscience, Washington, DC, Nov 15-19). [Link](#)
13. McQuade DB, Walf AA, Frye CA, **Ahern TH**, Betz AJ. (2014). *Promoting excellence in undergraduate and graduate research presentations at NEURON, a regional Faculty for Undergraduate Neuroscience conference*. (Society for Neuroscience, Washington, DC, Nov 15-19). [Link](#)
14. Betz AJ, **Ahern TH**, Frye CA. (2014) *The 25th Northeast Under/Graduate Research Organization for Neuroscience (NEURON) held at Quinnipiac University*. (Society for Neuroscience, Washington, DC, Nov 15-19). [Link](#)
15. Boucher M*, **Ahern TH**. (2014). *Optimization of prairie vole social behavior*. (QUIP-RS Poster Session, Hamden, CT, October 30).
16. Lucyk K*, Reed SC*, Dascher J*, Hegedus V*, Kurtz S*, Boucher M*, DiCienzo K*, **Ahern TH**. (2014). *Assessing the consistency of scoring prairie vole family homecoming behavior using many independent human observers*. (24th NEURON Conference, Quinnipiac University, Hamden, CT, Feb 23).
17. **Ahern TH**, Morse KA*, Miloro SA*, Krug S, Forger NG. (2014) *Cell death and regional growth of male and female postnatal mouse forebrain cortex and the anterior hippocampus: Updated*. (24th NEURON Conference, Quinnipiac University, Hamden, CT, Feb 23).
18. Reed SC*, King L, Ernst EM*, Morse KA*, Young LJ, **Ahern TH**. (2014). *Early social environment interacts with oxytocin receptor gene (Oxtr) variants to influence adult social bonding in monogamous prairie voles (Microtus ochrogaster)* (24th NEURON Conference, Quinnipiac University, Hamden, CT, Feb 23).
19. **Ahern TH**, Morse KA*, Miloro SA*, Krug S, Forger NG. (2013) *Cell death and regional growth of male and female postnatal mouse forebrain cortex and the anterior hippocampus*. (Society for Neuroscience, San Diego, CA, Nov 9-13).
20. Betz AJ, **Ahern TH**, Frye C. (2013) *The 23rd northeast under/graduate research organization for neuroscience (NEURON) held at Quinnipiac University in Hamden, CT*. (Society for Neuroscience, San Diego, CA, Nov 9-13).
21. Miloro SA**, Morse KA*, Krug S, Forger NG, **Ahern TH** (2013) *Cell death atlas of the postnatal mouse forebrain cortex and basal forebrain: Effects of Age and Sex*. (Sigma Xi National Student Research Conference, RTP, North Carolina, Nov 8-9). ** Sigma Xi Chapter 299 Student Travel Award Winner.
22. Miloro SA*, **Ahern TH**. (2013). *Cell death atlas of the postnatal mouse forebrain cortex and basal forebrain: Effects of age and sex*. (QUIP-RS Poster Session, Hamden, CT, October 1).
23. **Ahern TH**, Morse KA, Miloro SA, Lu YL, Richardson HN, Krug S, Forger NG. (2013). *Cell death atlas of the postnatal mouse anterior hippocampus and forebrain cortex: Effects of age and sex*. (17th Annual Meeting of the Society for Behavioral Neuroendocrinology, Atlanta, GA, June 23-26).
24. Reed SC*, Ernst EM*, Morse KA*, **Ahern TH**. (2013). *Early social environment may interact with oxytocin receptor gene variants to influence adult social behavior in monogamous prairie voles* (Sigma Xi, Chapter 299, Poster Session, Quinnipiac University, Hamden, CT, April 16).
25. Morse KA*, Krug S, Forger NG, **Ahern TH**. (2013). *Cell death atlas of the postnatal mouse anterior hippocampus: Effects of age and sex*. (23rd Annual NEURON Conference, Quinnipiac University, Hamden, CT, April 7).
26. Miloro SA*, Krug S, Forger NG, **Ahern TH**. (2013). *Cell death atlas of the postnatal mouse forebrain cortex: Effects of age and sex*. (23rd Annual NEURON Conference, Quinnipiac University, Hamden, CT, April 7).

