

# Patrick R. Heck, Ph.D.

Curriculum Vitae

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## EDUCATION

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- Psychology – Ph.D.** 2017  
Brown University Department of Cognitive, Linguistic, and Psychological Sciences  
Advisor: Joachim I. Krueger
- Psychology – Sc.M** 2013  
Brown University Department of Cognitive, Linguistic, and Psychological Sciences
- Psychology – B.A.** 2010  
Willamette University Department of Psychology – *Cum Laude*

## EMPLOYMENT

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- Geisinger Health System** Current  
Postdoctoral Fellow in behavioral science, decision-making, and psychology  
Principal Investigators: Christopher Chabris and Michelle Meyer
- Brown University** 2017–2018  
Visiting Assistant Professor  
Department of Cognitive, Linguistic, and Psychological Sciences
- Connecticut College** Spring, 2015  
Visiting Instructor: Department of Psychology

## PEER-REVIEWED JOURNAL ARTICLES

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\* authors contributed equally; # mentored student co-author

- Chabris, C.F., **Heck, P.R.**, Mandart, J., Benjamin, D.J., & Simons, D.J. (in press). No evidence that experiencing physical warmth promotes interpersonal warmth: Two failures to replicate Williams and Bargh (2008). *Social Psychology*.
- Krueger, J.I., **Heck, P.R.**\* (in press). Putting the p value in its place. *The American Statistician*. [[LINK](#)]
- Krueger, J.I., **Heck, P.R.**, & Wagner, D.# (in press). Egocentrism in the volunteer's dilemma. *American Journal of Psychology*. [[LINK](#)]
- Heck, P.R.**, Simons, D.J., & Chabris, C.F. (2018). 65% of Americans believe they are above average in intelligence: Results of two nationally representative surveys. *PLoS ONE*. [[LINK](#)] [[Wall Street Journal Essay](#)] [[Pacific Standard](#)] [[Bloomberg](#)] [[RealClearScience](#)]
- Krueger, J.I., **Heck, P.R.**\* (2018). Testing significance testing. *Collabra: Psychology*, 4, 11. <http://doi.org/10.1525/collabra.108> [[LINK](#)]

**Heck, P.R.**, & Krueger, J.I. (2017). Social perception in the volunteer's dilemma: Role of choice, outcome, and expectation. *Social Cognition*, 35, 497-519. <https://doi.org/10.1521/soco.2017.35.5.497> [LINK]

Krueger, J.I., **Heck, P.R.**, & Asendorpf, J.B. (2017). Self-enhancement: Conceptualization and assessment. *Collabra: Psychology*. <http://doi.org/10.1525/collabra.91> [LINK]

Krueger, J.I., & **Heck, P.R.\*** (2017). The heuristic value of  $p$  in inductive statistical inference. *Frontiers in Psychology*, 8:908. doi: 10.3389/fpsyg.2017.00908 [LINK]

**Heck, P.R.**, & Krueger, J.I. (2016). Social perception of self-enhancement bias and error. *Social Psychology*, 47, 327-339. doi: 10.1027/1864-9335/a000287 [LINK] [Wall Street Journal] [Boston Globe] [Business Insider]

**Heck, P.R.**, & Krueger, J.I. (2015). Self-enhancement diminished. *Journal of Experimental Psychology: General*, 144, 1003-1020. <http://dx.doi.org/10.1037/xge0000105> [LINK]

## OTHER PUBLICATIONS

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Krueger, J.I., **Heck, P.R.**, & Athenstaedt, U. (2018). The search for the self. In Nelson, T. (Ed.), *Getting grounded in social psychology*. New York: Taylor & Francis.

**Heck, P.R.**, & Krueger, J.I. (2017). Rational healing. Review of 'Against empathy: The case for rational compassion' by Bloom, P. *American Journal of Psychology*, 130, 523-526. doi: 10.5406/amerjpsyc.130.4.0523

Krueger, J.I., Evans, A. M., & **Heck, P.R.** (2017). Let me help you help me: Trust between profit and prosociality. In Van Lange, P. A. M., Rockenbach, B., & Yamagishi, T. (Eds.). *Trust in social dilemmas*. New York: Oxford University Press.

**Heck, P.R.**, & Krueger, J.I. (2015). Happiness: A theory of relativity. Review of 'The myths of happiness' by Lyubomirsky, S. *American Journal of Psychology*, 128, 126-128. doi: 10.5406/amerjpsyc.128.1.0125

## MANUSCRIPTS UNDER REVIEW

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**Heck, P.R.**, & Meyer, M.N. (under review). Information avoidance in genetic health: Perceptions, norms, and preferences.

