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EDUCATION 2006-2009 Ph.D., Harvard University, Systems Biology
 2000-2004 B.A., Cornell University *summa cum laude*, Computational Biology

PROFESSIONAL *Massachusetts Institute of Technology*
2019- Erwin H. Schell Professorship
2018- Associate Professor (tenured) of Management Science, Sloan School
2018- Secondary appointment, Department of Brain and Cognitive Sciences
2018- Affiliated faculty, Institute for Data, Systems, and Society

Yale University
2017-2018 Associate Professor (tenured) – Psychology Department
2016-2017 Associate Professor (untenured) – Psychology Department
2013-2016 Assistant Professor – Psychology Department
2013-2018 Appointment by courtesy, Economics Department
2013-2018 Appointment by courtesy, School of Management
2013-2018 Cognitive Science Program
2013-2018 Institution for Social and Policy Studies
2013-2018 Yale Institute for Network Science

Applied Cooperation Team (ACT)
2013- Director

Harvard University
2012-2013 Postdoctoral Fellow – Psychology Department
2011 Lecturer – Human Evolutionary Biology Department
2010-2012 FQEB Prize Fellow – Psychology Department
2009-2013 Research Scientist – Program for Evolutionary Dynamics
2009-2011 Fellow – Berkman Center for Internet & Society
2006-2009 Ph.D. Student – Systems Biology

2004-2006 Mathematical Modeler – Gene Network Sciences, Ithaca NY
2003-2004 Undergraduate Research Assistant – Psychology, Cornell University
2002-2004 Undergraduate Research Assistant – Plant Biology, Cornell University

SELECTED PUBLICATIONS

[*Equal contribution]

- Mosleh M, Arechar AA, Pennycook G, **Rand DG** (In press) Cognitive reflection correlates with behavior on Twitter. *Nature Communications*.
- Bago B, **Rand DG**, Pennycook G (2020) Fake news, fast and slow: Deliberation reduces belief in false (but not true) news headlines. *Journal of Experimental Psychology: General*. doi:10.1037/xge0000729
- Dias N, Pennycook G, **Rand DG** (2020) Emphasizing publishers does not effectively reduce susceptibility to misinformation on social media. *HKS Misinformation Review*. doi:10.37016/mr-2020-001
- Finkel EJ, Bail CA, Cikara M, Ditto PH, Iyengar S, Klar S, Mason L, McGrath MC, Nyhan B, **Rand DG**, Skitka LJ, Tucker JA, Van Bavel JJ, Wang CS, Druckman JN (2020) Political sectarianism in America: A poisonous cocktail of othering, aversion, and moralization. *Science*. DOI:10.1126/science.abe1715
- Mosleh M, Kyker K, Cohen JD, **Rand DG** (2020) Globalization and the Rise and Fall of Cognitive Control. *Nature Communications*. 11, 3099

- Pennycook G, McPhetres J, Zhang Y, Lu J, **Rand DG** (2020) Fighting COVID-19 misinformation on social media: Experimental evidence for a scalable accuracy nudge intervention. *Psychological Science*. doi:10.1177/0956797620939054
- Pennycook G, Bear A, Collins E, **Rand DG** (2020) The Implied Truth Effect: Attaching warnings to a subset of fake news headlines increases perceived accuracy of headlines without warnings. *Management Science*. doi:10.1287/mnsc.2019.3478
- Tappin BM, Pennycook G, **Rand DG** (2020) Rethinking the link between cognitive sophistication and identity-protective bias in political belief formation. *Journal of Experimental Psychology: General*. <https://doi.org/10.1037/xge0000974>
- Stewart A, Mosleh M, Diakonova M, Arechar AA, **Rand DG**, Plotkin J (2019) Information gerrymandering and undemocratic decisions. *Nature*. doi:10.1038/s41586-019-1507-6
- Pennycook G, **Rand DG** (2019) Fighting misinformation on social media using crowdsourced judgments of news source quality. *PNAS*. doi:10.1073/pnas.1806781116
- Pennycook G., **Rand DG** (2019) Lazy, not biased: Susceptibility to partisan fake news is better explained by lack of reasoning than by motivated reasoning. *Cognition*. doi: 10.1016/j.cognition.2018.06.011
- Peyton K, Sierra-Arevalo, **Rand DG** (2019) A randomized control trial examining community policing and police legitimacy. *PNAS*. doi:10.1073/pnas.1910157116
- Jordan JJ, **Rand DG** (2019) Signaling When No One Is Watching: A Reputation Heuristics Account of Outrage and Punishment in One-shot Anonymous Interactions. *Journal of Personality and Social Psychology*. doi:10.1037/pspi0000186
- Yoeli E, Rathauer J, Bhanot S, Kimenyi M, Mailu E, Masini E, Owiti P, **Rand DG** (2019) Mobile Self-verification and Support to Augment Tuberculosis Treatment. *New England Journal of Medicine*. doi:10.1056/NEJMc1806550
- Kraft-Todd GT, Bollinger B, Gillingham K, Lamp S, **Rand DG** (2018) Credibility-Enhancing Displays Promote the Provision of Non-Normative Public Goods. *Nature*. doi:10.1038/s41586-018-0647-4
- Pennycook G, Cannon T, **Rand DG** (2018) Prior Exposure Increases Perceived Accuracy of Fake News. *Journal of Experimental Psychology: General*. doi:10.1037/xge0000465
- Levine EE, Barasch A, **Rand DG**, Berman JZ, Small DA (2018) Signaling Emotion and Reason in Cooperation. *Journal of Experimental Psychology: General*, **147**, 702-719.
- Jordan JJ, Sommers R, Bloom P, **Rand DG** (2017) Why do we hate hypocrites? Evidence for a theory of false signaling. *Psychological Science*. doi: 10.1177/0956797616685771
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- Evans AM, Dillon KD, **Rand DG** (2015) Fast but not intuitive, slow but not reflective: Decision conflict drives reaction times in social dilemmas. *Journal of Experimental Psychology: General*, **144** 951-966.
- Nishi A, Shirado H, **Rand DG**, Christakis NA (2015) Inequality and visibility of wealth in experimental social networks. *Nature*, **526** 426-429.
- Gray K*, **Rand DG***, Ert E, Hershman S, Norton MI (2014) The emergence of “Us and Them” in 80 lines of code: Modeling group genesis in homogeneous populations. *Psychological Science*, **25** 982-990.
- Hauser OP*, **Rand DG***, Peysakhovich A, Nowak MA (2014). Cooperating with the future. *Nature*, **511** 220-223.
- Peysakhovich A, Nowak MA, **Rand DG** (2014) Humans display a “Cooperative Phenotype” that is domain general and temporally stable. *Nature Communications*, **5** 4939.
- Rand DG***, Peysakhovich A*, Kraft-Todd GT, Newman GE, Wurzbacher O, Nowak MA, Greene JD (2014) Social heuristics shape intuitive cooperation. *Nature Communications*, **5** 3677.

- Rand DG**, Nowak MA, Fowler JH, Christakis NA (2014) Static network structure can stabilize human cooperation. *PNAS*, **111** 17093–17098.
- Rand DG**, Nowak MA (2013) Human cooperation. *Trends in Cognitive Sciences*, **17** 413-425.
- Rand DG***, Tarnita CE*, Ohtsuki H, Nowak MA (2013) Evolution of fairness in the one-shot anonymous Ultimatum Game. *PNAS*, **110** 2581-2586.
- Yoeli E, Hoffman M, **Rand DG**, Nowak MA. (2013) Powering up with indirect reciprocity in a large-scale field experiment. *PNAS*, **110** 10424-10429.
- Fudenberg D*, **Rand DG***, Dreber A (2012) Slow to anger and fast to forgive: Cooperation in an uncertain world. *American Economic Review*, **102** 720-749.
- Rand DG**, Greene JD*, Nowak MA* (2012) Spontaneous giving and calculated greed. *Nature*, **498** 427-430.
- Shenhav A*, **Rand DG***, Greene JD (2012) Divine intuition: cognitive style influences belief in God. *Journal of Experimental Psychology: General*, **131** 423-428.
- van Veelen M*, Garcia J*, **Rand DG**, Nowak MA (2012) Direct reciprocity in structured populations. *PNAS*, **109** 9929-9934.
- Beale N*, **Rand DG***, Battey H, Croxson K, May R, Nowak MA (2011) Individual versus systemic risk and the Regulator's Dilemma. *PNAS*, **108** 12647-12652.
- Rand DG***, Arbesman S*, Christakis NA (2011) Dynamic networks promote cooperation in experiments with humans. *PNAS*, **108** 19193-19198.
- Rand DG**, Nowak MA. (2011) The evolution of antisocial punishment in optional public goods games. *Nature Communications*. **2** 434.
- Rand DG***, Dreber A*, Ellingsen T, Fudenberg D, Nowak MA (2009) Positive interactions promote public cooperation. *Science*, **325** 1272-1275.
- Rand DG***, Pfeiffer T*, Dreber A, Sheketoff RW, Wernerfelt NC, Benkler Y (2009) Dynamic remodeling of in-group bias during the 2008 presidential election. *PNAS*, **106** 6187-6191.
- Dreber A*, **Rand DG***, Fudenberg D, Nowak MA (2008) Winners don't punish. *Nature*, **452** 348-351.

