

James H. Fowler

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Academic Positions

University of California, San Diego

Professor, Global Public Health Division, Department of Medicine, School of Medicine (2015–)
Professor, Political Science Department, Division of Social Sciences (2010–)
Professor, Medical Genetics Division, Department of Medicine, School of Medicine (2010–2015)
Professor (Adjunct), Dept. of Family Medicine & Public Health, School of Medicine (2010–2015)
Associate Professor, Political Science Department, Division of Social Sciences (2006–2010)

University of California, Davis

Assistant Professor, Political Science Department, Division of Social Sciences (2003–2006)

Academic Affiliations

Campus Leader, University of California Institute for Prediction Technology (2014–)
Affiliate, Center for Networked Systems (2012–)
Senior Fellow, Center on Global Justice (2012–)
Member, Center for Academic Research and Training in Anthropogeny (2011–)
Faculty Research Associate, Laboratory on International Law and Regulation (2010–)
Affiliate, Center for Wireless and Population Health Systems, *Qualcomm Institute* (2009–)

Education

Harvard University

Ph.D., Government (2003); M.A., Government (2001); B.A., *cum laude* (1992)

Yale University

M.A., International Relations (1997)

Publications

(24,197 Google Scholar Citations, h-index 60)

Books

1. *Connected: The Surprising Power of Our Social Networks and How They Shape Our Lives*
(with Nicholas A. Christakis)

Little, Brown, and Company (hardcover 28 September 2009) + 20 other publishers:
Simon & Schuster (Audio Book); Harper Collins (United Kingdom); S. Fischer Verlag (German); Uitgeverij Balans (Dutch); Editorial Taurus (Spanish); Campus (Portuguese - Brazil); Algoritam (Croatian); Curtea Veche (Romanian); Typotex (Hungarian); SAW Smak Slowa (Polish); Matar Publishing (Hebrew); Renmin University Press (Chinese); Gimm-Young (Korean); Kodansha (Japanese); Natur Och Kultur (Swedish); Katoptro (Greek); PT Gramedia (Indonesian); Bold Ideas Publishing (Thai); Alipina (Russian); Varlik (Turkish)

2. *Mandates, Parties, and Voters: How Elections Shape the Future*
(with Oleg Smirnov)
Temple University Press (January 2007)

Research Articles in Journals

3. Familial Social Structure and Socially-Driven Genetic Differentiation in Hawaiian Short-Finned Pilot Whales
(with Amy M. Van Cise, Karen K. Martien, Sabre D. Mahaffy, Robin W. Baird, Daniel L. Webster, Erin M. Oleson, Phillip A. Morin)
Molecular Ecology (forthcoming)
4. Digit Ratio (2D:4D) and Social Integration: An Effect of Prenatal Sex Hormones
(with Pablo Brañas-Garza, Jaromír Korářík, Dotan Haim, Michael Davidson, Shannon Carcelli)
Network Science (forthcoming)
5. Nighttime Temperature and Human Sleep Loss in a Changing Climate
(with Nick Obradovich, Robyn Migliorini, Sara C. Mednick)
Science Advances 3: e1601555 (26 May 2017)
6. Social Influence and Political Mobilization: Further Evidence from a Randomized Experiment in the 2012 U.S. Presidential Election
(with Jason J. Jones, Robert M. Bond, Eytan Bakshy, Dean Eckles)
PLOS ONE 12(4): e0173851 (26 April 2017)
7. Climate Change May Alter Human Physical Activity Patterns
(with Nick Obradovich)
Nature Human Behaviour 1: 0097 (24 April 2017)
8. Dueling Biological and Social Contagions
(with Feng Fu, Nicholas A. Christakis)
Scientific Reports 7: 43634 (2 March 2017)
9. Exploiting Social Influence to Magnify Population-Level Behavior Change in Maternal and Child Health: Study Protocol for a Randomized Controlled Trial of Network Targeting Algorithms in Rural Honduras
(with Holly B. Shakya, Derek Stafford, D. Alex Hughes, Thomas Keegan, Rennie Negron, Jai Broome, Mark McKnight, Liza Nicoll, Jennifer Nelson, Emma Iriarte, Edo Airoldi, Nicholas A. Christakis)
BMJ Open 7 (3): e012996 (March 2017)
10. The Paradox of Weak Ties in 55 Countries
(with Laura K. Gee, Jason J. Jones, Christopher J. Fariss, Moira Burke)
Journal of Economic Behavior & Organization 133: 362–372 (January 2017)
11. Face-to-Face and Online Networks: College Students' Experiences in a Weight-Loss Trial
(with Gina Merchant, Nadir Weibel, Laura Pina, William G. Griswold, Guadalupe X. Ayala, Linda C. Gallo, James Hollan, Kevin Patrick)
Journal of Health Communication 22: 75–83 (January 2017)
12. An Exploratory Comparison of Name Generator Content: Data From Rural India
(with Holly A. Shakya, Nicholas A. Christakis)
Social Networks 48: 157–168 (January 2017)

