Curriculum Vitae
Michael L. Wallace, Ph.D.
72 E. Concord St.
Instructional – L Building, #L-814C
Boston, MA 02118
(617)-358-9590
mlwall12@bu.edu

Academic Training:

5/2007 B.A.	Rutgers University, New Brunswick, NJ; Cum Laude, Cell Biology and Neuroscience
5/2014 Ph.D.	University of North Carolina, Chapel Hill, NC; Neurobiology

Additional Training:

7/2014-12/2020	Postdoctoral Fellow, Bernardo Sabatini, Harvard Medical School, Boston, MA

Academic Appointments:

1/2021-Present	Assistant Professor, Dept. of Anatomy & Neurobiology, Boston University School of Medicine, Boston, MA

Honors:

5/2007	Cum Laude, Rutgers University, New Brunswick, NJ
5/2007	Phi Beta Kappa, Rutgers University, New Brunswick, NJ

Teaching Experience and Responsibilities:

7/2018	Group leader for Health Professions Recruitment and Exposure Program (HPREP), Harvard Medical School

Major Mentoring Activities:

2018-present	Julie Locatore, Simmons University, thesis advisor
2018	Gianna Radeljic, Amherst College, summer research internship
2017	Julia Williams, Simmons University, undergraduate research assistant
2016	Seul-Ah Kim, Harvard University, graduate student advisor
2015	Andrea Zanello, Northeastern University, co-op mentor
2013	Kelly Carstens, University of North Carolina, graduate student advisor
2011	Christopher Mazzone, University of North Carolina, graduate student advisor

Other Professional Activities:

Professional Societies: Memberships, Offices, and Committee Assignments:

2008-present	Member, Society for Neuroscience

Other Support:

Current:

8/2018-8/2023	K99/R00 NS105883 PI: Michael Wallace, "A function for the entopedunclar nucleus in motivated behavior," Total Cost: R00: $750,000 Role: PI

Past:

6/2015-6/2016	5 T32NS007484-15 PI: Wade Regher, Postdoctoral institutional NRSA training grant, Total Cost: $43,680 Role: Trainee

2012	5R25MH059472-15 PI: William S. Reznikoff, Predoctoral institutional fellowship, Total Cost: $3,520 Role: Trainee
9/2011-9/2013	F31 NS077847 PI: Michael Wallace, "Cell type-specific synaptic defects in Angelman Syndrome model mice. Total Cost: $62,304 Role: PI/Trainee
9/2009-9/2010	2T32NS007431-11A1 PI: William Snider, Predoctoral institutional NRSA training grant, Total Cost: $20,976 Role: Trainee

Invited Lectures and Conference Presentations:

Regional/Local:

April 24, 2020 "Strange synapses of the basal ganglia and their function in action selection", Boston University Medical School, Boston, MA *[Invited Lecture]*

January 29, 2020 "Strange synapses of the basal ganglia and their function in action selection", UMass Medical School, Worchester, MA *[Invited Lecture]*

April 15, 2017 "Entopeduncular nucleus control of limbic and sensorimotor output of the basal ganglia", Harvard University, Cambridge, MA *[Invited Lecture]*

May 17, 2016 "Parallel pathways for limbic and sensorimotor output of the basal ganglia," Harvard Medical School, Boston, MA *[Departmental seminar]*

National:

October 15, 2018 "The Function of the Entopeduncular Nucleus in Action Selection and Evaluation", Society for Neuroscience, San Diego, CA *[Conference Presention]*

February 17, 2018 "The Function of the Entopeduncular Nucleus in Action Selection and Evaluation", Basal Ganglia Gordon Conference, Ventura, CA *[Conference Presention]*

February 21, 2016 "Genetic labeling of distinct entopeduncular cell-types reveals parallel pathways that target limbic and motor associated areas", Basal Ganglia Gordon Conference, Ventura, CA *[Conference Presention]*

October 17, 2013 "Visual cortical receptive field properties in and Angelman syndrome mouse model," Society for Neuroscience, San Diego, CA *[Conference Presentation]*

March 24, 2012 "Maternal loss of *Ube3a* produces an excitatory/inhibitory imbalance through neuron type-specific defects," Keystone Symposia on Synapses and Circuits, Steamboat, CO *[Invitied Lecture and Conference presentation]*

October 17, 2010 "Neocortical circuit dysfunction in a mouse model of Angelman Syndrome," Society for Neuroscience, San Diego, CA *[Conference presentation]*

January 31, 2010 "Inhibitory synaptic defects in a mouse model for Angelman Syndrome," Keystone Symposia – Defining a pathophysiology for Autism, Snowbird, UT *[Conference presentation]*

Bibliography:

Original, Peer Reviewed Articles:

1. Arenkiel BR, Hasegawa H, Yi JJ, Larsen RS, **Wallace ML**, Philpot BD, Wang F, Ehlers MD. Activity-induced remodeling of olfactory bulb microcircuits revealed by monosynaptic tracing. *PLoS One*, 2011.

2. Buttermore ED, Piochon C, **Wallace ML**, Philpot BD, Hansel C, Bhat MA. Pinceau organization in the cerebellum requires distinct functions of neurofascin in Purkinje and basket neurons during postnatal development. *J Neurosci*., 2012.

3. **Wallace ML**, Burette AC, Weinberg RJ, Philpot BD. Maternal loss of Ube3a produces an excitatory/inhibitory imbalance through neuron type-specific synaptic defects. *Neuron*, 2012.

4. Thé L*, **Wallace ML***, Chen CH*, Chorev E*, Brecht M. Structure, function, and cortical representation of the rat submandibular whisker trident. *J Neurosci*., 2013.

5. Huang HS, Yoon BJ, Brooks S, Bakal R, Berrios J, Larsen RS, **Wallace ML**, Han JE, Chung EH, Zylka MJ, Philpot BD. Snx14 regulates neuronal excitability, promotes synaptic transmission, and is imprinted in the brain of mice. *PLoS One*, 2014.

6. Judson MC*, **Wallace ML***, Sidorov MS, Burette AC, Gu B, van Woerden GM, King IF, Han JE, Zylka MJ, Elgersma Y, Weinberg RJ, Philpot BD. GABAergic Neuron-Specific Loss of Ube3a Causes Angelman Syndrome-Like EEG Abnormalities and Enhances Seizure Susceptibility. *Neuron*, 2016.

7. **Wallace ML**, Saunders A, Huang KW, Philson AC, Goldman M, Macosko EZ, McCarroll SA, Sabatini BL. Genetically Distinct Parallel Pathways in the Entopeduncular Nucleus for Limbic and Sensorimotor Output of the Basal Ganglia. *Neuron*, 2017.

8. **Wallace ML**, van Woerden GM, Elgersma Y, Smith SL, Philpot BD. Ube3a loss increases excitability and blunts orientation tuning in the visual cortex of Angelman syndrome model mice. *J Neurophysiol*. 2017.

9. **Wallace ML**, Huang KW, Hochbaum DR, Hyun M, Radeljic G, Sabatini BL. Anatomical and single-cell transcriptional profiling of the murine habenular complex. *eLife*. 2020.

* Denotes shared first authorship

Case Reports, Reviews, Chapters, and Editorials:

Editorials and Critical Reviews:

1. Granger AJ, **Wallace ML**, Sabatini BL. Multi-transmitter neurons in the mammalian central nervous system. *Curr Opin Neurobiol*. 2017.