

# KEVIN DAVIS

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<b>Education</b>	<b>University of Miami</b>	<i>Miami, Florida</i>
	2018-Present. Medical Scientist Training Program	
	<b>Brigham Young University</b>	<i>Provo, Utah</i>
	2009–2015. B.S. Neuroscience. GPA: 3.8/4.0	
<b>Research Experiences</b>	<b>University of Miami</b>	<i>Miami, Florida</i>
	2018. Dr. Monica Perez. Research Rotation Modulation of spasticity through vibration and acute intermittent hypoxia	
	2018. Dr. Bradley Goldstein. Research Rotation Time-course expression of CXCLR4 within murine olfactory epithelium after injury	
	<b>University of Iowa</b>	<i>Iowa City, Iowa</i>
	2016–2018. Dr. Huxing Cui. Research Projects: Lateral hypothalamic regulation of blood pressure; behavioral and metabolic characterization of eating disorders associated with HDAC4 <sup>A778T</sup> mutation in mice	
	2015–2016. Dr. Andrew Pieper. Research Projects: Axonal degradation in mouse models of traumatic brain injury; neuroprotective properties of compound P7C3	
	<b>Brigham Young University</b>	<i>Provo, Utah</i>
	2013–2015. Dr. Steven Charles. Research Projects: Control of redundant movements of the wrist and forearm; minimum-jerk trajectories applied to rotational movements of the wrist	
	2014–2015. Dr. Jonathan Wisco. Research Project: Developmental differences in putative pheromone-induced brain activity in male and female adults	
<b>Publications</b>	<b>Center for Sensorimotor Neural Engineering</b>	<i>Seattle, Washington</i>
	2014. Dr. Kat Steele. Research Projects: Long-term electromyography gait analysis in patients with cerebral palsy	
<b>Publications</b>	<b>Published</b>	
	2018. Dorman G, Davis KC, Peaden AW, and Charles SK. Control of Redundant Wrist and Forearm Rotations. Journal of Neurophysiology	

	<p>2016. M. Lutter, M. Z. Khan, K. Satio, K. C. Davis, I. J. Kidder, L. McDaniel, B. W. Darbro, A. A. Pieper, and H. Cui, "The Eating-Disorder Associated HDAC4(A778T) Mutation Alters Feeding Behaviors in Female Mice.," <i>Biol. Psychiatry</i>, pp. 1–8.</p> <p>2016. T. C. Yin, J. R. Voorhees, R. M. Genova, K. C. Davis, A. M. Madison, J. K. Britt, C. J. Cintron-Perez, L. McDaniel, M. M. Harper, and A. A. Pieper, "Acute Axonal Degeneration Drives Development of Cognitive, Motor, and Visual Deficits after Blast-Mediated Traumatic Brain Injury in Mice," <i>eNeuro</i>, vol. 3, no. 5, p. e0220–16.2016.</p>	
<b>Awards</b>	<p><b>Grants</b></p> <p>2014. Brigham Young University Magnetic Resonance Imaging Research Facility Grant</p>	
<b>Presentations &amp; Abstracts</b>	<b>Diabetes Research Week</b>	<i>Iowa City, Iowa</i>
	2018. Poster Presentation. Celastrol reduces obesity in MC4R deficiency and stimulates sympathetic nerve activity affecting cardiovascular function. K. C. Davis, K. Satio, D. Morgan, B. A. Toth, H. Cui	
	<b>Society for Neuroscience 2017</b>	<i>Washington D.C.</i>
	2017. Poster Presentation. Behavioral and metabolic characterization of eating disorder associated HDAC4-A778-T mutant mice. K.C. Davis, S. R. Rodeghiero, K. Saito, B. A. Ahlers, H. Cui.	
	<b>Iowa Research Week</b>	<i>Iowa City, Iowa</i>
	2017. Poster Presentation. Anti-obesity effect of celastrol requires leptin signaling but is independent of the central melanocortin system. K. C. Davis, K. Saito, E. N. Rodriguez, B. Toth, E. Martinez, H. Cui	
	<b>Pharmacology Retreat</b>	<i>Coralville, Iowa</i>
	2016. Poster Presentation. Characterization of the HDAC4 <sup>A778T</sup> Mouse. K. C. Davis, M. Z. Khan, L. McDaniel, B. W. Darbro, A. A. Pieper, M. Lutter, H. Cui.	
	<b>UW Research Symposium</b>	<i>Seattle, Washington</i>
	2014. Poster Presentation. Long-Term acquisition of EEG signals in daily activities. K. C. Davis. B. Shuman, K. Rumberger, K. M. Steele.	
	<b>Utah Neuroscience Symposium</b>	<i>Snowbird, Utah</i>
	2013. Poster Presentation. Control of redundant wrist movements. G. M. Dorman, K. C. Davis, A. W. Peadar, S. K. Charles	