13. Social Endorsement Cues and Political Participation
(with Jaime E. Settle, Robert M. Bond, Christopher J. Fariss, Jason J. Jones)
Political Communication 34(2): 261–281 (2017)
14. Re-Imagining and Re-Designing Human Research Protections for 21st Century Science
(with Cinnamon S. Bloss, Camille Nebeker, Matthew Bietz, Deborah Bae, Barbara Bigby, Mary Devereaux, Ann Waldo, Nadir Weibel, Kevin Patrick, Scott Klemmer, Lori Melichar)
Journal of Medical Internet Research 18 (12): e329 (December 2016)
15. Online Social Integration is Associated with Reduced Mortality
(with Will R. Hobbs, Moira K. Burke, Nicholas A. Christakis)
PNAS 113 (46): 12980–12984 (15 November 2016)
16. Formation of Raiding Parties for Inter-Group Violence Is Mediated by Social Network Structure
(with Luke Glowacki, Alexander Isakov, Richard W. Wrangham, Rose McDermott, Nicholas A. Christakis)
PNAS 113 (43): 12114–12119 (25 October 2016)
17. Timing Matters: How Social Influence Affects Adoption Pre- and Post-Product Release
(with Sara B. Soderstrom, Brian Uzzi, Derek Rucker, Daniel Diermeier)
Sociological Science 3: 915-939 (October 2016)
18. Using Social And Mobile Tools For Weight Loss In Overweight And Obese Young Adults (Project SMART): A 2 Year, Parallel-Group, Randomised, Controlled Trial
(with Job G. Godino, Gina Merchant, Gregory J Norman, Michael C Donohue, Simon J. Marshall, Karen J. Calfas, Jeannie S. Huang, Cheryl L. Rock, Prof William G. Griswold, Anjali Gupta, Fredric Raab, B. J. Fogg, Thomas N. Robinson, Kevin Patrick)
Lancet Diabetes & Endocrinology 4 (9): 747–755 (September 2016)
19. Social Connectedness is Associated with Fibrinogen Levels
(with David A. Kim, Emelia Benjamin, Nicholas A. Christakis)
Proceedings of the Royal Society B 283 (1837): 20160958 (31 August 2016)
20. Big Data Sensors of Organic Advocacy: The Case of Leonardo DiCaprio and Climate Change
(with Eric C. Leas, Benjamin M. Althouse, Mark Dredze, Nick Obradovich, Seth M. Noar, Jon-Patrick Allem, John W. Ayers)
PLOS ONE 11 (8): e0159885 (2 August 2016)
21. From Posting to Voting: The Effects of Political Competition on Online Political Engagement
(with Jaime E. Settle, Robert M. Bond, Lorenzo Coviello, Christopher J. Fariss, Jason J. Jones)
Political Science Research & Methods 4 (2): 361–378 (May 2016)
22. Rapid Assessment of Disaster Damage Using Social Media Activity
(with Yury Kryvasheyev, Haohui Chen, Nick Obradovich, Esteban Moro, Pascal Van Hentenryck, Manuel Cebrian)
Science Advances 2 (3): e1500779 (11 March 2016)
23. Intimate Partner Violence Norms Cluster Within Households: An Observational Social Network Study in Rural Honduras
(with Holly B. Shakya, D. Alex Hughes, Derek K Stafford, Nicholas A. Christakis, Jay G Silverman)
BMC Public Health 16: 233 (8 March 2016)
24. Self Comparisons as Motivators for Healthy Behavior
(with Holly B. Shakya, Nicholas A. Christakis)
Obesity 23 (12): 2477–2484 (December 2015)

25. Linking Genes and Political Orientations: Testing the Cognitive Ability as Mediator Hypothesis
(with Sven Oskarsson, David Cesarini, Christopher T. Dawes, Magnus Johannesson, Patrick K. E. Magnusson, Jan Teorell)
Political Psychology 36 (6): 649–665 (December 2015)
26. Online Social Networks and Offline Protest
(with Zachary Steinert-Threlkeld, Delia Mocanu, Alessandro Vespignani)
EPJ Data Science 4 (19): 1–9 (November 2015)
27. Social Network Targeting to Maximise Population Behaviour Change: A Randomised Controlled Trial
(with David A. Kim, Alison R. Hwang, Derek Stafford, D. Alex Hughes, A. James O'Malley, Nicholas A. Christakis)
The Lancet 386 (9989): 145–153 (11–17 July 2015)
28. Clinical Trial Management of Participant Recruitment, Enrollment, Engagement, and Retention in the SMART Study Using a Marketing and Information Technology (MARKIT) Model
(with Anjali Gupta, Karen J. Calfas, Simon J. Marshall, Thomas N. Robinson, Cheryl L. Rock, Jeannie S. Huang, Melanie Epstein-Corbin, Christina Servetas, Michael Donohue, Gregory J. Norman, Fred Raab, Gina Merchant, William G. Griswold, B.J. Fogg, Kevin Patrick)
Contemporary Clinical Trials 42: 185–195 (May 2015)
29. Social Network Predictors of Latrine Ownership
(with Holly B. Shakya, Nicholas A. Christakis)
Social Science & Medicine 125: 129–138 (January 2015)
30. The Role of Self-Interest in Elite Bargaining
(with Brad L. LeVeck, D. Alex Hughes, Emilie Hafner-Burton, David G. Victor)
PNAS 111 (52): 18536–18541 (30 December 2014)
31. Static Network Structure Can Stabilize Human Cooperation
(with David G. Rand, Martin A. Nowak, Nicholas A. Christakis)
PNAS 111 (48): 17093–17098 (2 December 2014)
32. Words on the Web: Noninvasive Detection of Emotional Contagion in Online Social Networks
(with Lorenzo Coviello, Massimo Franceschetti)
Proceedings of the IEEE 102 (12): 1911–1921 (December 2014)
33. Credit Card Borrowing and the Monoamine Oxidase A (MAOA) Gene
(with Jan-Emmanuel De Neve)
Journal of Economic Behavior and Organization 107 (Part B): 428–439 (November 2014)
34. The Relationship Between Genes, Psychological Traits, and Political Participation
(with Christopher T. Dawes, David Cesarini, Sven Oskarsson, Magnus Johannesson)
American Journal of Political Science 58 (4): 888–903 (October 2014)
35. Decision Makers Preferences for International Legal Cooperation
(with Emilie M. Hafner-Burton, Brad L. LeVeck, David G. Victor)
International Organization 68 (4): 845–876 (September 2014)
36. Friendship and Natural Selection
(with Nicholas A. Christakis)
PNAS 111 (Supplement 3): 10796–10801 (22 July 2014)