**Heck, P.R.**, & Krueger, J.I. (under review). Self-enhancement errors motivate social projection.

Meyer, M.N., **Heck, P.R.**, Holtzman, G.S., Anderson, S.A., Cai, W., Watts, D., Chabris, C.F. (under review). The A/B illusion: Objecting to experimentally comparing two unobjectionable policies.

## MANUSCRIPTS IN PREPARATION

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**Heck, P.R.**, Chabris, C.F., Benjamin, D.J., & Simons, D.J. Does overconfidence persist despite precise and accurate information about one's skill? A study of tournament chess players.

Krueger, J.I., **Heck, P.R.**, Evans, A.M., DiDonato, T. Social perception in strategic context.

Krueger, J.I., Freestone, D., & **Heck, P.R.** The inductive reasoning model: Rationale and simulation. Visit <http://www.brown.edu/Departments/CLPS/research/irm-simulator> for the model testing and hypothesis generation interface written by Heck, P.R. & Freestone, D.

## ACADEMIC AWARDS

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- 2017 - Deans' Faculty Fellowship:** Research and teaching fellowship at Brown University
- 2015 - Max Planck Research Group:** Summer institute participant and travel award recipient
- 2015 - Peter D. Eimas Research Award:** Brown University CLPS Department
- 2014 - Research and Mentorship Award:** Brown University Sheridan Center for Teaching
- 2011 - Graduate Fellowship:** Brown University CLPS Department
- 2010 - Paul M. Evans Award:** Willamette University – for excellence in Psychology
- 2010 - Senior Certificate:** Willamette University – awarded for institutional service
- 2009 - Summer Science Fellowship:** American Psychological Association
- 2008 - Research Internship:** Macquarie University Department of Cognitive Science

## GRANT APPLICATIONS PREPARED

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Meyer, M. N., **Heck, P. R.**, Buchanan, A., Curry Sturm, A., Rahm, A., & Schmidlen, T. (2018) Nudging cascade testing: Effectiveness and acceptability of a behavioral intervention to increase uptake of genomic counseling and testing for actionable variants by reducing information avoidance. NIH R21 Co-written and submitted with Meyer, M. N.; 60% effort. Scored but not funded.

## CONFERENCE PRESENTATIONS

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### *Peer-Reviewed Conference Presentations*

Meyer, M.N., **Heck, P.R.**, Holtzman, G.S., Anderson, S.A., Cai, W., Watts, D., Chabris, C.F. (2018, June). *The A/B illusion: Objecting to experimentally comparing two unobjectionable policies*. Presented by Chabris, C.F. at Behavioral Decision Research in Management, Cambridge, MA.

Krueger, J.I., & **Heck, P.R.** (2017, October). *The heuristic value of p in inductive statistical inference*. Presented by Krueger, J.I. at the American Statistical Association (ASA) Symposium on Statistical Inference, Bethesda, MD.

Krueger, J.I., & **Heck, P.R.** (2016, September). *Vicissitudes of self-enhancement*. Presented by Krueger, J.I. at the Society for Experimental Social Psychology (SESP), Santa Monica, CA.

Krueger, J.I., Ullrich, J., & **Heck, P.R.** (2016, January). *Egocentrism and prosocial behavior in the volunteer's dilemma*. Presented by **Heck, P.R.** at the Society for Personality and Social Psychology (SPSP), San Diego, CA.

Krueger, J.I., Freestone, D., & Heck, P.R. (2014, July). *Social projection in the inductive reasoning model*. Presented by Krueger, J.I. at the European Association for Social Psychology (EASP), Amsterdam, NL

### **Peer-Reviewed Poster Presentations**

Heck, P.R., & Meyer, M.N. (2018, July). *Judging deliberate ignorance in genetic testing*. Poster accepted for presentation at the Society for Philosophy and Psychology (SPP). Ann Arbor, MI.

Heck, P.R. (2018, March). *Perceived prevalence and motivation in self-enhancement bias and error*. Poster presented at the Society for Personality and Social Psychology (SPSP) and at the Social Cognition preconference. Atlanta, GA.

Heck, P.R., & Krueger, J.I. (2017, November). *Misery loves company when estimating bias and error in others*. Presented at the Society for Judgment and Decision Making (SJDM), Vancouver, BC.

Heck, P.R., & Krueger, J.I. (2016, November). *Social perception and outcome bias in the volunteer's dilemma*. Presented at the Society for Judgment and Decision Making (SJDM), Boston, MA.

