May 2021

Elizabeth P. Bauer
Associate Professor, Biology Department, Neuroscience Department

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1113 Altschul
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Home Address:
420 Central Park West, 3B
New York, NY 10025
(212) 628-2958

Degrees in Higher Education
Ph.D., Center for Neural Science, New York University, Dr. Joseph LeDoux (2004)
Doctoral Dissertation: Cellular Mechanisms of Fear Learning in the Lateral Amygdala
A.B., Magna Cum Laude with High Distinction, Neuroscience, Amherst College (1997)

Additional Professional Training
Postdoctoral Fellow, Center for Molecular and Behavioral Neuroscience, Rutgers University, Mentor: Dr. Denis Paré, April 2005-May 2008
Postdoctoral Fellow, Psychology Department, Yale Univ., Mentor: Dr. Glenn Schafe, September 2004-March 2005.
Predoctoral research, Center for Neural Science, New York University, Mentor: Dr. Joseph LeDoux 1999-2004
Predoctoral research, Center for Neural Science, NYU, Dr. Nava Rubin, 1998

Professional Experience in Higher Education
Associate Professor, Biology Department, Barnard College: July 2018-present
Assistant Professor, Department of Biological Sciences, Barnard College: July 2008-July 2018
Adjunct Assistant Professor, Department of Biological Sciences, Barnard College. September 2007-June 2008.

Academic and Professional Honors
Tow Associate Professorship for Distinguished Scholars (awarded May, 2021)
Honorable Mention, Emily Gregory Award, Barnard College (2015, 2018)
Dean's Dissertation Fellowship (2002-2003, GSAS, New York University)
James Olds Memorial Neuroscience Award (1997, Amherst College).

Current Membership in Professional Societies
American Psychological Association
Molecular and Cellular Cognition Society
Pavlovian Society
Society for Neuroscience

Courses Taught
Cellular and Molecular Neuroscience (BC BIOL 3362)
Laboratory in Cellular and Molecular Neuroscience (BC BIOL 3363)

Contemporary Issues in Biology (BC BIOL 1002)
Guided Research and Seminar (BC BIOL 3592; BC BIOL 3595)
Senior Research Seminar (BC NSBV 3593; 3594)
Research Methods Seminar (BC BIOL 2900; CHEM 2900)
Research Apprenticeship Seminar (BC HSPP1001; 1002)

Senior Theses (Barnard)

Debora Goldschmidt (Biology Department; 2008) The role of the bed nucleus of the stria terminalis in fear conditioning and anxiety.

Sarah DeWitt (Neuroscience and Behavior; 2009) The role of the bed nucleus of the stria terminalis and corticotropin-releasing factor in fear conditioning and anxiety.

Angela Lu (Biology Department; 2009) The critical effects of the bed nucleus of the stria terminalis on neural systems involving fear and anxiety.

Amanda Miller (Neuroscience and Behavior, 2010) Effects of corticotropin-releasing factor on fear memory.

Elzbieta Jacek (Neuroscience and Behavior, 2010) Brain modulation of anxiety during stressful events.

Stephanie Davis (Neuroscience and Behavior, 2011) The effects of blocking L-type voltage-gated calcium channels on fear extinction.

Tina Shah (Neuroscience and Behavior, 2011) Corticotropin-releasing factor in the basolateral amygdala enhances fear extinction.

Solange Wong (Neuroscience and Behavior, 2011) Stress and fear learning in juvenile rats.

Dina Abiri (Neuroscience and Behavior, 2012) Corticotropin releasing factor infused into the basolateral amygdala in rats impairs fear extinction.

Daly Franco (Neuroscience and Behavior 2012) Stress- and age-related differential activation of the amygdala during auditory fear conditioning in male rats.

Christina Douglas (Neuroscience and Behavior 2013) The effect of corticotropin-releasing factor in the basolateral amygdala on fear conditioning

Katina Calakos (Neuroscience and Behavior 2014) CRF-1 receptor localization in the basolateral nucleus of the amygdala.

Sara Pasik (Neuroscience and Behavior 2014) Active cells in the BNST involved in the acute anxiety initiated by SSRIs contain 5-HT2C receptors.

Eliza Pelrine (Neuroscience and Behavior 2014) Serotonin receptors of the BNST mediate antidepressant-induced anxiety.

Leyla Bayat (Neuroscience and Behavior, 2015) Activation of extended amygdala circuits by selective serotonin reuptake inhibitors.