37. Evolutionary Origins of the Endowment Effect: Evidence from Hunter-Gatherers
(with Coren L. Apicella, Eduardo M. Azevedo, Nicholas A. Christakis)
American Economic Review 104 (6): 1793–1805 (June 2014)
38. Click ‘Like’ to Change Your Behavior: A Mixed Methods Study of College Students’ Exposure to and Engagement with Facebook Content Designed for Weight-Loss
(with Gina Merchant, Nadir Weibel, Kevin Patrick, Greg J. Norman, Anjali Gupta, Christina Servetas, Karen Calfas, Ketaki Raste, Laura Pina, Mike Donohue, Simon Marshall)
Journal of Medical Internet Research 16 (6): e158 (June 2014)
39. Association Between Social Network Communities and Health Behavior: An Observational Sociocentric Network Study of Latrine Ownership in Rural India
(with Holly B. Shakya, Nicholas A. Christakis)
American Journal of Public Health 104 (5): 930–937 (May 2014)
40. Using Friends as Sensors to Detect Global-Scale Contagious Outbreaks
(with Manuel Garcia-Herranz, Esteban Moro Egido, Manuel Cebrian, Nicholas A. Christakis)
PLOS ONE 9 (4): e92413 (9 April 2014)
41. Corruption Drives the Emergence of Civil Society
(with Sherief Abdallah, Rasha Sayed, Iyad Rahwan, Brad L. LeVeck, Manuel Cebrian, Alex Rutherford)
Journal of the Royal Society Interface 11 (93): 20131044 (6 April 2014)
42. Relationships Between Depression, Gender, and Unhealthy Weight Loss Practices Among Overweight or Obese College Students
(with Evelyn P. Davila, Julia K. Kolodziejczyk, Gregory J. Norman, Karen J. Calfas, Jeannie S. Huang, Cheryl L. Rock, William G. Griswold, Simon J. Marshall, Anjali Gupta, Kevin Patrick)
Eating Behaviors 15 (2): 271–274 (April 2014)
43. Detecting Emotional Contagion in Massive Social Networks
(with Lorenzo Coviello, Yunkyu Sohn, Adam D. I. Kramer, Cameron Marlow, Massimo Franceschetti, Nicholas A. Christakis)
PLOS ONE 9 (3): e90315 (12 March 2014)
44. Same-Sex Sexual Attraction Does Not Spread In Adolescent Social Networks
(with Tiffany A. Brakefield, Sara C. Mednick, Helen W. Wilson, Jan-Emmanuel De Neve, Nicholas A. Christakis)
Archives of Sexual Behavior 43 (2): 335–344 (February 2014)
45. Core-Periphery Structure in Networks
(with M. Puck Rombach, Mason A. Porter, Peter J. Mucha)
SIAM Journal on Applied Mathematics 74 (1): 167–190 (February 2014)
46. Prediction of Mortality Using On-line, Self-Reported Health Data: An Empirical Test of the RealAge Score
(with William R. Hobbs)
PLOS ONE 9 (1): e86385 (17 January 2014)
47. Widowhood Effects in Voter Participation
(with William R. Hobbs, Nicholas A. Christakis)
American Journal of Political Science 58 (1): 1–16 (January 2014)
48. A Natural Experiment in Proposal Power and Electoral Success
(with Peter J. Loewen, Royce Koop, Jaime E. Settle)
American Journal of Political Science 58 (1): 189–196 (January 2014)

49. Design and Implementation of a Randomized Controlled Social and Mobile Weight Loss Trial for Young Adults (project SMART)
(with Kevin Patrick, Simon J. Marshall, Evelyn P. Davila, Julia K. Kolodziejczyk, Karen J. Calfas, Jeannie Huang, Cheryl L. Rock, William G. Griswold, Anjali Gupta, Gina Merchant, Gregory J. Norman, Fredric Raab, Michael Donohue, B. J. Fogg, Tom N. Robinson)
Contemporary Clinical Trials 37 (1): 10–18 (January 2014)
50. Emotion Regulation as the Foundation of Political Attitudes: Does Reappraisal Decrease Support for Conservative Policies?
(with Jooa Julia Lee, Yunkyun Sohn)
PLOS ONE 8 (12): e83143 (18 December 2013)
51. Breaking Up is Hard to Do, Unless Everyone Else is Doing it Too: Social Network Effects on Divorce in a Longitudinal Sample
(with Rose McDermott, Nicholas A. Christakis)
Social Forces 92 (2): 491–519 (December 2013)
52. Quality Versus Quantity of Social Ties in Experimental Cooperative Networks
(with Hirokazu Shirado, Feng Fu, Nicholas A. Christakis)
Nature Communications 4:2814 (14 November 2013)
53. The Evolution of Error
(with Dominic D. P. Johnson, Daniel T. Blumstein, Martie G. Haselton)
Trends in Ecology and Evolution 28 (8): 474–481 (August 2013)
54. Complexity and Simplicity in the Evolution of Decision-Making Biases
(with Dominic D. P. Johnson)
Trends in Ecology and Evolution 28 (8): 446–447 (August 2013)
55. Contagion of Cooperation in Static and Fluid Social Networks
(with Jillian J. Jordan, David G. Rand, Samuel Arbesman, Nicholas A. Christakis)
PLOS ONE 8 (6): e66199 (19 June 2013)
56. In Defense of Genopolitics
(with Christopher T. Dawes)
American Political Science Review 107 (2): 362–374 (May 2013)
57. Individual and Neighborhood Correlates of Membership in Drug Using Networks with a Higher Prevalence of HIV in New York City (2006-2009)
(with Abby E. Rudolph, Natalie D. Crawford, Carl Latkin, Crystal M. Fuller)
Annals of Epidemiology 23 (5): 267–274 (May 2013)
58. Violent Extremist Group Ecologies Under Stress
(with Manuel Cebrian, Manuel R. Torres, Ramon Huerta)
Scientific Reports 3: 1544 (27 March 2013)
59. Red Brain, Blue Brain: Evaluative Processes Differ in Democrats and Republicans
(with Darren Schreiber, Greg Fonzo, Alan N. Simmons, Christopher T. Dawes, Taru Flagan, Martin P. Paulus)
PLOS ONE 8 (2): e52970 (13 February 2013)

