

# BLAIR R. K. SHEVLIN

Postdoctoral Fellow | Center for Computational Psychiatry | Icahn School of Medicine at Mount Sinai  
New York, NY | 267-266-2997 | blairshevin@gmail.com

## Current Position

**Postdoctoral fellow** Center for Computational Psychiatry, Icahn School of Medicine at Mount Sinai, NYC, USA  
Mentors: Xiaosi Gu, Laura Berner

## Education

**The Ohio State University**, Columbus, OH. May 2022

Ph.D. in Decision Psychology

**Towson University**, Towson, MD. May 2017

M.A. in Experimental Psychology

**Goucher College**, Baltimore, MD. May 2013

B.A. in Psychology, Magna Cum Laude

Minors in Cognitive Studies and Philosophy

## Working Papers

**Shevin, B. R. K.**, Giannini, L., Steinglass, J. E., Foerde, K., Lloyd, C., Hagan, K., & Berner, L.A. (Submitted).

*Computations underlying food choice among individuals with bulimia nervosa.*

<https://doi.org/10.31219/osf.io/m85ed>

**Shevin, B. R. K.**, Gwinn, R., Makwana, A., & Krajbich, I. (Submitted). *Overt visual attention modulates value and decision-related signals in ventral and dorsal medial prefrontal cortex.*

**Shevin, B. R. K.**, Krajbich, I., & Steiner, J. (In preparation). *Attention, Outside Options, and Overall Value.*

<https://osf.io/dx4r9>

## Publications

**Shevin, B. R. K.**, Chester, M. A., Qiu, J. L., Lou, S., & Berner, L. A. (Accepted). Self-regulation in eating disorders. In: *Handbook of the Neurobiology of Eating Disorders*. Wierenga, C. E. & Steinglass, J. (Eds). Oxford: Oxford University Press.

Berner, L. A. & **Shevin, B. R. K.** (2024). Restoring weight and brain function: Intrinsic neural activity and connectivity alterations as state markers of anorexia nervosa. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*. <https://doi.org/10.1016/j.bpsc.2024.02.007>

**Shevin, B. R. K.**, Smith, S. M., Hausfeld, J., & Krajbich, I. (2022). Reply to Pirrone and Tsetsos: Robust evidence for enhanced high-value sensitivity. *Proceedings of the National Academy of Sciences*, 119(36), e2209521119.

**Shevin, B. R. K.**, Smith, S. M., Hausfeld, J., & Krajbich, I. (2022). High-value decisions are fast and accurate, inconsistent with diminishing value sensitivity. *Proceedings of the National Academy of Sciences*, 119(6), e2101508119.

**Shevin, B. R. K.**, & Krajbich, I. (2021). Attention as a source of variability in decision-making: Accounting for overall-value effects with diffusion models. *Journal of Mathematical Psychology*, 105, 102594. <https://doi.org/10.1016/j.jmp.2021.102594>

**Shevin, B. R. K.**, & Goodwin, K. A. (2019). Past behavior and the decision to text while driving among young adults. *Transportation Research Part F: Psychology and Behaviour*, 60, 58-67. <https://doi.org/10.1016/j.trf.2018.09.027>

## Invited Talks

## BLAIR R. K. SHEVLIN

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The neurocomputations underlying compulsive-use disorders

2024 – *Invited talk* – University of Gothenburg, Sweden.

2024 – *Invited talk* – UC Luvain, Belgium.

2024 – *Invited talk* – University of Amsterdam, Netherlands.

2024 – *Invited talk* – ISSM, USA.

The role of value in the economic decision-making process

2022 – *Invited talk* – University of Toronto, Canada.

2022 – *Invited talk* – University of Zurich, Switzerland.

2022 – *Invited talk* – Brown University, USA.

Introduction to Decision-Making and the aDDM

2021 – *Guest lecture* – University of Gothenburg, Sweden.

Explicit value cues alter the decision process

2019 – *International Workshop on Brain and Managerial Decision Making* – Zhejiang University, China.

2018 – *Invited talk* – Thurgau Institute of Economics, Switzerland.

Cognitive reflection in undergraduate: Relationships with educational experiences and metacognition

2013 – *Student Symposium* – Goucher College, USA.

### Conference Presentations

**Shevlin, B. R. K.**, Luzyanin, D., Hickey, C., & Konovalov, A. *Bottom-up and top-down attention in value-based choice.*

2024 – Society for Neuroeconomics Annual Meetings – Cascais, Portugal.

2024 – Cognitive Computational Neuroscience, Boston, MA, USA.

**Shevlin, B. R. K.**, Krugel, A., Viore, V., Gu, X., & Berner, L. A. *Assessing the computational mechanisms underlying reward discrimination associated with compulsive eating.*

2024 – Computational Psychiatry Conference, Minneapolis, MN, USA.

**Shevlin, B. R. K.**, Gianini, L., Steinglass, J. E., Foerde, K., Lloyd, C., Hagan, K., & Berner, L. A. *Negative affect and the computations underlying food choice in bulimia nervosa.*

2023 – American College of Neuropsychopharmacology Annual Meeting – Tampa, FL, USA.

2023 – Society for Neuroeconomics Annual Meeting – Vancouver, BC, Canada.

**Shevlin, B. R. K.**, Heflin, M., Fiore, V. G., & Gu, X. *Resilience to childhood trauma facilitates social control.*

2023 – The Friedman Brain Institute Annual Neuroscience Retreat – New York City, NY, USA.

2023 – Computational Psychiatry Conference – Dublin, Ireland.