ALL PUBLICATIONS

Peer-reviewed publications

1. Kraft-Todd GT, **Rand DG** (In press) Practice What You Preach: Credibility-Enhancing Displays and the Growth of Open Science. *OBHDP*.
2. Martel C, Mosleh M, **Rand DG** (In press) You're definitely wrong, maybe: Correction style has minimal effect on corrections of misinformation online. *Media and Communication*.
3. McPhetres J, **Rand DG**, Pennycook G (In press) Character Deprecation in Fake News: Is it in Supply or Demand? *Group Processes & Intergroup Relations*.
4. Mosleh M, Arechar AA, Pennycook G, **Rand DG** (In press) Cognitive reflection correlates with behavior on Twitter. *Nature Communications*.
5. Peysakhovich A, **Rand DG** (In press) Machine learning as a tool for principled investigation of experimental moderators: A case study using in-group favoritism caused by Pokémon Go. *Scientific Reports*.
6. Bago B, **Rand DG**, Pennycook G (2020) Fake news, fast and slow: Deliberation reduces belief in false (but not true) news headlines. *Journal of Experimental Psychology: General*. doi:10.1037/xge0000729
7. Dias N, Pennycook G, **Rand DG** (2020) Emphasizing publishers does not effectively reduce susceptibility to misinformation on social media. *Misinformation Review*. doi:10.37016/mr-2020-001
8. Epstein Z, Levine S, **Rand DG**, Rahwan I (2020) Who gets credit for AI-generated art? *iScience*. <https://doi.org/10.1016/j.isci.2020.101515>
9. Epstein Z, Pennycook G, **Rand DG** (2020) Will the crowd game the algorithm? Using layperson judgments to combat misinformation on social media by downranking distrusted sources. *CHI '20: Proceedings of the 2020 CHI Conference on Human Factors in Computing Systems*. doi:10.1145/3313831.3376232
10. Finkel EJ, Bail CA, Cikara M, Ditto PH, Iyengar S, Klar S, Mason L, McGrath MC, Nyhan B, **Rand DG**, Skitka LJ, Tucker JA, Van Bavel JJ, Wang CS, Druckman JN (2020) Political sectarianism in America: A poisonous cocktail of othering, aversion, and moralization. *Science*. DOI:10.1126/science.abe1715
11. Georg S, **Rand DG**, Walkowitz G (2020) Framing Effects in the Prisoner's Dilemma but not in the Dictator Game. *Journal of the Economic Science Association*, **6**, 1–12
12. Lewandowsky S, Cook J, Ecker UKH, Albarracín D, Amazeen MA, Kendeou P, Lombardi D, Newman EJ, Pennycook G, Porter E, **Rand DG**, Rapp DN, Reifler J, Roozenbeek J, Schmid P, Seifert CM, Sinatra GM,

- Swire-Thompson B, van der Linden S, Vraga EK, Wood TJ, Zaragoza MS (2020) The Debunking Handbook 2020. Available at <https://sks.to/db2020>. DOI: 10.17910/b7.1182
13. Martel C, Pennycook G, **Rand DG** (2020) Reliance on emotion promotes belief in fake news. *Cognitive Research: Principles and Implications*, 5, 47 <https://doi.org/10.1186/s41235-020-00252-3>
 14. Mosleh M, Kyker K, Cohen JD, **Rand DG** (2020) Globalization and the Rise and Fall of Cognitive Control. *Nature Communications*. 11, 3099
 15. Mosleh M, Pennycook G, **Rand DG** (2020) Self-reported willingness to share political news articles in online surveys correlates with actual sharing on Twitter. *PLOS ONE* 15(2): e0228882
 16. Mosleh M, Stewart A, Plotkin J, **Rand DG** (2020) Prosociality in an economic Dictator Game is associated with less parochialism and greater willingness to vote for intergroup compromise. *Judgment and Decision Making* 15(1): 1-6.
 17. Pennycook G, Bear A, Collins E, **Rand DG** (2020) The Implied Truth Effect: Attaching warnings to a subset of fake news headlines increases perceived accuracy of headlines without warnings. *Management Science*. doi:10.1287/mnsc.2019.3478
 18. Pennycook G, McPhetres J, Zhang Y, Lu J, **Rand DG** (2020) Fighting COVID-19 misinformation on social media: Experimental evidence for a scalable accuracy nudge intervention. *Psychological Science*. doi:10.1177/0956797620939054
 19. Tappin B, Pennycook G, **Rand DG** (2020) Thinking clearly about causal inferences of politically motivated reasoning: Why paradigmatic study designs often prevent causal inference. *Current Opinion in Behavioral Sciences* 34: 81-87.
 20. Tappin BM, Pennycook G, **Rand DG** (2020) Bayesian or biased? Analytic thinking and political belief updating. *Cognition*.
 21. Tappin BM, Pennycook G, **Rand DG** (2020) Rethinking the link between cognitive sophistication and identity-protective bias in political belief formation. *Journal of Experimental Psychology: General*. <https://doi.org/10.1037/xge0000974>
 22. Van Bavel et al. (2020) Using social and behavioural science to support COVID-19 pandemic response. *Nature Human Behaviour*. doi:10.1038/s41562-020-0884-z
 23. Almaatouq AM, Kraft P, Dunham Y, **Rand DG**, Pentland AS (2019) Turkers of the World Unite: Multilevel In-Group Bias Amongst Crowdworkers On Amazon Mechanical Turk. *Social Psychology and Personality Science*. doi:10.1177/1948550619837002
 24. Bear A, **Rand DG** (2019) Can strategic ignorance explain the evolution of love? *Topics in Cognitive Science*. <https://doi.org/10.1111/tops.12342>
 25. Bronstein MV, Pennycook G, Bear A, **Rand DG**, Cannon TD (2019) Belief in Fake News is Associated with Delusionality, Dogmatism, Religious Fundamentalism, and Reduced Analytic Thinking. *Journal of Applied Research in Memory & Cognition*. doi:10.1016/j.jarmac.2018.09.005
 26. Capraro V, Schulz J, Rand DG (2019) Time Pressure Increases Honesty in a Deception Game. *Journal of Behavioral and Experimental Economics*. doi:10.1016/j.socec.2019.01.007
 27. De keersmaecker J, Dunning D, Pennycook G, **Rand DG**, Sanchez C, Unkelbach C, Roets A (2019) Investigating the robustness of the illusory truth effect across individual differences in cognitive ability, need for cognitive closure, and cognitive style. *Personality and Social Psychology Bulletin*.
 28. Dunham Y, Arechar AA, **Rand DG** (2019) From Foe to Friend and Back Again: The Temporal Dynamics of Intra-Party bias in the 2016 U.S. Presidential Election. *Judgment and Decision-Making*.
 29. Fazio L, Pennycook G, **Rand DG** (2019) Repetition increases perceived truth equally for plausible and implausible statements. *Psychonomic Bulletin & Review*. doi:10.3758/s13423-019-01651-4
 30. Hauser OP, Kraft-Todd GT, **Rand DG**, Nowak MA, Norton M (2019) The Positive Individual and Group Consequences from Revealing Inequality. *Behavioural Public Policy*. doi:10.1017/bpp.2019.4
 31. Jordan JJ, **Rand DG** (2019) Signaling When No One Is Watching: A Reputation Heuristics Account of Outrage and Punishment in One-shot Anonymous Interactions. *Journal of Personality and Social Psychology*. doi:10.1037/pspi0000186
 32. Jordan MR, Dickens WT, Hauser OP, **Rand DG** (2019) The role of inequity aversion in microloan defaults. *Behavioural Public Policy*. doi:10.1017/bpp.2019.29
 33. Köbis NC, Verschuere B, Bereby-Meyer Y, **Rand DG**, Shalvi S. (2019) Intuitive honesty versus dishonesty: Meta-analytic evidence. *Perspectives on Psychological Science*. doi:10.1177/1745691619851778
 34. Kraft-Todd GT, **Rand DG** (2019) Rare and costly prosocial behaviors are perceived as heroic. *Frontiers in Psychology*. doi:10.3389/fpsyg.2019.00234