Heck, P.R., & Elia, J.<sup>#</sup> (2016, January). *Trust as a social norm: Observers ignore distrust but pay to reward trusting behavior*. Presented at the Society for Personality and Social Psychology (SPSP), San Diego, CA.

Heck, P.R., & Krueger, J.I. (2015, February). *Perceptions of morality and competence in genuine self-enhancement bias*. Presented at the Society for Personality and Social Psychology (SPSP), Long Beach, CA.

Heck, P.R., & Krueger, J.I. (2014, February). *Measuring true self-enhancement bias: a classification analysis*. Presented at the Society for Personality and Social Psychology (SPSP), Austin, TX.

Heck, P.R., & Krueger, J.I. (2013, January). *Measuring self-enhancement in the context of assessment ability and performance*. Presented at the Society for Personality and Social Psychology (SPSP), New Orleans, LA.

Brock, J., Johnson, B., Sowman, P., Calacouris, S., & Heck, P.R. (2010, April). *A magnetoencephalography (MEG) study of oscillatory brain responses to spoken words*. Presented at the Australasian Experimental Psychology Conference, Melbourne, VIC, Australia.

Robbins, R.A., & Heck, P.R. (2009, May). *Brad Pitt & Jude Law: Individual-contingent face aftereffects and norm- versus exemplar-based models of face-space*. Presented at Vision Sciences Society (VSS), Naples, FL.

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<sup>#</sup> Mentored student co-author

## INVITED PRESENTATIONS

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**Heck, P.R.** (2017, October). *Moral and social perceptions of deliberate ignorance in responding to self-relevant genomic information*. Presented at the Moral Psychology Research Group meeting at the Rock Ethics Institute, State College, PA.

**Heck, P.R., & Meyer, M.N.** (2017, October). *The role of deliberate ignorance in genomic decision-making for patients with returnable results*. Presented at the bi-annual meeting of the Electronic Medical Records and Genomics (eMERGE) Network at the National Human Genome Research Institute, Bethesda, MD.

**Heck, P.R.** (2017, August). *Confidence and overconfidence*. Presented at the Institute for Autism and Developmental Medicine, Geisinger Health System, Lewisburg, PA.

Krueger, J.I., & **Heck, P.R.** (2017, March; equal contribution). *The heuristic value of p in inductive statistical inference*. Presented by Krueger, J.I. at the Max Planck Institute for Adaptive Behavioral and Cognition.

**Heck, P.R.** (2016, March). *Prosociality and egocentrism in the volunteer's dilemma: Behavior, perception, and expectation/outcome effects*. Presented at the Social/Cognitive Science Brown Bag Speaker series at Brown University, Providence, RI.

Krueger, J.I., Ullrich, J., & **Heck, P.R.** (2016, February-March). *Egocentrism and prosocial behavior in the volunteer's dilemma*. Presented by Krueger, J.I. at Universities in Leuven, Potsdam, and Berlin.

**Heck, P.R.** (2014, October). *Measurement and perception of genuine self-enhancement bias*. Presented for Psychology Department Colloquium Series at Connecticut College, New London, CT.

**Heck, P.R.** (2013, November). *Measuring genuine self-enhancement bias*. Presented at the Social/Cognitive Science Brown Bag Speaker series at Brown University, Providence, RI.

**Heck, P.R.** (2013, August). *Measuring true self-enhancement bias: a classification analysis*. Presented at the Psychology department Colloquium Series at University of Graz, Austria.

**Heck, P.R.** (2009, April). *EEG and fMRI accounts of neural decoding in a motion recognition task*. Presented to the science directorate for the American Psychological Association, Washington, D.C.

## POPULAR SCIENCE WRITING

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"You're Not as Smart as You Think: Perils and Benefits of Overconfidence." *The Wall Street Journal*. Co-written with Christopher Chabris, 20 July 2018. [\[LINK\]](#)

"Bragging rights: when beating your own drum helps (or hurts)." *Aeon Magazine of Ideas and Culture*, 10 November 2016. [\[LINK\]](#)

## PRESS COVERAGE

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[“Americans stubbornly continue to overestimate their intelligence.”](#) *Pacific Standard*, 27 July, 2018.

[“65% of Americans think they are more intelligent than average.”](#) *RealClearScience*, 5 July 2018.

[“People who boast about their IQ are losers.”](#) *The Atlantic*, 11 October 2017.

[“When is it OK to brag?”](#) *The Wall Street Journal*, 5 December 2016.

