

Jeffrey Kopsick

Krasnow Institute for Advanced Study, George Mason University, VA 22030 USA
jkopsick@gmu.edu <https://jeffreykopsick.netlify.app/>

EDUCATION

George Mason University Ph.D. in Neuroscience GPA: 3.90	Fairfax, VA Expected 2024
James Madison University B.S. in Mathematics, Minor in Biology GPA: 3.36; 3.42 in Major	Harrisonburg, VA May 2015

RESEARCH POSITIONS

Ascoli Lab, *Dept. of Bioengineering, George Mason University, Fairfax, VA*
Graduate Student. Developing and Analyzing Neural Network Models
of Hippocampal Area CA3. January 2019–present

PEER-REVIEWED PUBLICATIONS

Kopsick J., Tecuatl C., Moradi K., Attili S., Kashyap H., Xing J., Chen K., Krichmar J., Ascoli G. (2021). Robust resting-state dynamics in a large-scale spiking neural network model of area CA3 in the mouse hippocampus. *Cognitive Computation* In Press.

PRESENTATIONS

- “Robust Resting-State Dynamics in a Large-Scale Spiking Neural Network Model of Area CA3 in the Mouse Hippocampus”
- Colloquium Talk, Center for Neural Informatics, Neural Structures, and Neural Plasticity (CN3), George Mason University, June 2020.
 - Poster Presentation, 6th Annual BRAIN Initiative Investigators Meeting, June 2020.
- “Investigating How Neurons Communicate Through the Power Series Method (PSM)”
- Contributed Session Talk, Joint Mathematics Meeting - Mathematical Association of America Invited Paper Session on Differential Equations and Their Applications to Neuroscience, San Diego, CA, January 2018
 - Colloquium Talk, Department of Mathematics and Statistics Colloquium, James Madison University, March 2017.
 - Contributed Session Talk, SUMS Conference, James Madison University, September 2015.
- “Exploration of 3D printed environments for *Caenorhabditis elegans*”
- Poster Presentation, Mathematical Association of America MD-DC-VA Sectional Meeting, James Madison University, April 2014.
 - Contributed Session Talk, CURM Conference, Brigham Young University, March 2014.
 - Poster Presentation, Joint Mathematics Meetings, Baltimore, MD, January 2014.
 - Contributed Session Talk, Interdisciplinary group meeting between Biology and Mathematics, James Madison University, December 2013.
 - Contributed Session Talk, National Institute for Mathematical and Biological Synthesis (NIMBioS) Conference, University of Tennessee-Knoxville, November 2013.
 - Contributed Session Talk, SUMS Conference, James Madison University, September 2013.
 - Contributed Session Talk, JMU REU, James Madison University, July 2013.

AWARDS AND HONORS

James Madison University Mathematics Department Research Award	April 2015
First Prize Poster Presentation, Mathematical Association of America MD-DC-VA Sectional Meeting	April 2014