60. Yahtzee: An Anonymized Group Level Matching Procedure
(with Jason J. Jones, Robert M. Bond, Christopher J. Fariss, Jaime E. Settle, Adam D. I. Kramer, Cameron Marlow)
PLOS ONE 8 (2): e55760 (5 February 2013)
61. Social Contagion Theory: Examining Dynamic Social Networks and Human Behavior
(with Nicholas A. Christakis)
Statistics in Medicine 32 (4): 556–577 (February 2013)
62. Born to Lead? A Twin Design and Genetic Association Study of Leadership Role Occupancy
(with Jan-Emmanuel De Neve, Slava Mikhaylov, Christopher T. Dawes, Nicholas A. Christakis)
The Leadership Quarterly 24 (1): 45–60 (February 2013)
63. Inferring Tie Strength from Online Directed Behavior
(with Jason J. Jones, Jaime E. Settle, Robert M. Bond, Christopher J. Fariss, Cameron Marlow)
PLOS ONE 8 (1): e52168 (2 January 2013)
64. Strategic Citations to Precedent on the U.S. Supreme Court
(with Yonatan Lupu)
Journal of Legal Studies 42 (1): 151–186 (January 2013)
65. Parental Influence on Substance Use in Adolescent Social Networks
(with Holly B. Shakya, Nicholas A. Christakis)
Archives of Pediatrics & Adolescent Medicine 166 (12): 1132–1139 (December 2012)
66. The Evolution of Homophily
(with Feng Fu, Martin A. Nowak, Nicholas A. Christakis)
Scientific Reports 2: 845 (13 November 2012)
67. Genes, Economics, and Happiness
(with Jan-Emmanuel De Neve, Nicholas A. Christakis, Bruno Frey)
Journal of Neuroscience, Psychology, and Economics 5 (4): 193–211 (November 2012)
68. A 61-Million-Person Experiment in Social Influence and Political Mobilization
(with Robert M. Bond, Christopher J. Fariss, Jason J. Jones, Adam D. I. Kramer, Cameron Marlow, Jaime E. Settle)
Nature 489: 295–298 (13 September 2012)
69. Egocentric Social Network Structure, Health, and Pro-Social Behaviors in a National Panel Study of Americans
(with James O'Malley, Samuel Arbesman, Darby Miller Steiger, Nicholas A. Christakis)
PLOS ONE 7 (5): e36250 (15 May 2012)
70. The Neural Basis of Egalitarian Behavior
(with Christopher T. Dawes, Peter J. Loewen, Darren Schreiber, Alan N. Simmons, Taru Flagan, Richard McElreath, Scott E. Bokemper, Martin P. Paulus)
PNAS 109 (17): 6479–6483 (24 April 2012)
71. Aspirin Use and Cardiovascular Events in Social Networks
(with Kate W. Strully, Joanne Murabito, Emelia J. Benjamin, Daniel Levy, Nicholas A. Christakis)
Social Science & Medicine 74 (7), 1125–1129 (March 2012)
72. Modeling Dynamical Influence in Human Interaction
(with Wei Pan, Wen Dong, Manuel Cebrian, Taemie Kim, Alex (Sandy) Pentland)
IEEE Signal Processing Magazine 29 (2): 77–86 (March 2012)

73. Social Networks and Cooperation in Hunter-Gatherers
(with Coren Apicella, Frank W. Marlowe, Nicholas A. Christakis)
Nature 477: 497–501 (26 January 2012)
74. Molecular Genetics and Economics
(with Jonathan P. Beauchamp, David Cesarini, Magnus Johannesson, Matthijs J. H. M. van der Loos, Philipp D. Koellinger, Patrick J. F. Groenen, J. Niels Rosenquist, A. Roy Thurik, Nicholas A. Christakis)
Journal of Economic Perspectives 25 (4): 1–27 (Fall 2011)
75. The Evolution of Overconfidence
(with Dominic D. P. Johnson)
Nature 477: 317–320 (15 September 2011)
76. Social Preferences and Political Participation
(with Christopher T. Dawes, Peter J. Loewen)
Journal of Politics 73 (3): 845–856 (July 2011)
77. Contagion in Prescribing Behavior Among Networks of Doctors
(with Nicholas A. Christakis)
Marketing Science 30 (2): 213–216 (March–April 2011)
78. Social Network Determinants of Depression
(with J. Niels Rosenquist, Nicholas A. Christakis)
Molecular Psychiatry 16 (3): 273–281 (March 2011)
79. Causality in Political Networks
(with Michael T. Heaney, David W. Nickerson, John F. Padgett, Betsy Sinclair)
American Politics Research 39 (2): 437–480 (March 2011)
80. Correlated Genotypes in Friendship Networks
(with Jaime E. Settle, Nicholas A. Christakis)
PNAS 108 (5): 1993–1997 (1 February 2011)
81. Distance Measures for Dynamic Citation Networks
(with Michael J. Bommarito II, Daniel Martin Katz, Jon Zelner)
Physica A 389 (19): 4201–4208 (1 October 2010)
82. Friendships Moderate an Association Between a Dopamine Gene Variant and Political Ideology
(with Jaime E. Settle, Christopher T. Dawes, Nicholas A. Christakis)
Journal of Politics 72 (4): 1189–1198 (October 2010)
83. Social Network Sensors for Early Detection of Contagious Outbreaks
(with Nicholas A. Christakis)
PLOS ONE 5 (9): e12948 (15 September 2010)
84. The Behavioral Logic of Collective Action: Partisans Cooperate & Punish More Than Non-Partisans
(with Oleg Smirnov, Christopher T. Dawes, Tim Johnson, Richard McElreath)
Political Psychology 31 (4): 595–616 (August 2010)
85. The Spread of Alcohol Consumption Behavior in a Large Social Network
(with J. Niels Rosenquist, Joanne Murabito, Nicholas A. Christakis)
Annals of Internal Medicine 152 (7): 426–433 (6 April 2010)

86. Cooperative Behavior Cascades in Human Social Networks
(with Nicholas A. Christakis)
PNAS 107 (12): 5334–5338 (23 March 2010)
87. The Spread of Sleep Loss Influences Drug Use in Adolescent Social Networks
(with Sara C. Mednick, Nicholas A. Christakis)
PLOS ONE 5 (3): e9775 (19 March 2010)
88. Legislative Success in a Small World: Social Network Analysis and the Dynamics of Congressional Legislation
(with Wendy K. Tam Cho)
Journal of Politics 72 (1): 124–135 (January 2010)
89. Alone in the Crowd: The Structure and Spread of Loneliness in a Large Social Network
(with John T. Cacioppo, Nicholas A. Christakis)
Journal of Personality and Social Psychology 97 (6): 977–991 (December 2009)
90. The Heritability of Partisan Attachment
(with Jaime E. Settle and Christopher T. Dawes)
Political Research Quarterly 62 (3): 601–613 (September 2009)
91. Partisanship, Voting, and the Dopamine D2 Receptor Gene
(with Christopher T. Dawes)
Journal of Politics 71 (3): 1157–1171 (July 2009)
92. The Role of Egalitarian Motives in Altruistic Punishment
(with Tim Johnson, Christopher T. Dawes, Richard McElreath, Oleg Smirnov)
Economics Letters 102 (3): 192–194 (March 2009)
93. Model of Genetic Variation in Human Social Networks
(with Christopher T. Dawes and Nicholas A. Christakis)
PNAS 106 (6): 1720–1724 (10 February 2009)
94. Computational Social Science
(with David Lazer, Alex (Sandy) Pentland, Lada Adamic, Sinan Aral, Albert-László Barabási, Devon Brewer, Nicholas Christakis, Noshir Contractor, Myron Gutmann, Tony Jebara, Gary King, Michael Macy, Deb Roy, Marshall Van Alstyne)
Science 323 (5919): 721–723 (6 February 2009)
95. Social Network Visualization in Epidemiology
(with Nicholas A. Christakis)
Norwegian Journal of Epidemiology 19 (1): 5–16 (2009)
96. Dynamic Spread of Happiness in a Large Social Network: Longitudinal Analysis Over 20 Years in the Framingham Heart Study
(with Nicholas A. Christakis)
British Medical Journal 337: a2338; doi:10.1136/bmj.a2338 (4 December 2008)
97. Biology, Politics, and the Emerging Science of Human Nature
(with Darren Schreiber)
Science 322 (5903): 912–914 (7 November 2008)
98. Estimating Peer Effects on Health in Social Networks
(with Nicholas A. Christakis)
Journal of Health Economics 27 (5): 1400–1405 (September 2008)