35. Littman R, Estrada S, Stagnaro MN, Dunham Y, **Rand DG**, Baskin-Sommers A (2019) Community Violence and Prosociality: Experiencing and Committing Violence Predicts Norm-Enforcing Punishment but Not Cooperation. *Social Psychology and Personality Science*.
36. Martin JW*, Jordan JJ*, **Rand DG**, Cushman F (2019) When do we punish people who don't? *Cognition*. doi:10.1016/j.cognition.2019.104040
37. Pennycook G, **Rand DG** (2019) Fighting misinformation on social media using crowdsourced judgments of news source quality. *PNAS*. doi:10.1073/pnas.1806781116
38. Pennycook G, **Rand DG** (2019) Who Falls for Fake News? The Roles of Bullshit Receptivity, Overclaiming, Familiarity, and Analytic Thinking. *Journal of Personality*. doi:10.1111/jopy.12476
39. Pennycook G, **Rand DG** (2019) Cognitive reflection and the 2016 U.S. Presidential Election *Personality and Social Psychology Bulletin*. doi:10.1177/0146167218783192
40. Pennycook G., **Rand DG** (2019) Lazy, not biased: Susceptibility to partisan fake news is better explained by lack of reasoning than by motivated reasoning. *Cognition*. <https://doi.org/10.1016/j.cognition.2018.06.011>
41. Peyton K, Sierra-Arevalo, **Rand DG** (2019) A randomized control trial examining community policing and police legitimacy. *PNAS*. doi:10.1073/pnas.1910157116
42. Stagnaro MN, Arechar AA, **Rand DG** (2019) Are those who believe in God actually more prosocial? *Religion, Brain and Behavior*.
43. Stagnaro MN, Ross RM, Pennycook G, **Rand DG** (2019) Cross-cultural support for a link between analytic thinking and disbelief in God: Evidence from India and the United Kingdom. *Judgment and Decision-Making*.
44. Stewart A, Mosleh M, Diakonova M, Arechar AA, **Rand DG**, Plotkin J (2019) Information gerrymandering and undemocratic decisions. *Nature*. doi: 10.1038/s41586-019-1507-6
45. Yoeli E, Rathauer J, Bhanot S, Kimenyi M, Mailu E, Masini E, Owiti P, **Rand DG** (2019) Mobile Self-verification and Support to Augment Tuberculosis Treatment. *New England Journal of Medicine*. doi: 10.1056/NEJMc1806550
46. Amir D, Jordan MR, **Rand DG** (2018) An Uncertainty Management Perspective on Long-Run Impacts of Adversity: The Influence of Childhood Socioeconomic Status on Risk, Time, and Social Preferences. *Journal of Experimental Social Psychology*. doi: 10.1016/j.jesp.2018.07.014
47. Arechar AA, Kouchaki M, **Rand DG** (2018) Examining spillovers between long and short repeated Prisoner's Dilemma games played in the laboratory. *Games*, **9**, 5; doi:10.3390/g9010005.
48. Bhanot SP, Kraft-Todd GT, **Rand DG**, Yoeli E (2018) Putting Social Rewards and Identity Salience to the Test: Evidence from a Field Experiment on Teachers in Philadelphia. *Journal of Behavioral Public Administration*, **1**, 1-8.
49. Capraro V, **Rand DG** (2018) Do the Right Thing: Experimental evidence that preferences for moral behavior, rather than equity or efficiency per se, drive human prosociality. *Judgment and Decision-Making*, **13** 99-111.
50. Evans AM, **Rand DG** (2018) Cooperation and decision time. *Current Opinion in Psychology*. doi: <https://doi.org/10.1016/j.copsyc.2018.05.007>
51. Jordan MR, **Rand DG** (2018) The Role of Character Strengths in Economic Decision-Making. *Judgment and Decision-Making*.
52. Kraft-Todd GT, Bollinger B, Gillingham K, Lamp S, **Rand DG** (2018) Credibility-Enhancing Displays Promote the Provision of Non-Normative Public Goods. *Nature*. doi:10.1038/s41586-018-0647-4
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54. Pennycook G, Cannon T, **Rand DG** (2018) Prior Exposure Increases Perceived Accuracy of Fake News. *Journal of Experimental Psychology:General*. doi:10.1037/xge0000465
55. Mosleh M, **Rand DG** (2018) Structured populations promote the evolution of intuitive cooperation and inhibit deliberation. *Scientific Reports*, doi:10.1038/s41598-018-24473-1
56. Reiter JG, Hilbe C, **Rand DG**, Chatterjee K, Nowak MA (2018) Crosstalk in concurrent repeated games impedes direct reciprocity and requires stronger levels of forgiveness. *Nature Communications*, **9**, 555.
57. Stagnaro MN, Pennycook G, **Rand DG** (2018) Performance on the Cognitive Reflection Test is stable across time. *Judgment and Decision-Making*.
58. Verschuere B, Kobis N, Bereby-Meyer Y, **Rand DG**, Shalvi S (2018) Taxing the brain to uncover lying? Meta-analyzing the effect of cognitive load on the reaction time costs of lying. *Journal of Applied Research in Memory & Cognition*. doi:10.1016/j.jarmac.2018.04.005
59. Whitaker RM, Colombo GB, **Rand DG** (2018) Indirect Reciprocity and the Evolution of Prejudicial Groups. *Scientific Reports*. doi:10.1038/s41598-018-31363-z

60. Arechar AA, Dreber A, Fudenberg D, **Rand DG** (2017) “I’m just a soul whose intentions are good”: Communication in noisy repeated games. *Games and Economic Behavior*, doi:10.1016/j.geb.2017.06.013
61. Arechar AA, Kraft-Todd GT, **Rand DG** (2017) Turking Overtime: How Participant Characteristics and Behavior Vary Over Time and Day on Amazon Mechanical Turk. *J Econ Sci Assoc*. doi:10.1007/s40881-017-0035-0
62. Bear A, Kagan A, **Rand DG** (2017) Co-evolution of Cooperation and Cognition: The Impact of Imperfect Deliberation and Context-Sensitive Intuition. *Proc Roy Soc B*. doi:10.1098/rspb.2016.2326
63. Eshghi S, Williams G, Colombo GB, Turner LD, **Rand DG**, Whitaker RM, Tassioulas L (2017) Stability and fracture of social groups. *Proceedings of the 55th Annual Allerton Conference on Communication, Control and Computing*.
64. Jackson JC, **Rand DG**, Lewis K, Norton M, Gray K (2017) Agent-Based Modeling in Social Psychology. *Social Psychology and Personality Science*. doi:10.1177/1948550617691100
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66. Jordan JJ, Sommers R, Bloom P, **Rand DG** (2017) Why do we hate hypocrites? Evidence for a theory of false signaling. *Psychological Science*. doi:10.1177/0956797616685771
67. Jordan MR*, Jordan JJ*, **Rand DG** (2017) No unique effect of intergroup competition on cooperation: Non-competitive thresholds are as effective as competitions between groups for increasing human cooperative behavior. *Evolution & Human Behavior*, **38** 102-108.
68. Nishi A, Christakis NA, **Rand DG**. (2017) Cooperation, decision time, and culture: Online experiments with American and Indian participants. *PLoS ONE*. 12(2): e0171252.
69. Perc M, Jordan JJ, **Rand DG**, Wang Z, Boccaletti S, Szolnoki A (2017) Statistical physics of human cooperation. *Physics Reports*. doi:10.1016/j.physrep.2017.05.00
70. **Rand DG** (2017) Reflections on the Time-Pressure Cooperation Registered Replication Report. *Perspectives on Psychological Science*. doi:10.1177/1745691617693625
71. **Rand DG** (2017) Social dilemma cooperation (unlike Dictator Game giving) is intuitive for men as well as women. *Journal of Experimental Social Psychology*, **17** 164-168.
72. **Rand DG**, Tomlin D, Bear A, Ludvig EA, Cohen JD (2017) Cyclical population dynamics of automatic versus controlled processing: An evolutionary pendulum. *Psychological Review*, **124**, 626-642.
73. Shenhav A, **Rand DG**, Greene JD (2017) The path of least resistance: Intertemporal choice and its relationship to choices, preferences, and beliefs. *Judgment and Decision Making*, **12** 1–18.
74. Stagnaro MN*, Arechar AA*, **Rand DG** (2017) From good institutions to generous citizens: Top-down incentives to cooperate promote subsequent prosociality but not norm enforcement. *Cognition*. doi:10.1016/j.cognition.2017.01.017
75. Stagnaro MN, Dunham Y, **Rand DG** (2017) Profit versus prejudice: Harnessing self-interest to mitigate ingroup bias. *Social Psychology and Personality Science*. doi:10.1177/1948550617699254
76. Bear A, **Rand DG** (2016) Intuition, deliberation, and the evolution of cooperation. *PNAS*, **113** 936-941.
77. Epstein Z, Peysakhovich A, **Rand DG**. The Good, the Bad, and the Unflinchingly Selfish: Cooperative decision-making can be predicted with high accuracy using only three behavioral types. (2016) *Proceedings of 17th ACM Conference on Economics and Computation*.
78. Everett JAC, Haque OS, **Rand DG** (2016) How good is the Samaritan, and why? An experimental investigation of the extent and nature of religious prosociality using economic games. *Social Psychology and Personality Science*. doi:10.1177/1948550616632577
79. Hauser OP, Hendriks A, **Rand DG***, Nowak MA* (2016) Think global, act local: Preserving the global commons. *Scientific Reports*.
80. Peysakhovich A, **Rand DG** (2016) Habits of virtue: Creating cultures of cooperation and defection in the laboratory. *Management Science*, **62** 631-647.
81. Jordan JJ, Hoffman M, Bloom P, **Rand DG** (2016) Third-party punishment as a costly signal of trustworthiness. *Nature*, **530** 473-476.
82. Jordan JJ, Hoffman M, Nowak MA, **Rand DG** (2016) Uncalculating cooperation is used to signal trustworthiness. *PNAS*, **113** 8658-8663.
83. Nishi A, Christakis NA, Evans AM, O’Malley AJ, **Rand DG** (2016) Social environment shapes the speed of cooperation. *Scientific Reports*, **6**, Article number 29622.
84. **Rand DG** (2016) Cooperation, fast and slow: Meta-analytic evidence for a theory of social heuristics and self-interested deliberation. *Psychological Science*, **27** 1192–1206.