<b>Teaching Experiences</b>	<b>Brigham Young University</b>	<i>Provo, Utah</i>
	2013–2015. Dr. Jonathan Wisco. Elementary Anatomy Laboratory Teaching Assistant	
	<b>University of Utah</b>	<i>Salt Lake City, Utah</i>
	2014. Dr. Jonathan Wisco. University of Utah School of Medicine anatomy laboratory short-term teaching assistant	
<b>Volunteer Service</b>	<b>Iowa City Free Medical Clinic</b>	<i>Iowa City, Iowa</i>
	2016–2018. Supervisor: Jennifer Beltran. Patient guide	
	<b>University of Iowa Hospitals and Clinics</b>	<i>Iowa City, Iowa</i>
	2016. Supervisor: Jaison Marks. Second stage recovery 2015. Supervisor: Jaison Marks. Orthopedic Clinic	
	<b>Habitat for Humanity</b>	<i>Iowa City, Iowa</i>
	2015–2016. Local community builds	
	<b>Conversation Partners</b>	<i>Iowa City, Iowa</i>
	2015–2016. Korean Conversation Partner	
	<b>Horizon Hospice Services</b>	<i>Provo, Utah</i>
	2015. Supervisor: Tracy Ruiz	
	<b>Utah Valley Regional Hospital</b>	<i>Provo, Utah</i>
	2015. Supervisor: Cheryl Call. Emergency Department 2013. Neuro shock trauma and Intensive care unit	
	<b>Utah Special Olympics</b>	<i>Provo, Utah</i>
	2013–2014. Supervisor: Michael Blomfield. Basketball. Soccer. Softball	
	<b>The Church of Jesus Christ of Latter-Day Saints</b>	<i>Hungary</i>
	2010–2012. Mission President: Gary S. Baughman. Leadership Roles: Assistant to the President	
<b>Previous Employment</b>	<b>Brigham Young University Print and Mail Services</b>	<i>Provo, Utah</i>
	2012–2013. Employer: Zack Cameron. Junior Web and Software Developer	
	<b>Devila Web Design</b>	<i>Phoenix, Arizona</i>
	2007–2009. Employer: Ricardo Devila. Freelance Web Developer	

	<b>Suddenly Slimmer Day Spa</b>	<i>Phoenix, Arizona</i>
	2007–2009. Employer: Luzivone Damaceno. Web Developer and Database administrator.	
<b>Technical Skills</b>	<p><b>Life Sciences</b> PCR/qPCR, Western Blot, Immunohistochemistry, Mouse dissection, Mouse Stereotaxic Surgery, Optogenetics, Behavioral Assays</p> <p><b>Computational</b> NodeJS, Javascript, MatLab, C/C++, Bash, Assembly. Familiar: PHP, SQL, Python, Networking Systems</p> <p><b>Software</b> Microsoft Office, MatLab, GraphPad Prism</p>	
<b>References</b>	<p><b>Dr. Huxing Cui</b> Assistant Professor Department of Pharmacology University of Iowa 51 Newton Road, BSB 2-300 Iowa City, IA (319) 335-6954 huxing-cui@uiowa.edu</p> <p><b>Dr. Andrew Pieper</b> Professor Department of Psychiatry University of Iowa 195 Newton Road, PBDB 1318 Iowa City, IA (319) 353-5781 andrew-pieper@uiowa.edu</p> <p><b>Dr. Steven Charles</b> Associate Professor Department of Mechanical Engineering Brigham Young University 435D CTB Provo UT, 84602 (801) 422-7369 skcharles@byu.edu</p>	

	<p><b>Dr. Jonathan Wisco</b> Associate Professor Department of Physiology and Developmental Biology Brigham Young University 2028 LSB Provo UT, 84602 (801) 422-2402 jjwisco@byu.edu</p>
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