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## Journal Articles

- Hwang GM, Kulwatno J, Cruz TH, Chen D, Ajisafe T, **Monaco JD**, Nitkin R, George SM, Lucas C, Zehnder SM, and Zhang L. (*In press*). [Transforming Modeling in Neurorehabilitation: Perspectives and Opportunities from US Funding Agencies](#). *Journal of Neural Engineering Research*
- Levenstein D, Alvarez VA, Amarasingham A, Azab H, Zhe S. Chen, Gerkin RC, Hasenstaub A, Iyer R, Jolivet RB, Marzen S, **Monaco JD**, Prinz AA, Quraishi SA, Santamaria F, Shivkumar S, Singh MF, Traub R, Rotstein HG, Nadim F, and Redish AD. (2023). [On the role of theory and modeling in neuroscience](#). *Journal of Neuroscience*, 43(7), 1074–88. doi: 10.1523/JNEUROSCI.1179-22.2022 [arxiv: 2003.13825]
- Monaco JD** and Hwang GM. (2022). [Neurodynamical computing at the information boundaries of intelligent systems](#). *Cognitive Computation*. doi: 10.1007/s12559-022-10081-9
- Hadzic A, Hwang GM, Zhang K, Schultz KM, and **Monaco JD**. (2022). [Bayesian optimization of distributed neurodynamical controller models for spatial navigation](#). *Array*, 15, 100218. doi: 10.1016/j.array.2022.100218 [arxiv: 2111.00599]
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- Monaco JD**, De Guzman RM, Blair HT, and Zhang K. (2019). [Spatial synchronization codes from coupled rate-phase neurons](#). *PLOS Computational Biology*, 15(1), e1006741. doi: 10.1371/journal.pcbi.1006741 [biorxiv: 10.1101/211458]
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- Monaco JD**, Knierim JJ, and Zhang K. (2011). [Sensory feedback, error correction, and remapping in a multiple oscillator model of place cell activity](#). *Frontiers in Computational Neuroscience*, 5:39. doi: 10.3389/fncom.2011.00039
- Monaco JD** and Abbott LF. (2011). [Modular realignment of entorhinal grid cell activity as a basis for hippocampal remapping](#). *Journal of Neuroscience*, 31(25), 9414–25. doi: 10.1523/jneurosci.1433-11.2011
- Muzzio IA, Levita L, Kulkarni J, **Monaco J**, Kentros CG, Stead M, Abbott LF, and Kandel ER. (2009). [Attention enhances the retrieval and stability of visuospatial and olfactory representations in the dorsal hippocampus](#). *PLOS Biology*, 7(6), e1000140. doi: 10.1371/journal.pbio.1000140
- Monaco JD**, Abbott LF, and Kahana MJ. (2007). [Lexico-semantic structure and the recognition word-frequency effect](#). *Learning & Memory*, 14(3), 204–213. doi: 10.1101/lm.363207

## Conference Papers

- Buckley E, **Monaco JD**, Schultz KM, Chalmers R, Hadzic A, Zhang K, Hwang GM, and Carr MD. (2022). [An interdisciplinary approach to high school curriculum development: Swarming Powered by Neuroscience](#). *Proceedings of 2022 IEEE Integrated STEM Education Conference (ISEC'22)*. [arxiv: 2109.05545]

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## Preprints

**Monaco JD**, Rajan K, and Hwang GM. (2021). [A brain basis of dynamical intelligence for AI and computational neuroscience](#). *ArXiv Preprint*. arxiv:2105.07284

## Thesis

**Monaco JD**. (2009). [Models and mechanisms for integrating cortical feature spaces](#). Doctoral Dissertation, Columbia University, New York. ProQuest Publication No. AAT 3393609 [fullcolor]