85. **Rand DG**, Brescoll VL, Everett JAC, Capraro V, Barcelo H (2016) Social heuristics and social roles: Altruism is intuitive for women but not for men. *Journal of Experimental Psychology: General*, **145** 389-396.
86. Wesson E, Rand RH, **Rand DG** (2016) Hopf bifurcations in two-strategy delayed replicator dynamics. *International Journal of Bifurcation and Chaos*, **26** 1-13.
87. Blake PR, **Rand DG**, Tingley D, Warneken F (2015) The shadow of the future promotes cooperation in a repeated prisoner's dilemma for children. *Scientific Reports*, **5** 14559.
88. Evans AM, Dillon KD, **Rand DG** (2015) Fast but not intuitive, slow but not reflective: Decision conflict drives reaction times in social dilemmas. *Journal of Experimental Psychology: General*, **144** 951-966.
89. Jordan JJ, McAuliffe K, **Rand DG** (2015) The effects of endowment size and strategy method on third-party punishment. *Experimental Economics*. doi:10.1007/s10683-015-9466-8
90. Kraft-Todd GT, Yoeli E, Bhanot S, **Rand DG** (2015) Promoting cooperation in the field. *Current Opinion in Behavioral Science*, **3** 96-101.
91. Ma Y, Liu Y, **Rand DG**, Heatherton TF, Han S (2015) Opposing oxytocin effects on inter-group social cooperative behavior in intuitive and reflective minds. *Neuropsychopharmacology*, **40** 2379-2387.
92. Nishi A, Shirado H, **Rand DG**, Christakis NA (2015) Inequality and visibility of wealth in experimental social networks. *Nature* **526** 426-429.
93. **Rand DG***, Fudenberg D*, Dreber A (2015) It's the thought that counts: The role of intentions in noisy repeated games. *Journal of Economic Behavior and Organizations*, **116** 481-499.
94. **Rand DG**, Kraft-Todd GT, Gruber J (2015) The collective benefits of feeling good and letting go: Positive emotion and (dis)inhibition interact to predict cooperative behavior. *PLoS ONE*, **10** e0117426
95. **Rand DG**, Newman GE, Wurzbacher O (2015) Social context and the dynamics of cooperative choice. *Journal of Behavioral Decision Making*, **28** 159-166.
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99. Toupo DFP, Strogatz SH, Cohen JD, **Rand DG** (2015) Evolutionary game dynamics of controlled and automatic decision-making. *Chaos*, **25** 073120.
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102. Dreber A, Fudenberg D, **Rand DG** (2014) Who cooperates in repeated games? The role of altruism, inequity aversion, and demographics. *Journal of Economic Behavior and Organization*, **98** 41-55.
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157. McCabe CM, **Rand DG** (2014) Coordinated punishment does not proliferate when defectors can also punish cooperators, in “Antisocial Behavior: Etiology, Genetic and Environmental Influences and Clinical Management”, Ed. Gallo JH. Hauppauge, NY: Nova Publishers.
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Commentaries / replies

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171. Pennycook G, Epstein Z, Mosleh M, Arechar AA, Eckles D, **Rand DG**. Understanding and reducing the spread of misinformation online. Available at <https://psyarxiv.com/3n9u8>
172. Pennycook G, McPhetres J, Bago B, **Rand DG**. Attitudes about COVID-19 in Canada, the U.K., and the U.S.A.: A novel test of political polarization and motivated reasoning.
173. Brashier NM, Pennycook G, Berinsky AJ, **Rand DG**. When to Correct Fake News.
174. Dreber A, Fudenberg D, Levine DK, **Rand DG**. Self-Control, Social Preferences and the Effect of Delayed Payments. Available at SSRN: <http://ssrn.com/abstract=2477454>.
175. **Rand DG**. Intuition, Deliberation, and Cooperation: Further Meta-Analytic Evidence from 91 Experiments on Pure Cooperation. Available at https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3390018
176. Ross R, **Rand DG**, Pennycook G. Beyond "Fake News": The role of analytic thinking in the detection of inaccuracy and partisan bias in news headlines. Available at <https://psyarxiv.com/cgsx6/>
177. Rhoads SA, Vekaria KM, O'Connell K, Elizabeth HS, **Rand DG**, Kozak Williams MN, Marsh AA. Unselfish traits and social decision-making patterns characterize six populations of real-world extraordinary altruists.
178. Allen J, Arechar AA, Pennycook G, **Rand DG**. Scaling up fact-checking using the wisdom of crowds. Available at <https://psyarxiv.com/9qdza>
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180. Palacios J, Fan Y, Yoeli E, Wang J, Chai Y, Sun W, **Rand DG**, Zheng S. Encouraging the resumption of economic activity after COVID-19: Evidence from a large scale-field experiment in China.
181. Mosleh M, Martel C, Eckles D, **Rand DG**. Shared Partisanship Dramatically Increases Social Tie Formation in a Twitter Field Experiment. Available at <https://psyarxiv.com/ykh5t/>
182. Arechar A, **Rand DG**. Turking in the time of COVID. Available at <https://psyarxiv.com/vktqu/>
183. Pennycook G, Rand DG. Examining false beliefs among Trump voters in the wake of the 2020 Presidential Election.
184. Jordan JJ, Yoeli E, **Rand DG**. Don't get it or don't spread it? Comparing self-interested versus prosocially framed COVID-19 prevention messaging. Available at <https://psyarxiv.com/yuq7x>
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186. Wittenberg C, Berinsky AJ, Zong J, **Rand DG**. The (Minimal) Persuasive Advantage of Political Video over Text.
187. Van Lange PAM, Peperkoorn LS, Wu J, **Rand DG**, Savulescu J, Faber NS. Population Density Trumps Religiosity in Predicting Charitable Donations and Norm Violations in Communities.
188. Haque OS, Everett JAC, **Rand DG**, Thomas KA, Pinker S. Belief in God versus Ultimate Accountability: Two Separate But Unequal Explanations for Widespread Distrust of the Nonreligious.
189. Stagnaro NM, **Rand DG**, Bloom P. Empathy, victims, and the appetite for retribution.

190. Kraft-Todd GT, Norton M, **Rand DG**. Setting a Price for Charitable Giving Increases Donations through Self-Concept Maintenance.
191. Ellingsen T, Herrmann B, Nowak MA, **Rand DG**, Tarnita CA. Civic capital in two cultures: The nature of cooperation in Romania and USA. Available at SSRN: <http://ssrn.com/abstract=2179575>.
192. Dreber A, **Rand DG**, Wernerfelt N, Worrell PR, Zeckhauser RJ. The decisions of entrepreneurs and their agents: Revealed levels of risk aversion and betrayal aversion. Available at SSRN: <http://ssrn.com/abstract=2263282>.
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196. Wernerfelt NC*, **Rand DG***, Dreber A, Montgomery CA, Malhotra D. Arginine vasopressin 1a receptor (AVPR1a) RS3 repeat polymorphism associated with entrepreneurship. Available at SSRN: <http://ssrn.com/abstract=2141598>.

