

Elizabeth B. Smedley

Education

<u>School and location</u>	<u>Degree</u>	<u>Year</u>	<u>Field</u>
University of New Hampshire, Durham, NH	B.S.	2015	Neuroscience and Behavior
Dartmouth College, Hanover, NH	Ph.D.	2021	Psychological and Brain Sciences

Professional Experience

2017 – Current PhD Candidate, Dartmouth College
2015 – 2017 Graduate Research Assistant, Dartmouth College
2014 Research Assistant, Summer Internship, University of New Hampshire
2013 – 2015 Undergraduate Research Assistant, Volunteer, University of New Hampshire

Teaching experience

Positions

2019 Teaching Assistant, Systems Neuroscience (Psych 65), Dartmouth College
2018 Teaching Assistant, Introduction to Neuroscience (Psych 6), Dartmouth College
2017 Teaching Assistant, Systems Neuroscience (Psych 65), Dartmouth College
2016 Teaching Assistant, Systems Neuroscience (Psych 65), Dartmouth College
2014 Teaching Assistant, Psychobiology (Psych 531), University of New Hampshire

Lectures Given

2019 “Liking vs. Wanting: Hedonics, Reward, Sign-Tracking, & Addiction” Neurobiology of Learning and Memory, Dartmouth College
2019 “Visual System II: Pathways” Systems Neuroscience (Psych 65), Dartmouth College
2018 “Motivation” Introduction to Neuroscience (Psych 6), Dartmouth College
2017 “DREADDs: The function of chemogenetics and their use in behavioral neuroscience” Graduate Research Roundtable, Dartmouth College
2017 “Limbic System” Systems Neuroscience (Psych 65), Dartmouth College

Mentoring

Dartmouth College MD-PhD Undergraduate Summer Fellowship
2019 (Summer Term): Nwamaka Ijeh

Dartmouth College Undergraduate Mentoring

2019: Darren Gu ('22)
2017 – Current: Jill Nehrbas ('20)

Outreach and Volunteer

2019 Letters to a Pre-Scientist – Scientist Pen Pal
2019 Upper Valley Brain Bee – Volunteer
2019 Dartmouth Science Day – Volunteer
2018 Bio Behavioral Brown Bag - Speaker Coordinator
2018 B.I.A.S. @ Dartmouth, (Building Inclusivity for the Advancement of Science) – Committee and Founding Member
2017 New Hampshire chapter of the National Association of the Academies of Science (NHAS), American Junior Academy of Science (AJAS) – Reviewer
2017 Upper Valley Brain Bee – Volunteer
2016 The Family Place “Mythbusters” – Instructor/Volunteer
2016 New Hampshire Brain Bee High School Student Visit – Host

Invited Talks

2015 – Current: Behavioral Neuroscience Brown Bag Meeting (x9)

Awards and Honors

2018 AIGrant.org
2016 Graduate Alumni Research Award, Dartmouth College
2015 Summa Cum Laude, University of New Hampshire, Durham

2015 Dean's List, University of New Hampshire, Durham
2014 Dean's List, University of New Hampshire, Durham
2014 Summer Research Assistant Grant, University of New Hampshire, Durham
2013 Dean's List, University of New Hampshire, Durham (Spring and Fall Semesters)
2012 Dean's List, University of New Hampshire, Durham (Spring and Fall Semesters)

Scholarly Works

Published

- Smedley**, DiLeo, Smith. 2019. Circuit directionality for motivation: lateral accumbens-pallidum, but not pallidum-accumbens, connections regulate motivational attraction to reward cues. Accepted at *Neurobiology of Learning and Memory*
- Smedley**, Smith. 2018b. Evidence for a shared representation of sequential cues that engage sign-tracking. *Behavioral Processes* 157: 489-494.
- Smedley**, Smith. 2018a. Evidence for structure and persistence in motivational attraction to serial Pavlovian cues. *Learning & Memory* 25: 78-89.
- Chang, **Smedley**, Stansfield, Stott, and Smith. 2017. Optogenetic inhibition of ventral pallidum neurons impairs prospective sodium-seeking. *Journal of Neuroscience* 37: 5670-5680.

Manuscripts in submission

- Nehrbas, **Smedley**, Smith. Explorations with conditioned stimuli in autoshaping procedures.
- Doucette, **Smedley**, Ruiz-Jaquez, Khokhar, Smith. Chronic Chemogenetic Manipulation of Ventral Pallidum Targeted Neurons in Rats Fed an Obesogenic Diet.
- Doucette, **Smedley**. The neurobiological basis of binge eating disorder: Current methodologies and future considerations.

Conference Abstracts & Posters

- Smedley, E.B.**, DiLeo, A., Smith, K.S. (2019). Circuit directionality for motivation: lateral accumbens-pallidum, but not pallidum-accumbens, connections regulate motivational attraction to reward cues. Society for Neuroscience, 49th Annual Meeting. Chicago, IL.
- Smedley, E.B.**, Kyle, K.S. (2018). Evidence for structure and persistence in motivational attraction to serial Pavlovian cues. Dartmouth Neuroscience Day. Dartmouth College. Hanover, NH.
- Miller, R.L, **Smedley, E.B.**, Francoeur, M.J., Wormwood, B.A., Chase, D.C., Minukhin, D., Theriault, C.J., Gibson, B.M., and Mair, R.G. (2015). More than just a relay: The role of medial thalamus in flexible, goal-directed behavior. Society for Neuroscience, 45th Annual Meeting. Chicago, IL.
- Smedley, E.B.**, Miller, R.L., Mair, F.G., Gibson, B.M. (2015). Encoding of information about action and outcomes by medial thalamus in the rat. Undergraduate Research Conference, 16th Annual Meeting. University of New Hampshire. Durham, NH.
- Miller, R.L, Onos, K.D., Francoeur, M.J., Wormwood, B.A., **Smedley, E.B.**, Theriault, C.J., Ryder, E.E., Gibson, B.M., and Mair, R.G. (2014). Encoding of information about action and context by medial thalamus in the rat: Comparisons to prefrontal cortex. Society for Neuroscience, 44th Annual Meeting. Washington, D.C.
- Ryder, E.E., **Smedley, E.B.**, Miller, R.L., Gibson, B.M., and Mair, R.G. (2014). Memory coding properties of central thalamus. Undergraduate Research Conference, 15th Annual Meeting. University of New Hampshire. Durham, NH.
- Ryder, E.E., **Smedley, E.B.**, Miller, R.L., Gibson, B.M., and Mair, R.G. (2014). Memory coding properties of central thalamus. (Statewide Psychology Academic Convention), New Hampshire Psychological Association, 6th Annual Meeting