

KEVIN DAVIS

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Education **University of Miami** *Miami, Florida*
2018-Present. Medical Scientist Training Program

Brigham Young University *Provo, Utah*
2009–2015. B.S. Neuroscience.

Research Experiences **University of Miami** *Miami, Florida*
2018. Dr. Monica Perez. Research Project: Modulation of spasticity through vibration and acute intermittent hypoxia

University of Iowa *Iowa City, Iowa*
2016–2018. Dr. Huxing Cui. Research Projects: Lateral hypothalamic regulation of blood pressure; behavioral and metabolic characterization of eating disorders associated with HDAC4^{A778T} mutation in mice
2015–2016. Dr. Andrew Pieper. Research Projects: Axonal degradation in mouse models of traumatic brain injury; neuroprotective properties of compound P7C3

Brigham Young University *Provo, Utah*
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

Center for Sensorimotor Neural Engineering *Seattle, Washington*
2014. Dr. Kat Steele. Research Projects: Long-term electromyography gait analysis in patients with cerebral palsy

Publications **Published**
2018. Dorman G, Davis KC, Peaden AW, and Charles SK. Control of Redundant Wrist and Forearm Rotations. *Journal of Neurophysiology*
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.," *Biol. Psychiatry*, pp. 1–8.

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," *eNeuro*, vol. 3, no. 5, p. e0220–16.2016.

**Presentations
& Abstracts**

Diabetes Research Week

Iowa City, IA

2018. Poster Presentation. Celastrol reduces obesity in MC4R deficiency and stimulates sympathetic nerve activity affecting cardiovascular function. K. C. Davis, K. Saito, D. Morgan, B. A. Toth, H. Cui

Society for Neuroscience 2017

Washington D.C.

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.

Iowa Research Week

Iowa City, IA

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

UW Research Symposium

Seattle, WA

2014. Poster Presentation. Long-Term acquisition of EEG signals in daily activities. K. C. Davis. B. Shuman, K. Rumberger, K. M. Steele.

Utah Neuroscience Symposium

Snowbird, UT

2013. Poster Presentation. Control of redundant wrist movements. G. M. Dorman, K. C. Davis, A. W. Peadar, S. K. Charles

**Teaching
Experiences**

Brigham Young University

Provo, Utah

- 2013–2015. Dr. Jonathan Wisco. Elementary Anatomy Laboratory Teaching Assistant

University of Utah

Salt Lake City, Utah

2014. Dr. Jonathan Wisco. University of Utah School of Medicine anatomy laboratory short-term teaching assistant