JEFF MOHL

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EDUCATION

Duke University, Durham, NC	
Ph.D. in Neurobiology Candidate	2014-Present
Advisor: Jennifer Groh	
Thesis: Neural basis of multisensory integration and segregation	
Montana State University, Bozeman, MT	
B.S. Mechanical Engineering, Highest Honors	2009-2014
HONORS AND AWARDS	
National Defense Science and Engineering Graduate Fellowship	2016-2019
Walter Byers Graduate Scholarship Finalist	2014
USTFCCCA Academic All-American	2010-2014
Montana University System – Honors Tuition Waiver	2009-2013
TEACHING	
Duke University, Durham, NC	
Neurobiology Bootcamp, Session Leader	2017, 2018
Principles of Neurobiology I, Teaching Assistant	2017
Duke Biosciences and Engineering Camp, Counselor	2016
Montana State University, Bozeman, MT	
Athletic Department Sponsored Tutor	2013-2014
Montana State Track and Field Camp, Counselor	2010-2014

PUBLICATIONS

- **Mohl, JT**; Caruso VC; Tokdar, S; Groh, JM Sensitivity and specificity of a Bayesian single trial analysis for time varying neural signals. *submitted*. Preprint available on biorxiv doi: https://doi.org/10.1101/690958
- Caruso, VC; Mohl, JT; Glynn C; Lee J; Willett, S; Zaman A; Ebihara, AF, Estrada R; Freiwald, W. A. Tokdar S; Groh, JM. 2018. Single neurons may encode simultaneous stimuli by switching between activity patterns. In press at Nature Communications. Originally posted on biorxiv as Caruso, VC; Mohl, JT; Glynn C; Lee J; Willett, S; Zaman A; Estrada R; Tokdar S; Groh, JM. Evidence for time division multiplexing of multiple simultaneous items in a sensory coding bottleneck. doi: https://doi.org/10.1101/107185.

ABSTRACTS ANDCONFERENCE PRESENTATIONS

- **Mohl, JT**; Tokdar, S; Groh, JM. 2018. Distinct codes as a substrate for causal inference in primate superior colliculus neurons. *Society for Neuroscience; Advances & Perspectives in Auditory Neuroscience*
- Jun, NY; **Mohl, JT**; Cohen, M; Groh, JM. 2018. Fluctuating activity (time-division multiplexing) varies across sensory brain regions. *Society for Neuroscience*

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Caruso, VC; **Mohl, JT**; Glynn, C; Lee, J; Willett, S; Zaman A; Estrada R; Tokdar S; Groh, JM. 2017. Fluctuating activity and coding of multiple items. *Cognitive and Computational Neuroscience meeting, New York, 2017*

Mohl, JT; Tokdar, S; Groh JM. 2017. A dynamic neural code may underlie multisensory integration and segregation in the primate superior colliculus. *Society for Neuroscience; Advances & Perspectives in Auditory Neuroscience* (selected for poster teaser highlight)

Mohl, J.T; Caruso, V. C.; Glynn, C; Tokdar, S; Groh, JM. 2016. Characterization of a novel analysis method for single trial analysis of fluctuating neural responses. *Society for Neuroscience*

COMMITTEE MEMBERSHIPS

Duke Institute for Brain Science, Student Committee, Professional Development Co-Chair	2019
Neurobiology External Review, Student Committee, Vice President	2018
Gordon G. Hammes Excellence in Teaching Award, Selection Committee	2018

INDUSTRY EXPERIENCE

PrintingForLess.com, Livingston, MT
Software Developer - Intern 2013

The Boeing Company, Everett, WA Payloads Design Engineer - Intern

2012

MEMBERSHIPS

Society for Neuroscience
Tau Beta Pi – Engineering Honors Society
Pi Tau Sigma – Mechanical Engineering Honors Society
Phi Kappa Phi – General Honors Society