POPULAR PRESS ARTICLES

1. Pennycook G, **Rand DG** (2020) The right way to fight fake news. *New York Times*.
2. Jordan JJ, **Rand DG** (2019) Are you ‘virtue signaling’? *New York Times*.
3. Pennycook G, **Rand DG** (2019) Why do people fall for fake news? *New York Times*.
4. **Rand DG**, Cohen JD (2017) The rise and fall of cognitive control. *Behavioral Scientist*.
5. Jordan JJ, Sommers R, **Rand DG** (2017) The real problem with hypocrisy. *New York Times*.
6. Dunham Y, **Rand DG** (2016) Will Sanders supporters come around? *New York Times*.
7. Jordan JJ, **Rand DG** (2016) The science behind Hillary Clinton’s problems with trust. *The Conversation*.
8. Bear A, **Rand DG** (2016) Creating habits of virtue. *Policyshop*.
9. Jordan JJ, Bloom P, Hoffman M, **Rand DG** (2016) What is moral outrage for? *New York Times*.
10. Yoeli E, **Rand DG** (2015) The trick to acting heroically. *New York Times*.
11. Yoeli E, Bhanot S, Kraft-Todd GT, **Rand DG** (2015) How to get people to pitch in. *New York Times*.
12. Yoeli E, Hoffman M, **Rand DG** (2014) How to prevent summer blackouts. *New York Times*.
13. Jordan JJ, **Rand DG** (2013) Human nature revisited. *Wired*, “The World in 2014” Wired UK Special Edition.
14. Peysakhovich A, **Rand DG** (2013) Virtual worlds, real insights. *Wired*, “The World in 2014” Wired UK Special Edition.
15. Van Bavel JJ, **Rand DG** (2013) Restocking our subject pools. *Association for Psychological Science Observer* 26.
16. Haque OS, **Rand DR** (2012) Religion goes into the science lab. *Wired*, “The World in 2013” Wired UK Special Edition.
17. Peysakhovich A, **Rand DG** (2012) Small is good when it comes to data creation. *Wired*, “The World in 2013” Wired UK Special Edition.
18. **Rand DG**, Nowak MA (2009) Name and shame: How reputation could save the earth. *New Scientist*, 2734 28-29.

TEACHING EXPERIENCE

- Spring 2020, 15.847: Consumer behavior. MBA class, MIT Sloan. Student ratings (unofficial, due to COVID-19): mean, 6.1/7; mode 6/7
- Fall 2017, PSYC 162: Evolution of cooperation. Undergraduate class, Yale University. Student ratings: mean, 3.6/5; mode 4/5
- Spring 2017, PSYC 162: Evolution of cooperation. Undergraduate class, Yale University. Student ratings: mean, 4/5; mode 4.5/5
- Spring 2015, PSYC 320/520: Computation Modeling of Social Interaction. Undergraduate/graduate class, Yale University. Student ratings: mean, 4.5/5; mode 5/5
- Fall 2014, PSYC 232L: Research Methods in Social Decision-Making. Undergraduate class, Yale University.

Student ratings: mean, 4.2/5; mode 5/5
Spring 2014, PSYC 232L: Research Methods in Social Decision-Making. Undergraduate class, Yale University.
Student ratings: mean, 3.8/5; mode 4/5
Fall 2011, HEB 1385: The Evolution of Human Cooperation. Undergraduate class, Harvard University.
Student ratings: mean 4.9/5; mode 5/5
Spring 2009, Math 243: Evolutionary Dynamics. Graduate class, [*Teaching fellow*], Harvard University. [Unrated]
Fall 2008, Math153: Mathematical Biology – Evolutionary Dynamics. Undergraduate class, [*Teaching fellow*],
Harvard University. Average student rating 4.4/5.0
Fall 2007, SB 200: A Systems Approach to Biology. Graduate class, [*Teaching fellow*], Harvard University.
Average student rating of 4.9/5.0

TRAINEES

Research scientists

Erez Yoeli (Ph.D. Economics, University of Chicago Booth School of Business) 2017 – present; MIT Research Scientist
Antonio Alonso Arechar (Ph.D. Economics, University of Nottingham), 2014 – present; MIT Research Scientist

Post-doctoral supervisees

Ben Tappin (Ph.D. Psychology, University of London) 2019 – present
Mohsen Mosleh (Ph.D. Systems Engineering, Stevens Institute of Technology) 2017 – 2020; University of Exeter
Business School tenure-track Lecturer of Science, Innovation, Technology, and Entrepreneurship
Rebecca Littman (Ph.D. Psychology, Princeton University) 2017 – 2020; University of Illinois Chicago tenure-track
professor of Social Psychology
Gordon Pennycook (Ph.D. Psychology, University of Waterloo) 2016 – 2017; University of Regina Hill/Levene
School of Business tenure-track professor of Behavioral Science
Jonathan Schulz (Ph.D. Economics, University of St. Gallen), 2015 – 2017; George Mason University, tenure-track
Professor of Economics
Christina Starmans (Ph.D. Psychology, Yale University), 2015 – 2017; University of Toronto tenure-track professor
of Developmental Psychology [Jointly advised with Paul Bloom]
Rimma Teper (Ph.D. Social Psychology, University of Toronto), 2014 – 2015; Research consultant at Idea Couture
Jeremy Cone (Ph.D. Social Psychology, Cornell University), 2013 – 2015; Williams College tenure-track professor of
Psychology
Alexander Peysakhovich (Ph.D. Economics, Harvard University), 2013 – 2014; Facebook Artificial Intelligence
Research

Ph.D. students

Jennifer Allen, MIT Sloan. In progress.
Xi Cathy Chen, MIT Sloan. In progress.
Graelyn Humiston, MIT Sloan. In progress.
Cameron Martel, MIT Sloan. In progress.
Ziv Epstein, MIT Media Lab. In progress. [Jointly advised with Sandy Pentland]
Gordon Kraft-Todd, Yale Psychology. “The diffusion of moral innovations: Cultural learning processes spread novel
forms of cooperation.” 2019; Boston College, post-doc.
M. Nicholas Stagnaro, Yale Psychology. “Building a wall around belief: Ideological communities, belief questioning
and the suppression of deliberation.” 2018; Stanford University, post-doc.
Jillian J. Jordan, Yale Psychology. “Moralistic punishment as a costly signal of trustworthiness.” 2018; Harvard
Business School tenure-track professor of Negotiation, Organizations, and Markets
Adam Bear, Yale Psychology. “The Nature and Limits of Consciousness.” 2018; Harvard University Research
Scientist [Jointly advised with Paul Bloom]
Oliver P. Hauser, Harvard Organismic and Evolutionary Biology. “Challenging Cooperation: Inequality, Global
Commons, Future Generations.” 2016; University of Exeter Business School Associate Professor of
Economics [Jointly advised with Martin Nowak]

Michael L. Manapat, “Critical phenomena in evolutionary dynamics”, MIT Mathematics. 2010. [Advised under supervision of Martin Nowak]

Undergraduate senior thesis students

- Damla Ozdalga, “Fake News and Social Endorsement Cues: Do the Number of Likes, Shares and Comments Influence Engagement with Inaccurate News Articles?”, Yale Cognitive Science, Spring 2018.
- Michaela MacDonald, “Worker changes in effort and perceptions of fairness in response to leader management strategy”, Yale Cognitive Science, Spring 2018.
- Benjamin Sampson, “A House Divided: Examining Urban-Rural Differences in Americans’ Behaviors, Attitudes, and Beliefs”, Yale Economics, Spring 2018.
- Katelynn Kyker, “Evolutionary Population Dynamics of Automatic Versus Controlled Processing in Structured Populations”, Yale Computer Science and Psychology, Spring 2018.
- Robyn Tse, “No Tip Left Behind: How Restaurant Tipping Policies Influence Cooperation Dynamics & Customer Experience”, Yale Cognitive Science, Spring 2017.
- Selena Anjur-Dietrich, “Diversity and Quality of Institutions: Fostering Prosociality toward Outgroup Members”, Yale Psychology, Spring 2017.
- Mari Kawakatsu, “Intuition, Deliberation, and the Evolution of Fairness”, Yale Sociology, Spring 2017; winner of 2017 Preist Award in Sociology.
- Natalie Warren, “From Norm to Table (and Beyond): The Cooperative Dilemma of University Food Waste”, Yale Cognitive Science, Spring 2017.
- Matthew Cohen, “Framing Private Vaccination Behavior as a Public Good: A Randomized Trial of Self- and Other-Framed Influenza Vaccination Appeals”, Yale Cognitive Science, Spring 2016
- Ari Kagan, “Imperfect Deliberation, Context-sensitive Intuition, and the Evolution of Cooperation: A computational game-theoretic model of the evolution of cooperation in dual-process agents”, Yale Cognitive Science, Spring 2016
- Laura Peng, “Monetary Incentives Elicit Hyperaltruistic Behavior in Contexts of Moral Decision-Making”, Yale Psychology, Fall 2015
- Ruchita Gupta, “Serial Reciprocity with Endowed Money, Earned Money, and Effort: An Experimental Approach”, Yale Psychology, Fall 2015
- Thomas Veitch, “Moral Evaluations Run Amok: Moral-Valence Biases Extend to Mild Outcomes”, Yale Psychology, Spring 2015
- Jazeer Brooks, “The Effect of Emotion on Decision-Making”, Yale Economics, Fall 2013 [Advised jointly with Johannes Horner].
- Owen M. Wurzbacher, “How Robust is the Human Cooperative Impulse? An investigation of intuitive cooperation across social contexts”, Harvard Human Evolution Biology, Spring 2013
- Nils C. Wernerfelt, “The Evolution of Cooperation on Dynamic Graphs”, Harvard Mathematics, Spring 2009; winner of the 2009 Thomas Temple Hoopes prize for excellence in the work of undergraduates. [Advised jointly with Corina Tarnita under supervision of Martin Nowak.]
- Joseph J. Armao, “Evolutionary Game Dynamics, Cooperation, and Costly Punishment”, Harvard Mathematics, Spring 2009 [Advised jointly with Corina Tarnita under supervision of Martin Nowak.]