Fernandez, K., **Shevlin, B. R. K.**, Ratcliff, R., & Krajbich, I. *Exploring the feasibility of across-trial variability in boundary separation.*

2023 – Annual Meeting of the Society for Mathematical Psychology – Amsterdam, Netherlands.

McNeil, N., **Shevlin, B. R. K.**, & Krajbich, I. *What causes enhanced processing of high-value items?*

2022 – Annual Meeting of the Cognitive Science Society – Toronto, Ontario, Canada.

**Shevlin, B. R. K.**, Yang, X., & Krajbich, I. *Attention and choice: A multi-stage process?*

2021 – Society for Neuroeconomics Annual Meeting – Virtual.

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2021 – Interdisciplinary Symposium on Decision Neuroscience – Virtual.

2021 – European Group of Process Tracing Studies – Virtual.

2020 – Society for Neuroeconomics Annual Meeting – Virtual.

**Shevlin, B. R. K.**, & Krajbich, I. *Attention as a source of overall value effects in diffusion models.*

2020 – Annual Meeting of the Society for Mathematical Psychology – Virtual.

**Shevlin, B. R. K.**, Smith, S., Hausfeld, J., & Krajbich, I. *Explicit value cues alter the decision process.*

2019 – Society for Neuroeconomics Annual Meeting – Dublin, Ireland.

2018 – Society for Judgment and Decision Making Annual Conference – New Orleans, LA, USA.

2018 – Society for Neuroeconomics Annual Meetings – Philadelphia, PA, USA.

**Shevlin, B. R. K.** *Cognitive abilities associated with changing perceptions of distracted-driving risk.*

2017 – Psychonomic Society Annual Meeting – Vancouver, BC, Canada.

**Shevlin, B. R. K.** *Cognitive abilities associated with rational decision making.*

2016 – Psychonomic Society Annual Meeting – Boston, MA, USA.

2016 – Towson University Student Research Expo – Towson, MD, USA

**Shevlin, B. R. K.**, McCabe J. A. *Relationship between responses and reaction times on the Cognitive Reflection Test.*

2016 – Eastern Psychological Association – New York City, NY, USA.

**Shevlin, B. R. K.**, McCabe J. A. *Cognitive reflection in undergraduates: Relationships with educational experiences and metacognition.*

2013 – Eastern Psychological Association – New York City, NY, USA.

McCabe, J. A., Chefitz, L. S., **Shevlin, B. R. K.**, & Turpin, S. *Hand gestures and mnemonics: Effects of viewing and enacting.*

2012 – Eastern Psychological Association – Pittsburgh, PA, USA.

### Research Grants

*Decision Sciences Collaborative*, The Ohio State University (\$3000). 2020.

### Awards/Honors:

The Ohio State University, Distinguished University Fellowship. 2017-2018, 2021-2022

Towson University, Distinguished Graduate Student Award. 2017.

Goucher College, Lewent Fund for Summer Research in the Sciences. 2012.

Goucher College, Dean's Scholarship. 2009-2013.

### Teaching Experience

**Instructor:** New York Computational Psychiatry Workshop. New York, NY, USA. 2024.

**Instructor:** Ohio Supercomputing Center Summer Institute, Columbus, OH, USA. 2019.

**Course Assistant:** The Ohio State University Psychology Department, Columbus, OH, USA

**Psychology 1100H (Honors Introduction to Psychology).** Aug. 2020 – Dec. 2020 (1 semester)

**Psychology 3331H (Honors Abnormal Psychology).** Aug. 2020 – Dec. 2020 (1 semester)

**Psychology 3340H (Honors Introduction to Development Psychology).** Aug. 2020 – Dec. 2020 (1 semester)

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**Psychology 4508 (Judgment and Decision Making).** Jan. 2019 – May 2020 (3 semesters)

**Psychology 5870 (Neuroeconomics & Decision Neuroscience).** Jan. 2019 – May 2019 (1 semester)

**Psychology 3550 (Psychology of Childhood Development).** Aug. 2018 – Dec. 2018 (1 semester)

**Teaching Assistant:** Towson University Psychology Department, Towson, MD, USA

**Psychology 212 (Behavioral Statistics).** Jan. 2017 – May 2017 (1 semester)

### Ad-hoc reviewer

Cognition

Cognitive, Affective, and Behavioral Neuroscience

Learning and Memory

Transportation Research Part F: Psychology and Behaviour

### Professional Experience

Graduate Assistant. 2015 – 2017.

**Towson University**, Towson, MD, USA.

Supervisor: Justin Buckingham, PhD.

Research Associate. 2015 – 2017.

**Acclaro Research Solutions, Inc.** Baltimore, MD, USA.

Supervisor: Katherine Fiedler, PhD.

Research Assistant. 2014 – 2015.

**TransAnalytics**, Quakertown, PA, USA.

Supervisor: Loren Staplin, PhD.

AmeriCorps VISTA. 2013 – 2014.

**Habitat for Humanity of the Chesapeake**, Baltimore, MD, USA.

Supervisor: Leila Kohler-Frueh

Research Assistant. 2012 – 2013.

**Behavioral Pharmacology Research Unit**, Johns Hopkins University, Baltimore, MD, USA.

Supervisor: Miriam Mintzer, PhD

### Leadership & Activities

OSU Psychology Graduate Student Diversity, Equity, and Inclusion Committee.

Co-chair: 2020-2022.

Founding member: 2018.

OSU Decision Psychology Student Association.

President. 2019-2022.

Goucher Prison Education Partnership.

Tutor. 2013

Goucher College Ultimate Frisbee Club.

President. 2011-2013.

Member. 2009-2013.

### Professional Affiliations

Association for Psychological Science

Psi Chi Psychology Honors Society

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Psychonomic Society  
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