99. Two Genes Predict Voter Turnout
(with Christopher T. Dawes)
Journal of Politics 70 (3): 579–594 (July 2008)
100. The Colbert Bump in Campaign Donations: More Truthful Than Truthy
PS: Political Science & Politics 41 (2): 533–539 (July 2008)
101. The Collective Dynamics of Smoking in a Large Social Network
(with Nicholas A. Christakis)
New England Journal of Medicine 358 (21): 2249–58 (22 May 2008)
102. Genetic Variation in Political Participation
(with Laura A. Baker, Christopher T. Dawes)
American Political Science Review 102 (2): 233–248 (May 2008)
103. On the Evolutionary Origin of Prospect Theory Preferences
(with Rose McDermott, Oleg Smirnov)
Journal of Politics 70 (2): 335–350 (April 2008)
104. Heritability of Cooperative Behavior in the Trust Game
(with David Cesarini, Christopher T. Dawes, Magnus Johannesson, Paul Lichtenstein, Björn Wallace)
PNAS 105 (10): 3721–3726 (11 March 2008)
105. Community Structure in Congressional Networks
(with Yan Zhang, A.J. Friend, Amanda L. Traud, Mason A. Porter, Peter J. Mucha)
Physica A 387 (7): 1705–1712 (1 March 2008)
106. A Tournament of Party Decision Rules
(with Michael Laver)
Journal of Conflict Resolution 52 (1): 68–92 (February 2008)
107. The Authority of Supreme Court Precedent
(with Sangick Jeon)
Social Networks 30 (1): 16–30 (January 2008)
108. Social Networks in Political Science: Department Attractiveness and Ph.D. Placement
(with Bernard N. Grofman, Natalie Masuoka)
PS: Political Science & Politics 40 (4): 729–739 (October 2007)
109. Does Self-Citation Pay?
(with Dag W. Aksnes)
Scientometrics 72 (3): 427–437 (September 2007)
110. Beyond the Self: Altruism, Social Identity, and Political Participation
(with Cindy D. Kam)
Journal of Politics 69 (3): 813–827 (August 2007)
111. The Spread of Obesity in a Large Social Network Over 32 Years
(with Nicholas A. Christakis)
New England Journal of Medicine 357 (4): 370–379 (26 July 2007)
112. Network Analysis & the Law: Measuring the Legal Importance of Supreme Court Precedents
(with Timothy R. Johnson, James F. Spriggs II, Sangick Jeon, Paul J. Wahlbeck)
Political Analysis 15 (3): 324–346 (July 2007)

113. Egalitarian Motives in Humans
(with Christopher T. Dawes, Richard McElreath, Oleg Smirnov, Tim Johnson)
Nature 446: 794–796 (12 April 2007)
114. Moving with the Mandate: Policy-Motivated Parties in Dynamic Political Competition
(with Oleg Smirnov)
Journal of Theoretical Politics 19 (1): 9–31 (January 2007)
115. The Southern California Twin Register at the University of Southern California: II
(with Laura A. Baker, Mafalda Barton, Adrian Raine)
Twin Research and Human Genetics 9 (6): 1–8 (December 2006)
116. Legislative Cosponsorship Networks in the U.S. House and Senate
Social Networks 28 (4): 454–465 (October 2006)
117. Connecting the Congress: A Study of Cosponsorship Networks
Political Analysis 14 (4): 456–487 (Fall 2006)
118. Altruism and Turnout
Journal of Politics 68 (3): 674–683 (August 2006)
119. Patience as a Political Virtue: Delayed Gratification and Turnout
(with Cindy Kam)
Political Behavior 28 (2): 113–128 (June 2006)
120. Habitual Voting and Behavioral Turnout
Journal of Politics 68 (2): 335–344 (May 2006)
121. Elections & Markets: The Effect of Partisan Orientation, Policy Risk, & Mandates on the Economy
Journal of Politics 68 (1): 89–103 (February 2006)
122. Second Order Free Rider Problem Solved?
Nature 437; doi:10.1038/nature0420 (22 September 2005)
123. Altruistic Punishment and the Origin of Cooperation
PNAS 102 (19): 7047–7049 (May 10 2005)
124. Dynamic Responsiveness in the U.S. Senate
American Journal of Political Science 49 (2): 299–312 (April 2005)
125. Egalitarian Motives May Underlie Altruistic Punishment
(with Tim Johnson, Oleg Smirnov)
Nature 433; doi:10.1038/nature03256 (6 January 2005)
126. Dynamic Parties and Social Turnout
(with Oleg Smirnov)
American Journal of Sociology 110 (4): 1070–1094 (January 2005)
127. The U.S. Role in South Korean Democratization
Political Science Quarterly 114: 265–288 (Summer 1999)

Book Chapters

128. Genes, Games, and Political Participation
(with Peter J. Loewen, Jaime E. Settle, Christopher T. Dawes)
in Rose McDermott and Peter K. Hatemi, ed., *Man is by Nature a Political Animal: Evolution, Biology, and Politics*, University of Chicago Press, 207–223 (2011)
129. Turnout in a Small World
in Alan Zuckerman, ed., *The Social Logic of Politics: Personal Networks as Contexts for Political Behavior*, Temple University Press, 269–287 (2005)
130. The U.S. Role in South Korean Democratization
in Demetrios Caraley, ed., *The New American Interventionism: Lessons from Successes and Failures*, New York: Columbia University Press, 135–158 (2000)