27. Lucyk KE*, Morse KA*, Hegedus VI*, **Ahern TH. (2013).** *Effects of alcohol and sex differences on partner preference behavior in prairie voles.* (23rd Annual NEURON Conference, Quinnipiac University, Hamden, CT, April 7).
28. Hegedus VI*, Morse KA*, **Ahern TH. (2012).** *The effects of voluntary alcohol consumption on long-term social bonding and family interactions in the monogamous prairie vole (Microtus ochrogaster).* (13th Annual Symposium of the Center for Neuroendocrine Studies, UMass, Amherst, MA, October 26).
29. **Ahern TH,** Carr AV*, Fitzpatrick E, McCutcheon, Bengston L, Murray EK, Krug S, Forger NG. (2012). *Cell death atlas of the ventral forebrain and hypothalamus in the postnatal mouse brain: effects of age and sex* (13th Annual Symposium of the Center for Neuroendocrine Studies, UMass, Amherst, MA, October 26).
30. Hegedus VI*, **Ahern TH. (2012)** *The effects of voluntary alcohol consumption on family interactions in the monogamous prairie vole (Microtus ochrogaster).* (QUIP-RS Poster Session, Hamden, CT, October 11).
31. **Ahern TH,** Carr AV*, Fitzpatrick E*, McCutcheon J, Bengston L, Murray EK, Krug S, Forger NG. (2012). *Cell death atlas of the postnatal mouse brain: effects of age and sex.* (Society for Behavioral Neuroendocrinology, Madison, WI, June 15-19).
32. **Ahern TH,** Holley A*, Murray EK, Carr AV*, Krug S, Forger NG. (2011). *Cell death atlas of the postnatal mouse brain: effects of age and sex.* (Society for Neuroscience, Washington, DC, November 12-17).
33. Forger NG, **Ahern TH,** Conner C, De Vries GJ, Straubhaar J, Akbarian S. (2011). *Genome-wide epigenetic profiling of H3K4me3 histone modifications in the BNST / MPOA of adult male and female mice.* (Society for Neuroscience, Washington, DC, November 12-17).
34. Anacker A, **Ahern TH,** Young LJ, Ryabinin A. (2011). *Alcohol self-administration inhibits the expression of partner preference in a sex-specific manner in prairie voles* (Society for Neuroscience, Washington, DC, November 12-17).
35. Carr AV*, **Ahern TH,** Krug S, Fitzpatrick E, Forger NG. (2011). *The effects of sex and ages on postnatal cell death in the mouse amygdala.* (21st Annual NEURON Conference, Quinnipiac University, Hamden, CT, November 6).
36. **Ahern TH,** Krug S, Carr AV*, Fitzpatrick E, Murray EK, Forger NG. (2011). *Cell death atlas of the postnatal mouse brain: effects of age and sex.* (12th Annual Symposium of the Center for Neuroendocrine Studies, UMass, Amherst, MA, October).
37. **Ahern TH,** Young LJ. (2010). *Parental division of labor, coordination, and the effects of family structure on parenting in monogamous prairie voles (Microtus ochrogaster).* (Behavioral Epigenetics Conference, Boston, MA, October 29-30).
38. **Ahern TH,** Young LJ. (2010). *Parental division of labor, coordination, and the effects of family structure on parenting in monogamous prairie voles (Microtus ochrogaster).* (Parental Brain Conference, Edinburgh, Scotland, September).
39. **Ahern TH,** Young LJ. (2009). *Early life family structure influences primiparous parenting behavior and hypothalamic oxytocin content.* (Society for Neuroscience, Chicago, IL, October).
40. **Ahern TH,** Young LJ. (2009). *Early life family structure influences emotionality, spontaneous parental behavior, and neuropeptide receptors in adult prairie vole.* (Vole Meeting, Atlanta, GA, February).
41. **Ahern TH,** Young LJ. (2008). *Early life family structure influences emotionality, spontaneous parental behavior, and neuropeptide receptors in adult prairie vole.* (Society for Neuroscience, Washington, DC, November).
42. **Ahern TH,** Young LJ. (2008). *Early life family structure influences emotionality and spontaneous parental behavior in adult prairie voles.* (International Behavioral Neuroscience Society, St. Thomas, Virgin Islands, June).
43. **Ahern TH,** Young LJ. (2008). *Early life family structure influences exploratory, anxiety, and social behavior in adult prairie voles.* (South East Nerve Net, Atlanta, GA, March).
44. **Ahern TH,** Young LJ. (2007). *CRF-R2 mRNA expression in the prairie vole brain: a species comparison at the neuroanatomic and genetic levels.* (Society for Neuroscience, San Diego, CA, November).
45. **Ahern TH,** Javors MA, Eagles DA, Martillotti J, Mitchell HA, Liles LC, Weinschenker D. (2005). *Norepinephrine reuptake inhibitors may be proconvulsant.* (Society for Neuroscience, Washington, DC, November).
46. Smith Y, Raju DV, **Ahern TH,** Verreault M. (2005). *Striatal and cortical projections of the dorsal and ventral tier thalamic relay nuclei in rat.* (Society for Neuroscience, Washington, DC, November).