[“Go ahead, brag. As long as you’re actually good.”](#) *Boston Globe*, 17 October 2016.

[“Scientists figured out when bragging can help you, and when you should stay humble”](#) *Business Insider*, 14 October, 2016.

[“Study evaluates how society assesses braggarts”](#) *Brown Daily Herald*, 11 October, 2016.

[“Bragging as a strategy: what boasting buys, and costs, a candidate”](#) *News from Brown*, 5 October, 2016.

## TEACHING EXPERIENCE

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### Courses Taught as Instructor of Record

<i>CLPS 1782: The Social Self</i> (Brown University)	Spring, 2017
<i>PSY 493E: Social Judgment and Decision Making</i> (Connecticut College)	Spring, 2015
<i>CEPY 0944: Game Theory in Social Decision-Making</i> (Brown University)	Summer, 2014

**Teaching Assistantship** (Brown University) 2012–2016

*CLPS 2908* (Graduate): *Multivariate Statistics*  
*CLPS 0700* (two terms): *Social Psychology* (Lectures: Self-Enhancement; Egocentrism)  
*CLPS 1791* (Section leader): *Laboratory in Personality and Clinical Assessment*  
*CLPS 1790* (Section leader): *Laboratory in Social Cognition* (Lecture: Social Perception)  
*CLPS 0900* (two terms): *Quantitative Methods in Psychology* (Lectures: Linear Regression; Sampling Distributions; Variance & Covariance; Correlation Coefficients)

### Certificates in Teaching

(The Sheridan Center for Teaching and Learning, Brown University)

Certificate V – Principles and Practice in Reflective Mentorship	2015
Certificate III – The Professional Development Seminar	2015
Certificate II – The Course Design Seminar: Principles and Practice	2014
Certificate I – Reflective Teaching	2013

### Psychology Department Tutor

(Willamette University)

*PSY 252/253* (four terms): *Research Methods and Statistics I & II*  
*PSY 210* (three terms): *Introduction to Psychology*

## SERVICE

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### Ad Hoc Reviewer (completed reviews in parentheses)

*Journal of Personality and Social Psychology* (1); *The American Statistician* (2); *British Journal of Social Psychology* (1); *Social Psychological and Personality Science* (1); *Journal of Experimental Social Psychology* (2); *Social Cognition* (2); *European Journal of Personality* (1); *Meta-Psychology* (1); *Applied Cognitive Psychology* (1); *Psychological Reports* (3); *PLoS One* (1); *Scandinavian Journal of Psychology* (1)

**Volunteer Reviewer:** Society for Personality and Social Psychology  
Single Presenter Submissions; Student Poster Awards

### Elected/Nominated Positions

Co-Organizer: Brown University Social/Cognitive Science Brown Bag series	2014–2016
Graduate Student Liaison to Brown University's Sheridan Center for Teaching	2013–2017
Brown University Graduate Student Department Representative to the Faculty	2012–2013

## SKILLS & PROFICIENCIES

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R (visualization, data analysis, simulation)  
 MATLAB computing software (simulation, data analysis, experimental programming)  
 Open Science Framework (OSF)  
 IBM Statistical Package for the Social Sciences (SPSS)  
 Amazon Mechanical Turk crowdsourcing platform  
 TurkGate & TurkPrime Mechanical Turk screening and workflow software  
 Qualtrics online survey platform  
 Limesurvey open-source survey platform  
 Microsoft Office Suite (Excel, Word, Powerpoint, Outlook)  
 Adobe Creative Cloud (Photoshop, Illustrator, Audition)  
 E-Prime experimental design software  
 Focus group research & free-response coding  
 Population weighting of survey data and large samples

**REFERENCES**

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**Christopher Chabris** – Collaborator; Postdoctoral Advisor  
Institute for Autism and Developmental Medicine, Geisinger Health System  
120 Hamm Dr., Lewisburg, PA 17837  
[chabris@gmail.com](mailto:chabris@gmail.com)

**Michelle Meyer** – Collaborator; Postdoctoral Advisor  
Center for Translational Bioethics and Health Care Policy, Geisinger Health System  
100 N. Academy Ave, Danville, PA 17822  
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**Joachim Krueger** – Collaborator; PhD Advisor  
Brown University CLPS Department  
190 Thayer St., Providence, RI 02912  
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**Bertram Malle** – Teaching Mentor; Dissertation Committee Member  
Brown University CLPS Department  
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**Fiery Cushman** – Collaborator; Dissertation Committee Member  
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