Op-Eds

131. On Overconfidence
(with Dominic D.P. Johnson)
SEED (7 January 2011)
132. Do Tweets Change Behavior?
(with Nicholas A. Christakis)
CNN (16 November 2010)
133. Facebook, Friends, and Getting Fat
(with Nicholas A. Christakis)
CNN (7 December 2009)
134. Love the One You're With
(with Nicholas A. Christakis)
Scientific American Mind 20 (6): 48–55 (December 2009)
135. A Connected Life is a Great Gift
(with Nicholas A. Christakis)
Los Angeles Times (26 November 2009)
136. Sharing the Wealthiness: Democrats Can Count on the 'Colbert Bump'
Los Angeles Times (28 February 2008)

Rejoinders

137. Rejoinder to commentaries on social contagion theory
(with Nicholas A. Christakis)
Statistics in Medicine 32 (4): 597–599 (February 2013)
138. The Spread of Obesity in a Large Social Network Over 32 Years
(with Nicholas A. Christakis)
New England Journal of Medicine 357 (18): 1867–1868 (1 November 2007)
139. Response to Professor Frederking
(with Bernard N. Grofman, Natalie Masuoka)
PS: Political Science & Politics 41 (1): 648 (October 2007)

Book and Article Reviews

140. The Mathematics of Murder
(with Adeline Lo)
Nature 501: 170–171 (12 September 2013)
141. A Random World is a Fair World
(with Nicholas A. Christakis)
PNAS 110 (7): 2440–2441 (12 February 2013)
142. Life Interwoven
Nature 484: 448–449 (26 April 2012)

Honors

- SIGEST* Outstanding Paper Award (2017)
- Altmetric* Top 100 Articles of the Year (2016)
- Politico* 50 “key thinkers, doers, and dreamers reshaping American politics” (2014)
- Nifty 50, USA Science and Engineering Festival (2014)
- Best Paper published in *Annals of Epidemiology* (2013)
- Future-ish*, List of Top Public Intellectuals (PISA) (2013)
- Best Paper published in *Leadership Quarterly* (2013)
- TechCrunch*, 20 Most Innovative People in Democracy (2012)
- How Stuff Works*, 10 Scientists Rocking Our World (2012)
- Nieman Journalism Lab*, Top Ten Social Media Papers of the Year (2012)
- Discover Magazine’s* Year in Science (2011)
- Best Paper of the Year, International Society for Environmental Epidemiology (2011)
- Honorary Member, *Sigma Beta Delta* Honor Society (2011)
- Fellow, John Simon Guggenheim Memorial Foundation (2010)
- Foreign Policy’s* Top 100 Global Thinkers (2010)
- Emerging Scholar Award, American Political Science Association (EPOVB Section, 2010)
- Runner-Up, Best Non-Fiction Book, San Francisco Book Festival (for *Connected*) (2010)
- Winner, Books for a Better Life Award (for *Connected*) (2009)
- Business Week’s* Best Innovation and Design Books of the Year (for *Connected*) (2009)
- New York Times* Editor’s Choice (for *Connected*) (2009)
- Harvard Business Review* Breakthrough Ideas of the Year (2009)
- San Diego Science Festival’s *Nifty Fifty* “most inspiring scientists” (2009)
- New York Times Magazine* Year in Ideas (2008)

Time Magazine Year in Medicine (2008)

The McLaughlin Group's "most original thinker" (2008)

University of California Office of the President Market Recognition Award (2008)

Seminole High School Hall of Fame (2008)

Time Magazine Year in Medicine (2007)

Winner, Time-Sharing Experiments in the Social Sciences Third Special Competition (2005)

Best Paper at the Midwest Political Science Association meeting, EITM Section (2003)

Bok Center Teaching Award, Harvard University (2000, 2001, 2002, 2003)

Harvard University Nebel Fellow (1999–2000)

Harvard University Buttenweiser Fellow (1998–1999)

Yale University Fellow (1995–1997)

John Harvard Scholar (1990–1991)

Harvard Scholar (1988–1992)

Grants

Frontiers of Innovation Scholars Program

(with Lucas de Abreu Maia)

UCSD 2017–2018 (\$25,000) G3035

Social Networks and Neonatal Outcomes in Rural Honduras

(with Nicholas Christakis)

Bill and Melinda Gates Foundation 2014–2018 (\$4.2 million) OPP1098684

Beyond Technical Security: Developing an Empirical Basis for Socio-Economic Perspectives

(with Stefan Savage)

National Science Foundation Frontier Grant 2013–2018 (\$4.7 million) CNS-1237264

Frontiers of Innovation Scholars Program

(with Nick Obradovich)

UCSD 2015–2016 (\$25,000) G2040

Online and Offline Activism in Egypt and Bahrain

(with Zachary Steinert-Threlkeld)

U.S. Agency for International Development 2014–2015 (\$50,000) AID-OAA-A-12-00039

Exploring How Social Networks Affect Health and Health Care

(with Nicholas Christakis)

Robert Wood Johnson Foundation Pioneer Grant 2011–2015 (\$2.8 million) 67919

Resource for Analysis, Visualization, and Integration of Networks (RAVIN)

(with Trey Ideker)

National Institute for General Medical Sciences 2010–2015 (\$6.5 million) P41 GM103504-03

Climate Messaging Research and Development

(with Nick Obradovich)

Skoll Global Threats Fund 2014 (\$70,000) 14-02239

SMART: Social/Mobile Approach to Reduce Weight

(with Kevin Patrick)

National Heart, Lung, and Blood Institute 2009–2014 (\$3 million) U01 HL096715

Networks and Neighborhoods

(with Nicholas Christakis)

National Institute on Aging 2008–2014 (\$11 million) P-01 AG-031093

Coevolution, Interconnections, & Communities of Social & Political Networks in the US Congress

(with Mason Porter)

James S. McDonnell Foundation 2009–2013 (\$410,000) JSMF#220020177/SCS

Social Networks and Infant Skin Care Practices in Uttar Pradesh Planning Grant

(with Nicholas Christakis)

Bill and Melinda Gates Foundation 2012–2013 (\$370,000)

Modeling Group Formation and Change Using Social Motifs

(with Derek Ruths)

IC Postdoctoral Research Fellowship Program 2009–2011 (\$240,000) HM1582-09-BAA-0001