47. Pare JF, Raju DV, **Ahern TH**, Smith Y. (2005). *Changes in subcellular distribution of vesicular glutamate transporter2 in the MPTP monkey model of Parkinson.* (Society for Neuroscience, Washington, DC, November).
48. Goldstein JM, Seidman LJ, Makris N, **Ahern TH**, O'Brien L, Caviness VS, Kennedy D, Faraone SV, Tsuang MT. (2005). *Hypothalamic abnormalities in schizophrenia: sex effects & genetic vulnerability.* (International Congress on Schizophrenia Research, April).

AWARDS

Quinnipiac University, CAS Grant-in-aid Award	2017-2018
Quinnipiac Scholars of Teaching & Learning, Teaching Grant (\$2000)	2016-2017
Quinnipiac University, Center for Excellence in Teaching Award, Nomination and Semi-Finalist	2016
Quinnipiac University, CAS Grant-in-aid Award	2016-2017
NARSAD Young Investigator Award, Brain & Behavior Foundation (\$70,000)	2016-2018
Quinnipiac University, Center for Excellence in Teaching Award, Nomination	2015
Quinnipiac University, CAS Grant-in-aid Award	2014-2015
Pi Beta Phi Faculty Recognition Award for Outstanding Professor	2013
Quinnipiac University, CAS Grant-in-aid Award	2013-2014
Quinnipiac University, CAS Grant-in-aid Award	2012-2013
NIH-funded Postdoctoral Fellowship of the Center for Neuroendocrine Studies: T32 MH020051	2010-2011
Dean's Teaching Fellowship (DTF), Emory University, Graduate School of Arts & Sciences	2009-2010
Scholarly Inquiry & Research at Emory (SIRE) Graduate Fellowship (<i>mentoring & teaching</i>)	2007-2008
Integrated Psychobiology & Psychopathology Predoctoral Fellowship: 5 T32 GM12453-03	2006-2009
National Science Foundation (NSF) Predoctoral Fellowship Honorable Mention	2006
Training in Systems and Integrative Biology - Neuroscience Fellowship: GM 08605, NIH	2005-2006
National Science Foundation (NSF) Predoctoral Fellowship Honorable Mention	2005
Training in Systems and Integrative Biology - Neuroscience Fellowship: GM 08605, NIH	2004-2005

PROFESSIONAL AFFILIATIONS

Society of Catholic Scientists	2016-Present
Psi Chi	2012-Present
Society for Behavioral Neuroendocrinology	2011-Present
Society for Neuroscience	2004-Present

PEER REVIEWER FOR JOURNALS

Biological Psychiatry
 Developmental Psychobiology
 Hormones and Behavior
 Journal of Mammalogy
 Journal of Neuroendocrinology
 Journal of Neuroscience
 Neuroscience Letters
 Psychoneuroendocrinology

MEDIA

Human Sexuality, 4e, Sinauer / Oxford University Press (Mark Siddall) - Photo Credit	09/08/2017
Faith and Science: Seeking One Truth (Columbia Magazine, Knights of Columbus) Link	06/01/2017
New Haven Register: Business Accolades for the Week of Dec 27th	12/27/2015
Hartford Courant: Todd Ahern \$70,000 Research Grant	11/16/2015
How Life Works, 2e, MacMillan Publishers (Richard Fox) - Photo Credit	03/20/2015
Annie Minoff, Producer at <i>Science Friday with Ira Flatow</i> , NPR - PNAS Article	2014
Rob Brooks, Writer at the <i>Conversation</i> - PNAS Article + Website Photo Credit: Prairie vole family	2014
James Cutmore, Immediate Media Co. - Photo Credit: Prairie vole family	2014
Sandy Cooke, Oxford University Press - Textbook Photo Credit: Prairie vole family	2013

Marion Briggs, National Science Foundation - Website Photo Credit: Prairie vole family	2013
Deborah Anderson, WH Freeman Co / Worth Publishers - Textbook Photo Credit: Prairie vole family	2012
Manabu Kimura, BK Nexent (Japanese TV) - TV Program Photo Credit: Prairie vole family	2012
Hidenori Yamasue, JAMA - Journal Article Photo Credit: Prairie vole family	2012
Bridget M. Kuehn, JAMA – Journal Article Photo Credit: Prairie vole family	2011
Jim Thornton, Men's Health: The Science of Heartbreak	01/28/2009