HONORS & AWARDS

- 2020 Early Career Impact Award (Judgment and Decision Making), Federation of Associations in Behavioral and Brain Sciences
- 2020 AMA-EBSCO Responsible Research in Marketing award, for Kraft-Todd et al. “Credibility enhancing displays promote the provision of non-normative public goods”
- 2019 “Cooperation, fast and slow: Meta-analytic evidence for a theory of social heuristics and self-interested deliberation” named by Psychological Science as most cited paper 2016-2019.
- 2017 Poynter Institute International Fact-Checking Network’s *Researcher of the Year* (with Gord Pennycook)
- 2017 Clarivate Analytics 2017 Highly Cited Researchers List – Economics & Business
- 2016 Selected by vote of the graduate student body to be the Social Sciences representative at *Inspiring Yale*
- 2015 International Social Cognition Network’s 2014 Best Social Cognition Paper Award, for Gray et al. “The Emergence of ‘Us and Them’ in 80 Lines of Code: Modeling Group Genesis in Homogeneous Populations”
- 2015 Arthur Greer Memorial Prize for Outstanding Scholarly Publication or Research, Yale University

- 2014 “Risking your life without a second thought: Intuitive decision-making and extreme altruism” selected by UC Berkeley’s Greater Good Science Center as a 2014 Top 10 Insight from the “Science of a Meaningful Life”
- 2014 “Spontaneous giving and calculated greed” featured as a recommended paper by Faculty of 1000
- 2014 Gosnell Prize for Excellence in Political Methodology for best work in political methodology presented at any political science conference during 2013, for Roberts et al. “Structural topic models for open-ended survey responses.”
- 2013 Editor's Prize: Best article published in the 2011 volumes of Experimental Economics, for Horton et al “The Online Laboratory: Conducting Experiments in a Real Labor Market.”
- 2012 “Spontaneous giving and calculated greed” selected by UC Berkeley’s Greater Good Science Center as a 2012 Top 10 Insight from the “Science of a Meaningful Life”
- 2012 Pop!Tech 2012 Science Fellow
- 2012 Wired magazine’s Smart List 2012 of “50 people who will change the world”
- 2011 Harvard University Derek Bok Center Certificate for Distinction in Teaching (Human Evolutionary Biology 1380 Instructor)
- 2010 Best Student Presentation, International Society on Dynamic Games Symposium, Banff CA
- 2009 AAAS/Science Program for Excellence in Science
- 2007 Harvard University Derek Bok Center Certificate for Distinction in Teaching (Systems Biology 200 Teaching Fellow)
- 2007 NSF Graduate Research Fellowship Program

GRANT SUPPORT

- 2020 Google: “Research on Accuracy Priming.” David Rand (PI). Gift Given 10/2020. \$147,811.
- 2020 Reset project of Omidyar Group’s Luminate Project Limited. David Rand (PI). Gift given 9/2020. \$150,000.
- 2020 Google: “Cognitive Captcha Research.” David Rand (PI). Gift Given 2/2020. \$100,000.
- 2019 National Science Foundation OAC-1939934: “Collaborative Research: From Brains to Society: Neural Underpinnings of Collective Behaviors Via Massive Data and Experiments.” David Rand (PI). 10/2019-9/2021. \$398,311.
- 2019 William and Flora Hewlett Foundation: “Harnessing the wisdom of the crowd to identify misinformation online.” David Rand (PI). Gift given 7/2019. \$300,000
- 2019 John Templeton Foundation #61061: “Reasoning in moral thought and action.” Liane Young (PI), Fiery Cushman (PI), David Rand (Co-PI), Katherine McAuliffe (Co-PI). 1/2019 – 12/2021. \$2,743,961
- 2018 Ethics and Governance of AI Fund: “Understanding and combating misinformation and fake news online.” Gordon Pennycook (PI), David Rand (PI). 7/2018 – 6/2020. \$275,000
- 2017 DAIS ITA Biennial Program: “Fracture and Formation: Evolutionary and Psychological Modeling of Inter-Group Behavior.” Roger Whittaker (PI), David Rand (Co-PI). 1/2018 – 12/2019. \$359,871
- 2017 Templeton World Charity Foundation: “Co-evolution of cognitive processing, social behavior, and the Environment.” David Rand (PI). 12/2016 – 4/2019. \$193,522
- 2016 DARPA Decision Science Office: “The statistical mechanics of crowds – tools for predictive modeling in the social sciences.” Joshua Plotkin (PI, UPenn), David Rand (Team Lead),... 10/2016 – 2/2020. \$1,144,756.81.
- 2015 Sub-award from “Roybal Center for Social Networks and Well-Being”, National Institute on Aging, National Institutes of Health, awarded the Yale Sociology Department. David Rand (PI on sub-award). 8/2015-5/2016. \$248,079

- 2015 Integrated Philosophy and Science of Self-Control: “Self-Control and Cooperation: Evolutionary, developmental and cross-cultural perspectives.” Yarrow Dunham (PI), David Rand (PI), Eric Mandelbaum (Co-Investigator). 7/2015-6/2017. \$248,079.
- 2015 Templeton Science of Prospection Award: “Promoting cooperation with our future selves.” David Rand (PI). 1/2015-8/2016. \$100,000.
- 2014 Chicago Booth Center for Decision Science New Paths to Purpose Project: “Institutions and purpose: how rules can ‘crowd in’ or ‘crowd out’ a sense of purposeful prosociality.” David Rand (PI) & Alex Peysakhovich (Co-Investigator). 1/2014-6/2015. \$65,550
- 2014 The VIA Institute on Character Strengths: “Developing a Theory of Character Strengths.” David Rand (PI). 1/2014-6/2017. \$91,794.89
- 2012 Foundational Questions in Evolutionary Biology initiative: “The evolution of cognitive complexity.” Joshua Green (PI) & David Rand (Co-Investigator). 10/2012-9/2014. \$159,742
- 2012 John Templeton Foundation: “The evolution of cooperation.” Martin Nowak (PI) & David Rand (Co-Investigator). 1/2013-12/2015. \$1,800,000.
- 2010 Foundational Questions in Evolutionary Biology Prize Post-Doctoral Fellowship. 7/2010-6/2012. \$160,000.
- 2007 National Science Foundation Graduate Research Fellowship Program. 8/2007-5/2010. \$90,000.

REFEREEING

Editorial board: PNAS (ad hoc), Current Opinion in Psychology, Heroism Science

Reviewer: Science, Nature, National Science Foundation, PNAS, Nature Comm, Psychological Science, J Experimental Psychology: General, J Personality and Social Psychology, American Economic Review, Quarterly Journal of Economics, Management Science, J Marketing Research, Behavioral and Brain Sciences, Perspectives on Psychological Science, Psychological Review, Current Directions in Psychological Science, Emotion, Organizational Behavior and Human Decision Processes, Proc Royal Society B, J Royal Society Interface, Evolution & Human Behavior, Cognitive Affective and Behavioral Neuroscience, Current Biology, Games and Economic Behavior, J Theoretical Biology, Experimental Economics, J Economic Behavior & Organization, J Evolutionary Economics, EPL, Genes Brain & Behavior, Theoretical Population Biology, Physica A, PLoS ONE, Behavioral and Brain Functions, Religion Brain & Behavior, J Socio Economics, Phys Life Rev, Evolutionary Behavioral Sciences, Royal Society Open Science

PRESENTATIONS/TALKS

Keynote addresses and colloquia

1. “Fake news: Why we fall for it and what to do about it” Annenberg School of Communications, University of Pennsylvania, October 2019
2. “Understanding and combatting misinformation”, Latin-American Workshop on Experimental and Behavioral Social Science, Universidad de Santiago de Chile, December 2018
3. “Fake News: Who falls for it and what to do about it”, Society for the Advancement of Behavioral Economics 2018, Middlesex University, London July 2018
4. “Cooperation, fast and slow: The social heuristics hypothesis”, Intuition, Reasoning, and Prosocial Behavior SOCRATES Workshop, University of Pisa, Italy February 2017
5. “Cooperation, fast and slow: Intuitive social heuristics and self-interested deliberation”, Deliberative and non-Deliberative Choices and Public Policy Conference, Bar Ilan University, Israel December 2016

6. “Intuitive social heuristics and deliberative self-interest”, *Is Sin Original?* symposium, University of Amsterdam May 2016
7. “Human cooperation”, Human Computation & Crowdsourcing (HCOMP), San Diego CA November 2015
8. “Habits of virtue and the Social Heuristics Hypothesis”, International Conference on Social Dilemmas, Hong Kong, June 2015
9. “Habits of virtue and norms of prosociality”, Behavioral Ethics Conference, University of Central Florida, Orlando FL, Feb 2014
10. “Constructing and living in a cooperative world”, International Symposium on Economics in a Complex World: Networks and Agents, Madrid Spain September 2012