Georgia Barbayannis (Neuroscience and Behavior, 2015) The effects of age and stress on the amygdala of male rats.

Lindsey Bell (Psychology, 2016) Characterization of the bed nucleus of the stria terminalis pathways: Implications for fear learning.

Alexandra Schulz (Neuroscience and Behavior, 2016) Effects of acute Selective Serotonin Reuptake Inhibitor administration on fear memory reconsolidation

Ilana Lehman (Neurotheology, 2017) Kissed by the Gods: Spiritual experiences from temporal lobe epilepsy and how we can understand them

Katalina Acevedo (Psychology, 2017): Characterization of extended amygdala circuitry in male and female rats

Nicole Stein (Biology, 2017): Amygdala circuitry involved in the expression of contextual fear

conditioning

Ellis Breunig (Neuroscience and Behavior, 2018): Acute SSRI administration has no effect on fear memory reconsolidation but enhances consolidation in female rats.

Stacey Cohen (Neuroscience and Behavior, 2019): Characterization of contextual inputs in fear learning.

Sarah Jinich (Neuroscience and Behavior, 2019): The role of the BNST to central amygdala neuronal projection.

Rachel Nordlicht (Neuroscience and Behavior, 2020): Characterization of contextual inputs for fear learning in female rats.

Elizabeth Bier (Neuroscience and Behavior, 2021): Characterization of the ventral subiculum-BNST pathway.

Sophia Howard (Biology, 2021): Fear expression modulates activity in the ventral subiculum-BNST pathway in male and female rats.

Publications

For primary research articles, the senior author is always listed last. For book chapters and review articles, the corresponding author is starred (*).

Book chapters

Bauer, E.P.*, Pare, D. (2016) "Behavioral neuroscience of circuits involved in fear processing" In: Neurobiology of PTSD. I. Liberzon and K. Ressler, ed. Oxford: Oxford University Press. pp 5-26.

*Peer-reviewed journal articles (Barnard undergraduates are in **bold**)*

Urien, L, Bauer E.P. Sex differences in BNST and amygdala activation by contextual, cued and unpredictable threats. *Submitted.*

Urien, L, **Stein, N, Ryckman, A, Bell, L,** Bauer, E.P. (2021) Extended amygdala circuits are differentially activated by context fear conditioning in male and female rats. *Neurobiol Learn Mem*, 180:107401.

Urien, L., Xiao, Z., Dale, J., Bauer, E.P., Chen, Z., Wang, J (2018) Rate and temporal coding mechanisms in the anterior cingulate cortex for pain anticipation. *Scientific Reports.* 8(1):8298.

Barbayannis, G., Franco, D., Wong, S., Galdamez, J., Romeo, R.D., Bauer, E.P. (2017) The effects of stress on fear learning and activation of the amygdala in pre-adolescent and adult male rats. *Neuroscience.* 360:210-219.

Calakos K.C., Blackman D., Schulz A.M., Bauer E.P. (2017) Distribution of corticotropin-releasing factor (CRF) receptors on GABAergic neurons within the basolateral amygdala. *Synapse,* 71(4). doi: 10.1002/syn.21953.

Pelrine E., Pasik S.D., Bayat L., Bauer E.P. (2016) 5-HT2C receptors in the BNST are necessary for the enhancement of fear learning by selective serotonin reuptake inhibitors. *Neurobiology of Learning and Memory,* 136:189-195.

Bauer, E.P. (2015) Serotonin in fear conditioning processes. *Behavioral Brain Research,* 277:68-77.

Abiri D., Douglas C.E., Calakos K.C., Barbayannis G., Roberts, A., Bauer, E.P. (2014) Fear extinction learning can be impaired or enhanced by modulation of the CRF system in the

