

Joseph Heffner

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EDUCATION

PhD in Psychology, Brown University

Expected 2022

Supervisor: Dr. Oriel FeldmanHall

BS in Psychology (with Honors), BA in Philosophy, University of Chapel Hill at North Carolina

2009 – 2013

Supervisor: Dr. Keith Payne; Thesis: "Relevance of emotions in morality: Emotion differentiation moderates influences of disgust on moral judgments"

PUBLICATIONS

1. **Heffner, J.**, & FeldmanHall, O. (in press). Reverse engineering emotions in competitive social interactions. *Nature Communications*
2. **Heffner, J.**, & FeldmanHall, O. (revise and resubmit). Model-based planning tunes cooperation rates depending on the context. *Journal of Experimental Psychology: General*.
3. **Heffner, J.**, Son, J., & FeldmanHall, O. (2021). Emotion prediction errors guide socially adaptive behavior. *Nature Human Behavior*
4. **Heffner, J.**, & Vives, M., & FeldmanHall, O. (2021). Anxiety, gender, and social media consumption predict COVID-19 emotional distress. *Humanities and Social Science Communications*
5. **Heffner, J.**, & Vives, M., & FeldmanHall, O. (2021). Emotional responses to prosocial messages increase willingness to self-isolate during the COVID-19 pandemic. *Personality and Individual Differences*, 170
6. **Heffner, J.**, & FeldmanHall, O. (2019). Why we don't always punish: Preference for non-punitive responses to moral violations. *Scientific Reports*, 9, 13219
7. FeldmanHall, O., Son, J., & **Heffner, J.** (2018). Norms and the flexibility of moral action. *Personality Neuroscience*, 1, E15.
8. Schaich Borg, J., Srivastava, S., Lin, L., **Heffner, J.**, Dunson, D., Dzirasa, K., & Lecesa, L. (2017). Rat intersubjective decisions are encoded by frequency-specific oscillatory contexts. *Brain and Behavior*, 7(6), 1-25
9. Strohminger, N., Gray, K., Chituc, V., **Heffner, J.**, & Heagins, T. B. (2016). The MR2: A multi-racial, mega-resolution database of facial stimuli. *Behavior Research Methods*, 48(3), 1187-1204

IN PREP MANUSCRIPTS

1. **Heffner, J.**, & FeldmanHall, O. (in prep). A computational model of concern for others.
2. **Heffner, J.**, Deng, G., & FeldmanHall, O. (in prep). Overexploitation of social partners in abundant resource environments.
3. **Heffner, J.**, & FeldmanHall, O. (in prep). Competitive environments have long-lasting impacts on prosocial choices.
4. **Heffner, J.**, & FeldmanHall, O. (in prep). Economic inequality corrupts moral standards.

INVITED TALKS

1. **Heffner, J.** (2021, April). *Reverse engineering emotions during social interactions*. Talk presented at the Society for Affective Science Conference, online.
2. **Heffner, J.** (2020, December). *Emotion prediction errors guide socially adaptive behavior*. Talk presented at Social and Cognitive Brown Bag Series at Brown University, Providence, RI.
3. **Heffner, J.**, (2020, October). *Emotion prediction errors guide socially adaptive behavior*. Talk presented at the Society for Neuroeconomics, online.
4. **Heffner, J.** (2020, November). *Emotion prediction errors guide socially adaptive behavior*. Talk presented at Harvard University, Cambridge, MA.
5. **Heffner, J.** (2020, July). *Emotional mechanisms support prosocial, but not threat, appeals regarding COVID-19*. Talk presented at the SocialBRIDGES Conference, online
6. **Heffner, J.** (2020, June). *Emotion prediction errors guide socially adaptive behavior*. Talk presented at Brown Unconference, Providence, RI.

7. **Heffner, J.** (2019, September). *Development of wealth-based obligations*. Talk presented at Developmental Brown Bag Series at Brown University, Providence, RI.
8. **Heffner, J.** (2019, July). *The power of emotion prediction errors (and not reward) in biasing social choice*. Talk presented at Northeastern University, Boston, MA.
9. **Heffner, J.** (2018, June). *Emotion prediction errors motivate decisions to punish*. Talk presented at the New England Research on Decision Making, Cambridge, MA.
10. **Heffner, J.** (2017, March). *The power of turning the other cheek: The utility of non-punitive responses to fairness violations*. Talk presented at the New England Research on Decision Making, Providence, RI.