New Wine in Old Wine Skins: Analyzing Existing fMRI Data for Political Insights

(with Martin Paulus and Darren Schreiber)

UC San Diego Interdisciplinary Collaboratories Grant 2009–2011 (\$120,000)

Exploring the Social Contagion of Generosity

(with Nicholas Christakis)

John Templeton Foundation 2010-2011 (\$400,000)

The Genetic Basis of Civic Engagement and Social Networks

National Science Foundation 2007–2010 (\$150,000) SES-0719404

Genopolitics and Political Context

UC San Diego Committee on Research 2010 (\$12,300)

Income Inequality and Partisan Polarization: The View from Within Congress

(with David Epstein and Sharyn O'Halloran)

Russell Sage Foundation 2007–2009 (\$150,000)

Gene-Environment Interactions with the Political Context

National Science Foundation 2008–2009 (\$30,000) SES-0843907

The Neural Basis of Egalitarian Behavior

UC San Diego Committee on Research 2008–2009 (\$11,000)

The Neural Basis of Egalitarian Behavior

CALIT² 2008–2009 (\$6,000)

A Social Network-Based Study of Inter-Individual Health Effects in the Framingham Heart Study

(with Nicholas Christakis)

National Institute on Aging 2004–2008 (\$2.1 million)

The Role of Genetics in Preference Formation

UC San Diego Committee on Research 2007–2008 (\$10,000)

Mapping the Precedent Network of the U.S. Supreme Court

Institute of Government Affairs 2005–2006 (\$4,800)

The Genetic Basis of Voter Behavior

Institute of Government Affairs Junior Faculty Award 2005–2006 (\$5,000)

Turnout and the Dictator

Russell Sage Small Grant in Behavioral Economics 2004–2005 (\$2,500)

Egalitarian Behavior and Altruistic Punishment

Institute of Government Affairs Junior Faculty Award 2004–2005 (\$5,200)

Patience and Turnout

UC Davis Small Grant in Aid of Research 2004–2005 (\$2,000)

Altruism and Turnout

UC Davis New Faculty Research Grant 2003–2004 (\$4,000)

Strategy of Politics

UC Davis Undergraduate Instructional Improvement Program Grant 2004 (\$3,000)

David Rockefeller Center for Latin American Studies Grants, 1999 and 2000

Current Mentoring

Dissertation Committee Chair

1. Lucas de Abreu Maia (UCSD Political Science)
2. Taylor Carlson (UCSD Political Science)
3. Yunkyun Sohn (UCSD Political Science)
4. Paul Zachary (UCSD Political Science)

Dissertation Committee Member

5. Desmond Ang (UCSD Economics)
6. Michael Davidson (UCSD Political Science)
7. Dotan Haim (UCSD Political Science)
8. Sara Kerosky (UCSD Political Science)
9. Huchen Liu (UCSD Political Science)
10. Stan Oklobdzija (UCSD Political Science)
11. Skyler Roth (UCSD Political Science)
12. Pablo Ruiz-Junco (UCSD Economics)
13. Brian Tsay (UCSD Political Science)
14. Amy Van Cise (UCSD Oceanography)
15. Carmel Witte (UCSD Global Public Health)

Mentees

16. Tommi Gaines (Asst. Prof., UCSD Global Public Health)
17. May Sudhinaraset (Asst. Prof., UCSF Epidemiology and Biostatistics)
18. Karla Wagner (Asst. Prof., UCSD Global Public Health)
19. Brooke S. West (Asst. Prof., UCSD Global Public Health)

Past Mentoring

Dissertation Committee Chair

20. Robert M. Bond (Asst. Prof., Ohio State Communications)
21. Christopher T. Dawes (Assoc. Prof., NYU Politics)
22. Christopher J. Fariss (Asst. Prof., Michigan Political Science)
23. Scott M. Guenther (Postdoc, Princeton)
24. William R. Hobbs (Postdoc, Harvard/Northeastern)
25. Jeremy D. Horowitz (PhD, UCSD Political Science)
26. D. Alex Hughes (Postdoc, Berkeley)
27. John Kuk (Postdoc, Washington University St. Louis)
28. Brad L. LeVeck (Asst. Prof., UC Merced)
29. Adeline Lo (Postdoc, Princeton)
30. Nick Obradovich (Postdoc, Harvard/MIT Media Lab)
31. Holly B. Shakya (Asst. Prof., UCSD Global Public Health)
32. Jaime E. Settle (Asst. Prof., William & Mary Political Science)
33. Zachary Steinert-Threlkeld (Asst. Prof., UCLA Anderson)

Dissertation Committee Member

34. David Joe Bigham (PhD, UCSD Music)
35. Travis Brayak (Economist, Amazon.com)
36. Neha Chachra (Research Scientist, Facebook)
37. Lorenzo Coviello (Data Scientist, Google)
38. Skyler Cranmer (Assoc. Prof., Ohio State Political Science)
39. Cesi Cruz (Asst. Prof., UBC Political Science)
40. Saul Cunow (Analyst Institute)
41. Elaine Denny (Asst. Prof., UC Merced Political Science)
42. Graton Gathright (Economist, U.S. Census)
43. Laura Gee (Asst. Prof., Tufts Economics)
44. Gabriele Guerrini (Postdoc, EUCENTRE)
45. Molly Hamilton (Content Analyst, Hanover Research)
46. Hans Hassell (Asst. Prof., Cornell College Political Science)
47. Matan Hofree (Postdoc, Broad Institute)
48. Tim Johnson (Asst. Prof., Willamette Graduate School of Management)
49. David A. Kim (MD-PhD program, Harvard Medical School)
50. Matthew S. Leslie (Postdoc, Smithsonian Institute)
51. Nazita Lajevardi (Asst. Prof., Michigan State Political Science)
52. Yonatan Lupu (Asst. Prof., GWU Political Science)
53. Gina Merchant (Postdoc, UCSD Global Health)
54. Steven Oliver (Asst. Prof., Yale-NUS)
55. Jennifer Radin (Research Scientist, Scripps Translational Science Institute)
56. Alex E. Ruiz (Data Scientist, MTV Networks)
57. Derek Stafford (Postdoc, Yale)
58. Matthew J. Tobolski (Engineer, Tobolski Watkins Engineering)
59. Neil Visalvanich (Asst. Prof., Durham U.)