basolateral nucleus of the amygdala. *Behavioral Brain Research,* 271:234-9.
Burghardt, N.S., Bauer, E.P.* (2013) Acute and chronic effects of SSRI treatment on fear conditioning: implications for underlying fear circuits. *Neuroscience,* 247:253-72.
Ravinder, S., Burghardt, N.S., **Brodsky, R.,** Bauer, E.P., Chattarji, S. (2013) A role for the extended amygdala in the fear-enhancing effects of acute selective serotonin reuptake inhibitor treatment. *Translational Psychiatry* Jan 15;3e209.
Davis, S.E., Bauer E.P. (2012) L-type voltage-gated calcium channels in the basolateral amygdala are necessary for fear extinction. *Journal of Neuroscience,* 32(39):13582-6.
Duvarci, S., Bauer E.P., Paré, D. (2009) The bed nucleus of the stria terminalis mediates inter-individual variations in anxiety and fear. *Journal of Neuroscience*, 29(33):10357-61. (S.D. and E.P.B. contributed equally to this work).
Paz, R., Bauer, E.P., Paré, D. (2009) Measuring correlations and interactions between four simultaneously recorded brain regions during learning. *Journal of Neurophysiology*, 101(5):2507-15.
Paz, R., Bauer, E.P., Paré, D. (2008) Theta synchronizes the activity of medial prefrontal neurons during learning. *Learning and Memory,* 15(7):524-31.
Bauer, E.P., Paz, R. Paré, D. (2007) Gamma oscillations coordinate amygdalo-rhinal interactions during learning. *Journal of Neuroscience,* 27(35):9369-79.
Paz, R., Bauer, E.P., Paré, D. (2007) Learning-related facilitation of rhinal interactions by medial prefrontal inputs. *Journal of Neuroscience* 27(24):6542-51.
Paz, R., Pelletier, J.G., Bauer, E.P., Paré, D. (2006) Emotional enhancement of memory via amygdala-driven facilitation of rhinal interactions. *Nature Neuroscience,* 9(10) 1321-29.
Schafe, G.E., Bauer, E.P., Rosis, L.R., Farb, C., Rodrigues, S.M., LeDoux, J.E. (2005) Memory consolidation of Pavlovian fear conditioning requires nitric oxide signaling in the lateral amygdala. *European Journal of Neuroscience*, 22: 201-211.
Bauer, E.P., LeDoux, J.E. (2004) Heterosynaptic potentiation of inhibitory interneurons in the lateral amygdala. *Journal of Neuroscience*, 24(43) 9507-9512.
Rodrigues, S.M., Farb, C.R., Bauer, E.P., LeDoux, J.E., Schafe, G.E. (2004) Pavlovian fear conditioning regulates Thr^{286} autophosphorylation of Ca^{2+}/calmodulin-dependent protein kinase II at lateral amygdala synapses. *Journal of Neuroscience* 24(13) 3281-3288.
Bauer, E.P., Schafe, G.E., LeDoux, J.E. (2002) Both NMDA receptors and L-type voltage-gated calcium channels contribute to long-term potentiation and different components of fear memory formation in the lateral amygdala. *Journal of Neuroscience,* 22(12) 5239-5249.
Rodrigues, S.M., Bauer, E.P., Farb, C.R., Schafe, G.E., LeDoux, J.E. (2002) The Group I metabotropic glutamate receptor mGluR5 is required for fear memory formation and long-term potentiation in the lateral amygdala. *Journal of Neuroscience,* 22(12) 5219-5229.
Blair, H.T.,* Schafe, G.E., Bauer, E.P., Rodrigues, S.M., LeDoux, J.E. (2001) Synaptic plasticity in the lateral amygdala: A cellular hypothesis of fear conditioning. *Learning and Memory*, 8(5):229-242.
Bauer, E.P., LeDoux, J.E., Nader, K. (2001) Fear conditioning and LTP in the lateral amygdala are sensitive to the same stimulus contingencies. *Nature Neuroscience*, July 4(7): 687-8.
Schafe, G.E., Atkins, C.M., Swank, M.W., Bauer, E.P., Sweatt, J.D., LeDoux, J.E. (2000) Activation of ERK/MAP kinase in the amygdala is required for memory consolidation of Pavlovian fear conditioning. *Journal of Neuroscience*, 20(21):8177-8187.
Weisskopf, M.G., Bauer, E.P., and LeDoux, J.E. (1999) L-type voltage-gated calcium channels mediate NMDA-independent associative long-term potentiation at thalamic input

synapses to the amygdala. *Journal of Neuroscience*, 19(23), 10512-10519.

