

# Elizabeth B. Smedley

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## Education

<u>School and location</u>	<u>Degree</u>	<u>Year</u>	<u>Field</u>
Dartmouth College, Hanover, NH	Ph.D.	2020	Psychological and Brain Sciences
University of New Hampshire, Durham, NH	B.S.	2015	Neuroscience and Behavior

## Professional Experience

2020 – Current	Postdoctoral Researcher, Dartmouth College
2017 – 2020	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*

2020 “Pavlovian vs. Instrumental Conditioning” Neuroscience of Reward, Dartmouth College  
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

## Pedagogy & Teaching Courses

2020 DCAL Inclusive Teaching Learning Community (*Series of 4 Meetings*)  
2020 DCAL Workshop on Transitioning to Online Learning  
2020 DCAL Mentoring Series (*Series of 4 Meetings*)  
2020 Volunteer Teaching Assistant for Systems Neuroscience (Psych 65), Dartmouth College  
2019 Presentation to 1st Yr students on Rigor and Reproducibility (*Guest Lecture for 1st Yr Ethics*)  
2019 DCAL Future Faculty Series (*Series of 5 Meetings*)  
2018 Dartmouth Center for the Advancement of Learning (DCAL) Workshop on Stress in the Classroom  
2018 Pedagogy with a Purpose (*Psych 167 Course*)

## Mentoring

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

### *Dartmouth College Undergraduate Mentoring*

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

## Outreach and Volunteer

2019-2020 Letters to a Pre-Scientist – Scientist Pen Pal  
2019 Upper Valley Brain Bee – Volunteer  
2019 Dartmouth Science Day – Volunteer  
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

2020 Marie Center Award for Excellence in Teaching, Dartmouth College  
2020 NIH/NIDA F31-NRSA Ruth L. Kirschstein Predoctoral Individual National Research Service Award  
2018 AIGrant.org  
2016 Graduate Alumni Research Award  
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*

Doucette, **Smedley**. 2020. Emerging translational treatments to target the neural networks of binge eating. *Binge Eating: A Transdiagnostic Psychopathology*. Springer International Publishing. 103-118.  
**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*. 162: 23-35.  
**Smedley**, Smith. 2018. Evidence for a shared representation of sequential cues that engage sign-tracking. *Behavioral Processes* 157: 489-494.  
**Smedley**, Smith. 2018. 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.

### 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, 49<sup>th</sup> Annual Meeting. Chicago, IL.  
**Smedley, E.B.**, Smith, 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, 45<sup>th</sup> 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, 16<sup>th</sup> 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, 44<sup>th</sup> 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, 15<sup>th</sup> 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, 6<sup>th</sup> Annual Meeting. University of New Hampshire. Durham, NH.