Invited talks

1. “Understanding and reducing the spread of misinformation online”, TikTok, April 2020
2. “Understanding and reducing the spread of misinformation online”, Exploring Media Ecosystems Conference, MIT, March 2020
3. “Understanding and reducing the spread of misinformation online”, Twitter, February 2020
4. “Understanding and reducing the spread of misinformation online”, Harvard Kennedy School, February 2020
5. “Understanding and reducing the spread of misinformation online”, Harvard Business School, December 2019
6. “Fake news: Why we fall for it and what to do about it”, Harvard Kennedy School, April 2019
7. “Fake news: Why we fall for it and what to do about it”, Department of Brain and Cognitive Sciences, MIT, April 2019
8. “Fake news: Why we fall for it and what to do about it”, Naveen Jindal School of Management, UT Dallas, March 2019
9. “Fake news: Why we fall for it and what to do about it”, Anderson School of Management, UCLA, March 2019
10. “Fake news: Why we fall for it and what to do about it”, Psychology Department, Stanford University, February 2019
11. “Fake news: Why we fall for it and what to do about it”, Interdisciplinary Network Research Group, Dartmouth College, January 2019
12. “Fake news: Who falls for it and what to do about it”, Psychology Department, University of Washington, November 2018
13. “Fake news: Who falls for it and what to do about it”, Information Systems group, Questrom School of Business, Boston University, October 2018
14. “Fake news: Who falls for it and what to do about it”, Northeast Marketing Consortium 2018, Harvard Business School, September 2018
15. “Fake news: Who falls for it and what to do about it”, Psychology Department, Northeastern University, September 2018
16. “How you can help combat fake news”, TEDx Cambridge Salon, August 2018
17. “Fake news: Who falls for it and what to do about it” Cognitive Science (CogSci), Madison WI, July 2018
18. “Fake news: Who falls for it and what to do about it” Disinformation Online conference, Columbia University, July 2018
19. “Promoting cooperation and fighting fake news”, Behavior Change Knowledge Network, Her Majesty’s Treasury, London July 2018
20. “The cognitive science of fake news”, Facebook HQ, April 2018
21. “The cognitive science of fake news”, NYU Social Psychology seminar, April 2018
22. “The cognitive science of fake news”, Social Media and Democracy, Stanford University, April 2018
23. “The cognitive science of fake news”, Exploring Media Ecosystems conference, MIT Media Lab, March 2018
24. “Understanding and combating fake news,” PSP Pre-Conference, American Association of Publishers, Washington DC, February 2018
25. “Understanding and combating fake news,” Cognitive Science Colloquium, University of Connecticut, November 2017
26. “Understanding and combating fake news,” Yale Institute for Network Science, October 2017
27. “Cooperation, fast and slow: Intuitive social heuristics and self-interested deliberation”, Department of Experimental Psychology, University College London, UK December 2016

28. "Cooperation, fast and slow: Intuitive social heuristics and self-interested deliberation", Psychology and Behavioral Science Colloquium, London School of Economics, UK December 2016
29. "Cooperation, fast and slow: Intuitive social heuristics and self-interested deliberation", Cognitive Science Colloquium, University of Maryland, College Park MD November 2016
30. "Cooperation, fast and slow: Intuitive social heuristics and self-interested deliberation", Psychology Department, Cornell University, Ithaca NY October 2016
31. "Cooperation, fast and slow: Meta-analytic evidence for a theory of social heuristics and self-interested deliberation", Arison School of Business, Israel July 2016
32. "Cooperation, fast and slow: Meta-analytic evidence for a theory of social heuristics and self-interested deliberation", King's College, London UK June 2016
33. "Cooperation, fast and slow: Meta-analytic evidence for a theory of social heuristics and self-interested deliberation", Middlesex College, London UK June 2016
34. "The cognitive underpinnings of human cooperation", Brain & Cognitive Sciences, MIT, Cambridge MA May 2016
35. "Intuition, deliberation, and human cooperation", Positive Psychology Center, University of Pennsylvania, Philadelphia PA April 2016
36. "Human cooperation", Inspiring Yale, Yale University, New Haven CT March 2016
37. "Human cooperation", Environmental Economics Seminar, Yale University, New Haven CT February 2016
38. "Intuition, deliberation, and human cooperation", Marketing Seminar, Sloan School, MIT, Cambridge MA February 2016
39. "Evolution of intuitive cooperation and rational self-interest", CLIPS, Brown University September 2015
40. "Fostering purposeful prosociality", New Paths to Purpose capstone meeting, Booth School of Business, University of Chicago June 2015
41. "Habits of virtue & social heuristics; Or, where do social preferences come from?", Social Dilemmas Conference, Brown University, Providence RI May 2015
42. "Habits of virtue and the role of social heuristics in human cooperation", Organization Studies Seminar, Sloan School, MIT, Cambridge MA April 2015
43. "Habits of virtue and the role of social heuristics in human cooperation", Marketing Seminar, Sloan School, MIT, Cambridge MA April 2015
44. "Habits of virtue and social heuristics: Where do social preferences come from?" Organizational Economics Working Group, National Bureau of Economic Research, Cambridge MA April 2015
45. "Intuitive prosociality", Motivation and Emotion Science Symposium, Private SPSP Preconference February 2015
46. "Human cooperation", Social Psychology Brown Bag, UMass Amherst February 2015
47. "Social heuristics: The role of intuition in cooperation & punishment", Conference on Cognitive Control and Social Decision Making, Toulouse School of Economics, France, January 2015
48. "Social heuristics: Intuition versus deliberation & cooperation", Cognition and Perception Seminar, New York University, November 2014
49. "Human cooperation", Oxford University Press PsychTalk, November 2014
50. "Human cooperation", Behavioral Economics and Philanthropy Conference, Harvard Kennedy School, November 2014
51. "Automatic social prospection", Prospection in Social Life Conference, Barcelona Spain, October 2014
52. "Promoting human cooperation and building habits of virtue", Decision Processes Colloquium, Wharton School, University of Pennsylvania, September 2014
53. "Harnessing network effects to promote human cooperation", Yale Institute for Network Science, September 2014
54. "Social heuristics and habits of virtue: the roles of intuition and deliberation in prosociality", New Frontiers in Behavioral and Experimental Economics Workshop, Zurich, August 2014
55. "Institutions and Purpose: How Rules 'Crowd In' or 'Crowd Out' Purposeful Prosociality", Booth School of Business, University of Chicago, June 2014
56. "Cooperation on social networks", Invited Symposium, Association for Psychological Science, Berkeley CA, May 2014
57. "Spontaneous giving and calculated greed: the automatic psychology of cooperation", Psychology Department Colloquium, Smith College, April 2014
58. "Strategies used in noisy repeated games: experimental evidence", Economics Micro Theory Lunch, Yale University, March 2014

59. "Intuitive cooperation and habits of virtue", Moral Philosophy Workshop, Yale University, Feb 2014
60. "Slow to anger and fast to forgive: cooperation in an uncertain world", Cooperation and Competition Pre-conference, SPSP, Austin TX, Feb 2014
61. "Intuitive cooperation and habits of virtue", NIH Intramural Research Program, Bethesda MD, Jan 2014
62. "Habits of virtue and norms of prosociality", Compassion Research Day, Facebook HQ, December 2013
63. "Habits of virtue: Creating norms of cooperation and defection in the laboratory", Economics/Strategy Seminar, Rady School of Management, UC San Diego, November 2013
64. "Intuitive Cooperation and Habits of Virtue", Behavioral & Cognitive Neuroscience Seminar, Columbia University, October 2013
65. "Intuitive Cooperation and the Social Heuristics Hypothesis", Affective Brain Lab, University College London, October 2013
66. "Why we cooperate", Social Cognition Brownbag, Brown University, October 2013
67. "Understanding human social behavior via data generation", Day of Data, Yale University, September 2013
68. "Why we cooperate", Social Psychology Seminar, Yale University, September 2013
69. "Habits of virtue: Creating norms of cooperation and defection in the laboratory", Workshop on Experimental Game Theory, Stony Brook NY, July 2013
70. "Engineering cultures of cooperation", Strategy Research Initiative, Columbia Business School, June 2013
71. "Institutions build intuitions: Evolving cultures of cooperation and defection in the laboratory", Behavioral and Experimental Economics Seminar, Department of Economics, Harvard University, April 2013
72. "Designing and living in a cooperative world", Learning Innovations Laboratory, Harvard Graduate School of Education, March 2013
73. "Spontaneous giving and calculated greed", Department of Psychology, New York University, March 2013
74. "Spontaneous giving and calculated greed", Media Lab, Massachusetts Institute of Technology, March 2013
75. "Spontaneous giving and calculated greed", Department of Psychology, Northeastern University, February 2013
76. "Spontaneous giving and calculated greed", Center for Collective Intelligence, Massachusetts Institute of Technology, February 2013
77. "Creating & destroying norms of cooperation in the lab", Biological Anthropology, Yale University, February 2013
78. "Spontaneous giving and calculated greed", Evolution of Religion, Cooperation and Morality thematic series, University of British Columbia, November 2012
79. "Designing and living in a cooperative world", PopTech Conference, Camden ME, October 2012 [**PopTech Science Fellow**]
80. "Cooperation and norm enforcement across cultures", European Policies from a Behavioral Economics Perspective, European Commission Joint Research Centre, Ispra Italy, September 2012
81. "Constructing and living in a cooperative world", Management Leadership and Decision Sciences seminar, Kennedy School of Government, Harvard University, February 2012
82. "Constructing and living in a cooperative world", Department of Psychology, Harvard University, January 2012
83. "Cooperation in an uncertain world", Social and Decision Sciences, Carnegie Mellon University, January 2012
84. "Constructing and living in a cooperative world", Department of Psychology, Princeton University, January 2012
85. "Constructing and living in a cooperative world", Negotiation Organizations and Markets seminar, Harvard Business School, January 2012
86. "Constructing and living in a cooperative world", Kellogg School of Management, Northwestern University, January 2012
87. "Cooperation in an uncertain world", Booth School of Business, University of Chicago, January 2012
88. "Constructing and living in a cooperative world", Department of Psychology, Yale University, December 2011
89. "Constructing and living in a cooperative world", School of Management, Yale University, December 2011
90. "The evolution of antisocial punishment", The Foundations of Moral Preferences, Centre for the Study of Mind in Nature, University of Oslo, November 2011
91. "Reward, punishment, and the maintenance of large-scale cooperation", Center for Human Science, Chapel Hill NC, October 2011