*Abstracts presented at conferences (Barnard undergraduates are in **bold**)*

Urien, L., **Cohen, S., Nordlicht, R.,** Bauer, E.P. (2019) Anatomical and functional characterization of ventral subiculum inputs to the BNST. *Society for Neuroscience Abstracts*

Urien, L., **Nordlicht, R.,** Bauer, E.P. (2019) Extended amygdala circuits are differentially activated by context fear conditioning in male and female rats. *Society for Neuroscience Abstracts*

Urien, L., **Cohen, S., Nordlicht, R.,** Bauer, E.P. (2019) Contextual fear conditioning differentially activates extended amygdala circuits in male and female rats. *NeuroFrance*

Urien, L., **Cohen, S., Jinich, S., Nordlicht, R.,** Bauer, E.P. (2018) Sexually dimorphic brain pathways for contextual fear conditioning. *Pavlovian Society Conference*

Acevedo, K., Stein, N., Breunig, E., Ryckman, A., Bauer, E.P. (2016) Extended amygdala circuits recruited by the expression of contextual fear conditioning. *Pavlovian Society Conference*

Barbayannis, G., Franco, D., Wong, S., Galdamez, J., Bauer, E.P., Romeo, R.D. (2016) The ` effects of stress on fear learning and activation of the amygdala in pre-adolescent and adult male rats. *Society for Behavioral Neuroendocrinology.*

Calakos, K., Bauer, E.P. (2014) CRF receptor localization in the basolateral nucleus of the amygdala. *Society for Neuroscience Abstracts.*

Pelrine, E., Pasik, S.D., Bauer, E.P. (2014) 5HT2C receptors in the bed nucleus of the stria terminalis (BNST) are implicated in the enhanced fear learning induced by SSRIs. *Society for Neuroscience Abstracts.*

Roquet R.F., Bauer E.P., Monfils M. (2014) Fear conditioning at p17/p25: The effects of fluoxetine on retention and re-conditioning in adulthood. *Society for Neuroscience Abstracts.*

Roquet R.F., Bauer E.P., Monfils M.H. (2013) Fear conditioning in early life: the effects of fluoxetine on retention and re-conditioning in adulthood. *Society for Neuroscience Abstracts.*

Abiri, D., Shukla, A., Calakos K., Bauer, E.P. (2012) Corticotropin-releasing factor in the basolateral amygdala impairs fear extinction. *Pavlovian Society Conference.*

Davis, S., Bauer E.P. (2011) L-type voltage gated calcium channels in the basolateral amygdala are necessary for fear extinction. *Society for Neuroscience Abstracts.*

Ravinder S., Bauer, E.P., Burghardt, N.S., **Brodsky, R.,** Chattarji, S. (2011) A role for the central nucleus of the amygdala in mediating the anxiogenic effects of acute SSRI administration. *Society for Neuroscience Abstracts.*

Duvarci, S., Bauer E.P., Paré, D. (2008) Lesions of the bed nucleus of the stria terminalis abolish behavioral heterogeneity in a differential fear conditioning paradigm. *Society for Neuroscience Abstracts.*

Paz, R., Bauer, E.P., Paré, D. (2008) Nonlinear interactions between the basolateral amygdala and medial prefrontal cortex modulate perirhinal-entorhinal communication during learning. *Society for Neuroscience Abstracts.*

Paz, R., Bauer, E.P., Paré, D. (2007) Learning-induced theta oscillations, phase locking and spike synchronization within the medial prefrontal cortex. *Society for Neuroscience Abstracts.*

Bauer, E.P., Paz, R. Paré, D. (2007) Learning-related changes in coordinated fast oscillations (35-45 Hz) in the basolateral amygdala and rhinal cortices during the acquisition of a trace-conditioning task. *Cosyne: Computational and Systems Neuroscience.*

Bauer, E.P., Paz, R. Paré, D. (2006) Learning-related changes in coordinated fast oscillations (35-45 Hz) in the basolateral amygdala and rhinal cortices during the acquisition of a trace-conditioning task. *Society for Neuroscience Abstracts.*

Paz, R., Bauer, E.P., Paré, D. (2006) Learning-related changes in the activity of medial prefrontal and rhinal neurons during the acquisition of a trace conditioning task. *Society for Neuroscience Abstracts*

Paz, R., Pelletier, J.G., Bauer, E.P., Paré, D. (2006) Emotional enhancement of memory via amygdala-driven facilitation of rhinal interactions. *Society for Neuroscience Abstracts.*

Bauer, E.P., LeDoux, J.E., Nader, K. (2005) Amygdala LTP is sensitive to probability, as opposed to the coincidence, of pre- and postsynaptic activation. *Cosyne: Computational and Systems Neuroscience*.