60. Andrew S. Waugh (Visiting Asst. Prof., Tulane)

Postdoctoral Students

- 61. Jason J. Jones (Asst. Prof., Stony Brook Sociology)
- 62. Peter J. Loewen (Assoc. Prof., Toronto Political Science)
- 63. Angela Nelson (PhD, Indiana Cognitive Science)

Mentees

- 64. Rachel Shelton (Asst. Prof., Columbia School of Public Health)
- 65. Abby Rudolph (Asst. Prof., Boston U School of Public Health)

External Examiner

- 66. Gillian Sandstrom (Lecturer, University of Essex)
- 67. Maurice Champagne (PhD, GMU Political Science)

Classroom Experience

University of California, San Diego (2006–present)

Seminar on Multidisciplinary Methods in Political Science: Social Networks; Seminar on Multidisciplinary Methods in Political Science: Computational Social Science; Seminar on Multidisciplinary Methods in Political Science: Biology; Politics, Puzzles, and Games; International Studies Honors Thesis Seminar; Political Science Honors Thesis Seminar

Duke University (2008)

Empirical Implications of Theoretical Models – Computational Models and Social Networks

University of California, Los Angeles (2007)

Empirical Implications of Theoretical Models – Computational Models and Social Networks

University of California, Davis (2004–2006)

Seminar in Research Methods: Game Theory; Introduction to Modeling Politics; Advanced Formal Models; Scientific Study of Politics; Democratic Theory; Strategy of Politics

Harvard University (1999–2003)

Sophomore Tutorial: Constitutional Democracy in America; Thinking about Politics; Strategy of International Politics; Mathematics for Political Scientists; The Modern World Economy, 1873–2000; Growth and Development in Historical Perspective

Yale University (1996–1997)

Strategy Technology and War; The United Nations and World Order

U.S. Peace Corps Ecuador (1992–1994)

Health Promotion; English as a Second Language

Professional Activity

Associate Editor: *Network Science* (2012–); *Research and Politics* (2013–)

Editorial Board Member: *Journal of Experimental Political Science* (2013–); *American Journal of Political Science* (2010–2013); *Journal of Politics* (2009–2013); *Political Analysis* (2007–2009)

National Academies Keck Futures Initiative Steering Committee on Social Behaviors (2013)

Advisory Board Member: *Canadian Election Studies* (2009); *Political Behavior: Cognition, Psychology, & Behavior*, Social Science Research Network (2007–)

NetSci Steering Committee (2014)

Chair: AJPS Best Article Award Committee (2011)

Representative from APSA to AAAS (2008–2010)

Co-Organizer: *Harvard Political Networks Conference* (2008, 2009)

Co-Founder, *Political Networks* (2008)

Empirical Implications of Theoretical Models Summer Institute Faculty (2006–2008)

Occasional Editor: *PLOS Computational Biology*, *PNAS*

Referee: *American Economic Review*, *American Journal of Political Science*, *American Journal of Preventive Medicine*, *American Journal of Sociology*, *American Political Science Review*, *American Politics Research*, *BMC Biology*, *British Journal of Political Science*, *Circulation*, *Current Biology*, *Economics & Human Biology*, *Economics & Politics*, *European Journal of Political Research*, *Evolution & Human Behavior*, *Games & Economic Behavior*, *Israel Science Foundation*, *Journal of Conflict Resolution*, *Journal of Legal Studies*, *Journal of Mathematical Sociology*, *Journal of Political Economy*, *Journal of Politics*, *Journal of Public Economics*, *Journal of Theoretical Biology*, *Legislative Studies Quarterly*, *MacArthur Foundation*, *Michael J. Fox Foundation for Parkinson's Research*, *National Institutes of Health*, *National Science Foundation*, *Nature*, *Nature Communications*, *Physical Review Letters*, *PLOS ONE*, *PNAS*, *Political Analysis*, *Political Behavior*, *Political Psychology*, *Political Research Quarterly*, *Political Science Quarterly*, *Politics & Gender*, *Politics & the Life Sciences*, *Preventive Medicine*, *Proceedings of the Royal Society B*, *Psychological Science*, *Public Opinion Quarterly*, *Quality & Quantity*, *Quarterly Journal of Political Science*, *Rationality & Society*, *Science*, *Social Cognitive & Affective Neuroscience*, *Social Forces*, *Social Justice Research*, *Social Science & Medicine*, *Social Sciences & Humanities Research Council of Canada*, *Social Science Research*, *Sociological Forum*, *Statistical Methodology*, *Time-Sharing Experiments in the Social Sciences (TESS)*, *Trends in Genetics*

Panel Chair/Discussant: NetSci09, APSA annual meeting (2002, 2004, 2005, 2007, 2008), MPSA (2006), David Rockefeller Center for Latin American Studies Conference (2000)

Department and University Service

Political Science Omnibus Search Committee (2016–)

Independent Review Committee on Conflict of Interest (2013–)

Graduate Admissions Committee (2008–2010; 2012–2013; 2015–)

Human Nature Group co-Founder (2008–)

American Politics Exam Committee (2006–2015)

Methods Exam Committee (2003–2006, 2010–2015)

Dean's Visioning Committee for a New Social Science Building (2016)

Epidemiology Search Committee (2015)

Psychiatry Chair Search Committee (2013–2014)

Methods Search Committee (2011–2014)

CALIT² Divisional Council Member (2009–2013)

Committee for Limited Submissions in the Social Sciences, Arts and Humanities, Professions and Applied Sciences (2012–2013)

Methods Search Committee Chair (2012)

American and Comparative Politics Search Committee (2010–2011)

National Center of Leadership in Academic Medicine Mentor (2011)

APIP Speaker Series Co-coordinator (2009–2011)

Social Sciences Division Task Force for the Future (2009–2010)

Academic Senate representative (2008–2011)

Graduate Fellowship Committee (2008–2009)

UCSD Last Lecture Series Speaker (2009)

UCSD Student Life Cluster Meeting Speaker (2009)

Warren Honors College Program Speaker (2009–2010)

UCSD Osher Lifelong Learning Institute Speaker (2008, 2010)

Math Camp Instructor (2006–2009)

Undergraduate Curriculum Committee (2006–2007)

Speakers and Visitors Committee (2004–2006)

Infrastructure Committee (2003–2005)

Department of Social Sciences Computer Lab Committee (2004–2005)

Co-Chair, Committee to Create a Math Camp for First Year Graduate Students (2004)

Last Update: July 9, 2017