92. "Reward, punishment and the evolution of cooperation", Virtual Brownbag webinar series on culture, conflict, and collaboration, hosted by Department of Psychology, University of Maryland, Oct 2011
93. "Cooperation and spite: an evolutionary game theoretic perspective", Psychology Department, Princeton University, September 2011
94. "Punishment, spite and the evolution of cooperation", Complex Systems Seminar, Northwestern University, September 2011
95. "How online labor markets are revolutionizing innovation and discovery in the social sciences", Innovation and Economic Growth: Exploring the Origins and Effects of Innovative Behavior, Gruter Institute for Law, Brain and Behavior, Squaw Valley, May 2011
96. "The personal is political: private interactions can support public goods", Law and Human Behavior, Gruter Institute for Law, Brain and Behavior, Squaw Valley, May 2011
97. "Slow to anger and fast to forgive: cooperation in an uncertain world", Max Plank Institute for Research on Collective Goods, April 2011
98. "The evolutionary dynamics of human cooperation", Applied Mathematics Colloquium, Massachusetts Institute of Technology, March 2011
99. "Reward, punishment and the evolution of human cooperation", New England Complex Systems Institute / MIT Engineering Systems Division Seminar, Massachusetts Institute of Technology, March 2011
100. "Reward, punishment and the evolution of cooperation", Coping with Crises in Complex Socio-Economic Systems Seminar, ETH Zurich, March 2011
101. "Reward, punishment and the evolution of cooperation", Human Evolutionary Biology department colloquium, Harvard University, November 2010
102. "Reward, punishment and public goods", Experimental Economics Seminar, George Mason University, November 2010
103. "Slow to anger and fast to forgive: cooperation in an uncertain world", Behavioral and Experimental Economics Seminar, Harvard University, November 2010
104. "The online laboratory: taking experimental social science onto the internet", Berkman Center for Internet & Society Luncheon Series, Harvard University
105. "The evolution of anti-social punishment", The Nature of Preferences and Decision-Making, The Tinbergen Institute, University of Amsterdam, September 2010
106. "Reward, punishment and the evolution of cooperation", Department of Complex Systems Seminar, University of Michigan, September 2010
107. "A genetic basis of serial entrepreneurship", Innovation and Economic Growth, Lake Tahoe NV, May 2010
108. "Slow to anger and fast to forget: leniency and forgiveness in an uncertain word", Law, Behavior and the Brain, Gruter Institute for Law and Behavioral Research, Lake Tahoe NV, May 2010
109. "The evolution of cooperation, and what it can teach us about mortality", Moral Biology Conference, Harvard Law School, April 2010
110. "Reward, punishment and the provisioning of public goods", Critical Perspectives on Law and Economics Seminar, University of Minnesota Law School, March 2010
111. "Winners don't punish", Department of Mathematics Seminar, Wilfrid Laurier University, Waterloo Canada, March 2010
112. "Human cooperation, an evolutionary perspective", Behavioral Economics & Decision Research Seminar, Cornell University, February 2010
113. "The evolutionary dynamics of altruistic cooperation", Applied Mathematics Colloquium, Cornell University, February 2010
114. "Rewards outperform punishment for promoting public cooperation", Museum of Comparative Zoology Lunch Series, Harvard University, October 2009
115. "Winners don't punish", International Symposium on Complex Networks and Evolutionary Dynamics, Xidian University, Xi'an, China, October 2009
116. "Winners don't punish", Conference on Evolutionary Dynamics, Peking University, Beijing, Oct 2009
117. "When can genetics teach us about human behavior, and do we really want to know?", Science Friends-of-O'Reilly Camp, Google, Mountain View CA, July 2009
118. "In-group bias and the evolution of cooperation", Law, Behavior and the Brain, Gruter Institute for Law and Behavioral Research, Lake Tahoe NV, May 2009
119. "Anti-social punishment and the evolution of cooperation", Plants and the evolution of cooperation and trading, Harvard Plant Biology Symposium, Cambridge MA, May 2009

120. “When do nice guys really finish first?” International Society for Performance Improvement, Orlando FL, April 2009 [**Funded guest speaker**] - Average rating by participants 4.8/5
121. “Winners don’t punish”, Mind Brain and Behavior Seminar, Harvard University, November 2008
122. “Modeling the evolution of cooperation”, Modeling Social Behavior, National Institutes of Health, Bethesda MD, November 2008
123. “Winners don’t punish”, Japanese Society for Mathematical Biology, Kyoto University, Kyoto, Japan, September 2008
124. “Winners don’t punish”, 12th Experimental Social Sciences Conference, Tokyo Institute of Technology, Ookayama, Japan, September 2008
125. “Winners don’t punish”, Law Behavior and the Brain, Gruter Institute for Law and Behavioral Research, Lake Tahoe NV, May 2008
126. “Altruism, Cooperation and Evolution”, Boston Museum of Science, November 2007
127. “Punishment and cooperation in the Prisoner’s Dilemma”, Research Opportunities in Mathematical Evolution Colloquium, Harvard University, March 2007

Conference talks

1. “Reducing the spread of news we (should) know is false”, Academy of Management, Boston, August 2019
2. “Combatting fake news”, Society for Judgment and Decision-Making, New Orleans LA, November 2018
3. “Misinformation: Who falls for it and how to fight it”, SESP, Seattle WA, October 2018
4. “Fake news: Who falls for it and what to do about it”, Politics and Computational Social Science pre-conference, Boston MA, August 2018
5. “Cooperation, fast and slow: Intuitive social heuristics and self-interested deliberation”, Society for Judgment and Decision-Making, Boston MA, November 2016
6. “Social heuristics and habits of virtue”, Association for Psychological Science, New York NY, May 2015
7. “The Evolution of Intuitive Cooperation”, Society for Personality and Social Psychology, Long Beach CA, Feb 2015
8. “Habits of Virtue: Creating Norms of Cooperation and Defection in the Laboratory”, Society for Personality and Social Psychology, Austin TX, Feb 2014
9. “Institutions build intuitions: Evolving cultures of cooperation and defection in the laboratory”, Society for Experimental Social Psychology, UC Berkeley, September 2013
10. “Spontaneous giving and calculated greed”, Society for Personality and Social Psychology 2013, New Orleans, January 2013
11. “Reward, punishment, and the maintenance of large-scale cooperation”, Society of Experimental Social Psychology, Washington DC, October 2011
12. “Slow to anger and fast to forgive: cooperation in an uncertain world”, Economic Science Association International Meeting 2011, University of Chicago, July 2011
13. “Noise, heterogeneity and the evolution of human cooperation”, Eighth International Conference on Complex Systems, Boston, June 2011
14. “Reward and punishment in repeated games: experimental evidence”, 14th International Symposium on Dynamic Games and Applications, Banff Canada, June 2010 [Best Student Presentation Award winner]
15. “The evolution of anti-social punishment”, 14th International Symposium on Dynamic Games and Applications, Banff Canada, June 2010
16. Eastern Regional Photosynthesis Conference, Woods Hole MA, April 2004
17. Eastern Regional Photosynthesis Conference, Woods Hole MA, April 2003