Bauer, E.P., LeDoux, J.E. (2004) Potentiation of inhibitory interneurons in the lateral amygdala is not input-specific. *Forum of European Neuroscience*; Lisbon, Portugal

Burghardt, N.S., Bauer, E.P., McEwen, B.S., LeDoux, J.E. (2003) Different effects of acute and chronic treatment with tianeptine in the acquistion of conditioned fear. *Society for Neuroscience Abstracts.*

Bauer, E.P., LeDoux, J.E. (2003) Potentiation of inhibitory neurons in the lateral amygdala is not input-specific. *Learning and Memory* meeting; *Cold Spring Harbour.*

Bauer, E.P., LeDoux, J.E. (2002) Heterosynaptic potentiation of inhibitory transmission in the lateral amygdala. *Society for Neuroscience Abstracts.*

Bauer, E.P., LeDoux, J.E., Nader, K. (2001) Pavlovian fear conditioning and associative LTP in the lateral amygdala are sensitive to the same stimulus contingencies. *Society for Neuroscience Abstracts*.

Rodrigues, S.M., Bauer, E.P., Schafe, G.E., LeDoux, J.E. (2001) The mGluR5 metabotropic glutamate antagonist MPEP impairs the acquisition of conditioned fear and the induction of long-term potentiation in the lateral amygdala. *Society for Neuroscience Abstracts.*

Bauer, E.P., Schafe, G.E., and LeDoux, J.E. (2000) Different induction protocols recruit NMDA and L-type calcium channel-dependent LTP in the lateral amygdala: correlation with fear memory. *Society for Neuroscience Abstracts,* 26:1253.

Schafe, G.E., Atkins, C.M., Bauer, E.P., Sweatt, J.D., LeDoux, J.E. (2000) Blockade of ERK/MAP kinase activation in the amygdala impairs memory consolidation of Pavlovian fear conditioning. *Society for Neuroscience Abstracts,* 26:1252.

Bauer, E.P., Weisskopf, M.G., and LeDoux, J.E. (1999) Excitatory and inhibitory LTP at thalamic input synapses to the lateral amygdala. *Society for Neuroscience Abstracts,* 25:879.

Rubin, N., Bauer, E. and Reitzen, S. (1999) Scene segmentation occurs in two stages: experimental evidence and a model. *Invest. Ophth. and Vis. Sci. (Suppl.)*, 40, 4192.

Bauer, E.P., George, S.A. (1997) NMDA reduces asymmetry of horizontal optokinetic nystagmus in frogs. *Society for Neuroscience Abstracts*, 22:452.

Other

Bauer, E.P. (2018) Hard feelings: a pair of neuroscientists finds that investigating emotion is easier done than said. *Science*, 360:1306.

Invited talks

"Amygdala circuits involved in fear learning and expression" (2020) Center for Developmental Neuroscience, College of Staten Island

"Extended amygdala circuits involved in fear learning and expression" (2016) Hunter College, CUNY, Biological Sciences Seminar Series

"Extended amygdala circuits involved in fear learning" (2015) City College of New York, Biology department seminar series

"Extended amygdala circuits involved in fear learning" (2015) Hofstra University, Biology department seminar series

"The extended amygdala mediates the effects of acute SSRIs on fear conditioning" (2013) Gordon Research Conferences, "Amygdala in Health and Disease"

"Acute SSRI treatment enhances fear conditioning: a role for the extended amygdala" (2012) Pavlovian Society Conference

"The bed nucleus of the stria terminalis determines inter-individual variations in anxiety and fear" (2009) Behavioral Neuroscience Journal Club, Columbia University

Symposia organized

"Stress, anxiety and fear conditioning" (2012), Pavlovian Society Conference

Grant Activity

Active Grants

Grant # 1R15MH122969-01 (Elizabeth Bauer PI)
National Institutes of Mental Health (NIMH) Academic Research Enhancement Award (AREA) (4/15/2020-4/14/2023)
Title: Regulation of fear conditioning by subicular inputs to the BNST
Total award amount: $411,173

Prior Awards Now Terminated

External

Grant # 1R15MH107008-01A1 (Elizabeth Bauer PI)
National Institutes of Mental Health (NIMH) Academic Research Enhancement Award (AREA) (6/1/2016-5/31/2019)
Title: Modulation of fear conditioning by extended amygdala circuits
Total award amount: $410,845

