

Publications

- Boag, R.J., Innes, R.J., Stevenson, N., **Bahg, G.**, Busemeyer, J.R., Cox, G.E., Donkin, C., Frank, M.J., Hawkins, G.E., Heathcote, A., Hedge, C., Lerche, V., Lilburn, S.D., Logan, G.D., Matzke, D., Miletic, S., Osth, A.F., Palmeri, T.J., Sederberg, P.B., Singmann, H., Smith, P.L., Stafford, T., Steyvers, M., Strickland, L., Trueblood, J.S., Tsetsos, J., Turner, B.M., Usher, M., van Maanen, L., van Ravenzwaaij, D., Vandekerckhove, J., Voss, A., Weichart, E.R., Weindel, G., White, C.N., Evans, N.J., Brown, S.D., Forstmann, B.U. (in press). An expert guide to planning experimental tasks for evidence accumulation modeling. Accepted for publication in *Advances in Methods and Practices in Psychological Science*.
- Bahg, G.**, Sloutsky, V. M., & Turner, B. M. (in press). Algorithmic personalization of information can cause inaccurate generalization and overconfidence. Accepted for publication in *Journal of Experimental Psychology: General*.
- Yoo, M., **Bahg, G.**, Turner, B. M., & Krajchich, I. (2025). People display consistent recency and primacy effects in behavior and neural activity across perceptual and value-based judgments. *Cognitive, Affective, & Behavioral Neuroscience*. <https://doi.org/10.3758/s13415-025-01285-1>
- Weichart, E. R., Evans, D. G., Galdo, M., **Bahg, G.**, & Turner, B. M. (2022). Distributed Neural Systems Enable Flexible Attention Updating during Category Learning. *Journal of Cognitive Neuroscience*, 34, 1761-1779.
- Bahg, G.**, Evans, D. G., Galdo, M., & Turner, B. M. (2020). Gaussian Process Linking Functions for Mind, Brain and Behavior. *Proceedings of the National Academy of Sciences of the United States of America*, 117, 29398-29406.
- Bahg, G.**, Sederberg, P. B., Myung, J., Li, X., Pitt, M., Lu, Z.-L., & Turner, B. M. (2020). Real-time Adaptive Design Optimization within Functional MRI Experiments. *Computational Brain & Behavior*, 3, 400-429.
- Galdo, M., **Bahg, G.**, & Turner, B. M. (2020). Variational Bayesian Methods for Cognitive Science. *Psychological Methods*, 25, 535-559.
- Molloy, M. F., **Bahg, G.**, Lu, Z.-L., & Turner, B. M. (2019). Individual Differences in the Neural Dynamics of Response Inhibition. *Journal of Cognitive Neuroscience*, 31, 1-21.
- Molloy, M. F., Galdo, M., **Bahg, G.**, Liu, Q., & Turner, B. M. (2019). What's in a Response Time?: On the Importance of Response Time Measures in Constraining Models of Context Effects. *Decision*, 6, 171-200.
- Molloy, M. F., **Bahg, G.**, Li, X., Steyvers, M., Lu, Z.-L., & Turner, B. M. (2018). Hierarchical Bayesian analyses for modeling BOLD time series data. *Computational Brain & Behavior*, 2, 184-213.
- Palestro, J. J., **Bahg, G.**, Sederberg, P. B., Lu, Z.-L., Steyvers, M., & Turner, B. M. (2018). A Tutorial on Joint Models of Neural and Behavioral Measures of Cognition. *Journal of Mathematical Psychology*, 84, 20-48.

Publications: Book Chapters

- Turner, B. M., **Bahg, G.**, Galdo, M., & Liu, Q. (2024). Advancements in Joint Modeling of Neural and Behavioral Data. In Forstmann, B. U. & Turner, B. M. (Eds.), *An Introduction to Model-based Cognitive Neuroscience* (2nd ed).

Manuscripts in Progress and under Review

- Bahg, G.**, Cox, G. E., Logan, G. D., Palmeri, T. J., & Schall, J. D. (under review). A neurocomputational model of visual search explains an attention-related event-related potential.