

Elizabeth B. Smedley

Education

School and location	Degree	Year	Field
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

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

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

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, 49th 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, 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. University of New Hampshire. Durham, NH.