POSTER PRESENTATIONS

1. **Heffner, J., Son, J., Fan, H., & FeldmanHall, O.** (2019, May). *The joy of punishment: Early emotional reactions predict decisions to restore justice*. Poster presented at the Social and Affective Neuroscience Society, Miami, FL.
2. **Heffner, J., & FeldmanHall, O.** (2018, April). *Emotion prediction errors predict decisions to punish*. Poster presented at the Society for Affective Science, Los Angeles, CA.
3. **Heffner, J., Son, J., & FeldmanHall, O.** (2018, March). *Emotion prediction errors predict decisions to punish*. Poster presented at the Mind Brain Research Day, Providence, RI.
4. **Heffner, J., & FeldmanHall, O.** (2018, March). *The Power of Turning the Other Cheek: The Limited Value of Punishment*. Poster presented at the Society for Personality and Social Psychology, Atlanta, GA.
5. **Heffner, J., & FeldmanHall, O.** (2017, March). *Turning the other cheek: The limited utility of punishment*. Poster presented at the Mind Brain Research Day, Providence, RI.
6. **Heffner, J., Cameron, D., & Payne, K.** (2013, April). *Relevance of emotions in morality: Emotion differentiation moderates influences of disgust on moral judgments*. Poster presented at the Celebration of Undergraduate Research, University of North Carolina at Chapel Hill, NC.

GRANTS AND AWARDS

Graduate Award in Brain Science at Brown University (\$57,000)	2020-2021
Carney Institute Brain Science Reproducible Paper Prize at Brown University (\$250)	2020
Travel Award SPSP Annual Convention (\$500)	2018
Duke Institute for Brain Science (DIBS) Incubator Award (\$75,000) <i>Measure Implicit Moral Attitudes Renewal</i> ; Cowrote with Dr. Walter Sinnott-Armstrong	2015 – 2016
Duke Institute for Brain Science (DIBS) Incubator Award (\$120,000) <i>Measure Implicit Moral Attitudes</i> ; Cowrote with Dr. Walter Sinnott-Armstrong	2014 – 2015

TEACHING EXPERIENCE

Teaching Assistant/Guest Lecturer, Core Concepts in Cognitive and Psychological Sciences II Brown University, Cognitive, Linguistics, and Psychological Sciences Department	2018
Teaching Assistant/Guest Lecturer, Human Cognition Brown University, Cognitive, Linguistics, and Psychological Sciences Department	2018
Teaching Assistant/Guest Lecturer, Making Decisions Brown University, Cognitive, Linguistics, and Psychological Sciences Department	2017
Teaching Assistant, Psychological and Philosophical Summer Studies Duke University, Duke Talent Identification Program	2011 – 2013

DEPARTMENTAL SERVICE

Member of Diversity and Inclusion Action Plan, Brown University	2020 – present
Colloquium Organizer, Brown University	2019 – present
Social Cognitive Science Seminar Organizer, Brown University	2018 – 2019
Graduate Student Council (GSC) Representative, Brown University	2018 – 2019

AD HOC REVIEW (* indicates co-reviewer with mentor)

Applied Cognitive Psychology	Biological Psychology*
Current Directions in Psychological Science*	Cyberpsychology
Evolution and Human Behavior	IJHPM
Journal of Experimental Psychology: General	Journal of Experimental Social Psychology
Judgment and Decision Making*	Nature Human Behavior*
Neuropsychopharmacology*	PNAS*
Psychological Science*	Scientific Reports

MENTORING

2016 – 2021 **Brown University.** Providence, RI.

Grace Denning – Honors thesis, Winner of Muriel Fain Sher Premium for Excellence in Psychology for this work

Willy Lee – Honors thesis

Skye Harris – Independent research study affiliated with Princeton Day High School

Eleanor Gorham – Independent research study affiliated with School Without Walls High School

Gregory Wu – Action Potential Advising Program high school mentee