Grant # 1R15MH095032-01 (Elizabeth Bauer PI)
National Institutes of Mental Health (NIMH) Academic Research Enhancement Award (AREA) (7/1/2011-6/30/2014)
Title: Modulation of fear memory by corticotropin-releasing factor in the amygdala
Total award amount: $392,415

Grant #: 5F32MH076640 (Elizabeth Bauer PI)
NIMH National Research Service Award (NRSA) Postdoctoral Fellowship (6/01/06-5/31/08)
Title: Amygdala and Prefrontal Control of the Rhinal Cortices

Amount of Award: $99,224

Grant #: 1F31NS043899 (Elizabeth Bauer PI)
NIMH National Research Service Award (NRSA) Predoctoral Fellowship (9/1/02-8/31/04)
Title: mGluRs and Synaptic Plasticity in the Lateral Amygdala
Amount of Award $70,260

NSF Predoctoral Fellowship (1998-2001)
Amount of Award: $60,000

Internal
Barnard College Presidential Research Award (Elizabeth Bauer PI)
Awarded: May, 2018
Title: Interactions of the Neural Structures Underlying Fear and Anxiety
Total award amount: $31,692

Barnard College Post-tenure Research Award (Elizabeth Bauer PI)
Total Award amount: $6,000

Beckman Scholars Award (Rachel Nordlicht, undergraduate awardee)
2018-2019

Barnard Minigrant (Elizabeth Bauer PI)
2016-2018
Total award amount: $8,000

Barnard SAPL Minigrant (Elizabeth Bauer PI)
2013-2014
Total award amount: $8,000

Service to the College

AMGEN Scholars Summer Research Program Section Leader; (2010-2014)
- Served on admissions committee
- Lead weekly classes for summer AMGEN students (10 weeks)
- Accompanied students to AMGEN Scholars National Symposium

Barnard College Center for Research on Women. Advisory Board. 2008-present.
Organized the Roslyn Silver Science Lecture; Speaker: Elisabeth Murray, NIH (October 2010)

#BarnardReads Moderator (2016)
Committee on Petitions and Academic Standing (Fall 2015-Spring 2017)
Committee on Honors (Fall 2014-Spring 2016)
Committee on Faculty Governance and Procedures, member
Elected Spring 2011: 2011-2012 academic year, spring 2013;
Member of Grievance Committee (Spring 2013)
Elected Spring 2017: 2017-2019
Faculty Representative to SRI for Neuroscience and Behavior (2019)

Faculty Representative to SP2 for the Neuroscience and Behavior Department (2020-current)
Member of the search committee for a Microbiologist (Biology); Spring 2009
Member of the search committee for a Computational Biologist (Biology); Fall 2018
Member of the search committee for a Neuroscientist (Neuroscience and Behavior); Fall 2018
Member of the search committee for Barnard College's Registrar; Spring 2017
Outside Member of the search committee for a Developmental Psychologist (Psychology); Spring 2009
Outside Member of the search committee for a Biochemist (Chemistry); Fall 2018
Pre-majors Advisory Committee: (Spring 2018)

2008-2009 5 Major and Pre-major advisees
2009-2010 18 Major and Pre-major advisees
2010-2011 21 Major and Pre-major advisees
2011-2012 23 Major and Pre-major advisees
2012-2013 3 Major and Pre-major advisees (on leave this year)
2013-2014 12 Major and Pre-major advisees (on leave this year)
2014-2015 16 Major and Pre-major advisees
2015-2016 32 Major and Pre-major advisees
2016-2017 36 Major and Pre-major advisees
2017-2018: 39 Major and Pre-major advisees
2018-2019: 28 Major and Pre-major advisees
2019-2020: 27 Major and Pre-major advisees
2020-2021: 29 Major and Pre-major advisees

Service to the Profession

Peer Review, Scientific Journals:
Behavioral Brain Research
Biological Psychiatry
European Journal of Neuroscience
Experimental Brain Research
Hippocampus
Journal of Neurophysiology
Journal of Psychopharmacology
JoVE
Nature Communications
Neuroscience Letters
Neuropharmacology
Neuropsychopharmacology
Physiology and Behavior
PlosONE
Progress in Neuro-Psychopharmacology and Biological Psychiatry
Psychoneuroendocrinology

Peer Review, Grant Agencies:
Biotechnology and Biological Sciences Research Council (United Kingdom)
Human Frontier Science Program
National Institutes of Health

National Science Foundation