PUBLIC OUTREACH

Brain Awareness Visit (Regina Caeli Academy, Hartford, CT, Lisa Frawley)	01/11/2016
On-call tutor for Advanced Math (Regina Caeli Academy, Hartford, CT, Erika J. Ahern)	2014 Spring
On-call tutor for Algebra II (Regina Caeli Academy, Hartford, CT, Erika J. Ahern)	2014 Spring
On-call tutor for Physics (Regina Caeli Academy, Hartford, CT, Erika J. Ahern)	2014 Spring
Creative Minds in Action Post: Neuroscientists get together	12/03/2013
John Bear, Research	2013 Fall
Brain Awareness Visit (Regina Caeli Academy, Hartford, CT, Nadine Gould)	03/14/2013
Brain Awareness Visit (Mt Carmel Academy, North Haven, CT, Erika J. Ahern)	03/14/2012
Brain Awareness Visit (Regina Caeli Academy, Norcross, GA, Kari Beckman)	02/09/2009
Halloween Brains (InTown Community School, Toco Hills, GA, Tina Simpson)	10/31/2008
Brain Awareness Month (Regina Caeli Academy, Norcross, GA, Kari Beckman)	02/19/2008
Brain Awareness Month (Regina Caeli Academy, Norcross, GA, Kari Beckman)	02/15/2007
Brain Awareness Month (Cross Keys High School, Atlanta, GA, Monique Davis)	03/26/2006
Brain Awareness Month (Regina Caeli Academy, Norcross, GA, Kari Beckman)	01/28/2006
Brain Awareness Month (Regina Caeli Academy, Norcross, GA, Kari Beckman)	02/09/2009
Halloween Brains (Lilburn High School, Lilburn, GA)	10/31/2005
Career Day (Morris Brown High School Program, Atlanta, GA, Vangela Humphries)	07/07/2005
Brain Awareness Month (Cross Keys High School, Atlanta, GA, Monique Davis)	03/17/2005

SKILLS

Laboratory: Partner Preference Test, Elevated Maze, Open Field Maze, Forced Swim Test, Tail Suspension Test, Morris Water Maze, Sucrose Preference Test, Alcohol Consumption Test, Family Dynamics Behavioral Observation, Osmotic Minipump Implantation, Rodent Perfusion, Dissection, Brain Extraction & Dissection, Vibratome, Cryostat, Freezing Microtome, Immunohistochemistry, *in situ* Hybridization, Autoradiography Receptor Binding, Stereology, Electron Microscopy, PCR, Gene Fragment Gel Extraction, Plasmid DNA Purification, Restriction Enzyme Digestion, Vector/Insert Ligation, Bacterial Plasmid Transformation, Aseptic Technique, Southern Blot, Tract-tracing (using PHA-L), Trifluorethyl Seizure Induction, Structural & Functional MRI Data Acquisition, Computer-based Morphometric Analysis of Structural MRIs

Computer: Google's Web Services, Windows OS, Mac OS, Office Software (PC & Mac), JMP, SPSS, R, SigmaStat, Adobe Photoshop, Adobe Illustrator, DreamWeaver, Expression Web, iWeb, LabLife, Invitrogen's Vector NTI, EndNote, QUOSA, Zotero, AIS 6.0 Optical Density Analysis Software, Weebly Web Design, HMTL, GIMP Photo Editing, ImageJ, StereoInvestigator, Noldus EthoVision Behavioral Video-tracking Software, Clever Sys Inc. Behavioral Video-tracking Software, Blackboard, Respondus, Doceri, iPad

BRIEF RESUME

Todd Ahern earned his undergraduate degrees in Neuroscience and Biology from Oberlin College (OH) in 2002. He then attended Emory University for graduate school, working with Larry J. Young to study the neurobiology of social behavior. He received his PhD in 2010 and spent a year at UMass, Amherst, studying sexual differentiation of the brain as a postdoc in the laboratory of Nancy Forger. He joined the Department of Psychology at Quinnipiac University in 2011, where he uses innovative and evidence-based approaches to teaching neuroscience and psychology to undergraduates.

As a scholar, Dr. Ahern has authored 18 peer-reviewed journal articles, given talks at local and international venues, and presented research posters -- often with undergraduate students -- at a wide range of conferences. He was recently awarded a prestigious NARSAD Young Investigator Grant Award (2016-2018). Todd is an active mentor of undergraduate research students. He also contributes substantial time to service obligations at all levels of the university and professionally as the 2016 Organizer of the Annual NEURON Conference.



Todd H. /

Dr. Ahern's research has focused primarily on how early life social experience can influence the development of the brain and behavior, as well as how this early experience interacts with genetics and biological sex. To conduct his studies, he often employs highly social prairie voles (*Microtus ochrogaster*), which have emerged as a powerful animal model of social behavior.