Jamil Zaki

Office Address

Stanford University Department of Psychology Jordan Hall, Bldg 420 Stanford, CA 94305

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Employment

2012-present Assistant Professor

Department of Psychology

Stanford University

Director

Stanford Social Neuroscience Laboratory

Education

2010-2012	Postdoctoral Fellow
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Department of Psychology

Harvard University

2010 Ph.D., Psychology

Columbia University

2002 B.A., Cognitive Neuroscience

Boston University

Awards & Honors

2017	Sage Young Scholar Award, Foundation for Personality and Social Psychology
2016	Early Career Award, Society for Social Neuroscience
2015	CAREER Award, National Science Foundation
2015	Janet T. Spence Award for Transformative Early Career Contribution, Association for Psychological Science
2014	Aldon and Winifred Brown Faculty Fellowship, Stanford University
2014	Dean's Award for Distinguished Teaching, Stanford University

2013	"Rising Star" Award, Association for Psychological Science
2012	Postdoctoral Fellow Award, Cognitive Neuroscience Society
2012	Bok Certificate for Excellence in Teaching, Harvard University
2010	Neuroscience Scholar Award, Society for Neuroscience
2010	Outstanding Graduate Student Research Award, Society for Personality and Social Psychology
2010	Fellowship, Cold Spring Harbor Workshop on Social Cognition
2009	Graduate Student Research Award, Association for Psychological Science
2008	Predoctoral Fellowship, Autism Speaks
2008	International Travel Award, American Psychological Association
2008	Travel Award, Society for Personality and Social Psychology
2007	Fellowship, Summer Institute in Cognitive Neuroscience
2004	Ambassadorial Scholarship, Rotary International
1998	Merit Award, Boston University
1998	National Hispanic Scholar

Publications

2042

(*Stanford Social Neuroscience Lab trainee; *equal author contribution)

- 1. Ong, D.+, **Zaki, J.**, Gruber, J. (in press). Increased Cooperative Behavior across Remitted Bipolar I Disorder and Major Depression: Insights Utilizing a Behavioral Economic Trust Game. *Journal of Abnormal Psychology*
- 2. Hughes, B.+ & **Zaki**, **J.** (in press). Trusting outgroup, but not ingroup, members requires control: Neural and behavioral evidence. *Social Cognitive Affective Neuroscience*
- 3. Weisz, E.* & **Zaki**, **J.** (forthcoming) Empathy building interventions: A review of existing work and suggestions for future directions. In Doty, J. et al. (Eds) <u>Oxford Handbook of Compassion Science</u>. Oxford University Press
- 4. **Zaki, J.**, Kallman, S., Wimmer, G.E., Ochsner, K.*, & Shohamy, D.* (in press). Social cognition as reinforcement learning: Feedback modulates emotion inference. *Journal of Cognitive Neuroscience*
- 5. Hughes, B.+ & **Zaki**, **J.** (in press). Motivation alters impression formation and related neural systems. *Social Cognitive Affective Neuroscience*
- 6. **Zaki, J.** (forthcoming). Empathy is a moral force. In Gray, K. & Graham, J. (Eds.), <u>The Atlas of Moral Psychology</u>. Guilford Press, New York, NY

- 7. **Zaki, J.**, & Mitchell, J. (forthcoming). Prosociality as a form of reward seeking. In Greene, J. & Morrison, I. (Eds), <u>Positive Neuroscience</u>. Oxford University Press
- 8. Morisson, A., Mateen, M., Brozovich, F., **Zaki, J.**, Goldin, P., Heimberg, R., & Gross, J. (in press). Empathy for Positive and Negative Emotions in Social Anxiety Disorder. *Behaviour Research and Therapy*
- 9. Nook, E. +*, Ong, D. +, Morelli, S. +, Mitchell, J., & **Zaki, J.*** (2016). Prosocial conformity: Prosocial norms generalize across behavior and empathy. *Personality and Social Psychology Bulletin* 42(8), 1045-1062
- 10. Oh, C., Weisz, E.+, **Zaki, J.**, & Bailenson, J. (2016). Virtually old: Embodied perspective taking and the reduction of ageism under threat. *Computers in Human Behavior* 60, 398-410
- 11. **Zaki, J.** & Ochsner, K. (2016). Empathy. In Feldman-Barrett, L., Lewis, M., & Haviland-Jones, J. M. (Eds.): <u>Handbook of Emotion</u>, 4th Edition. New York, Guilford. 871-884
- 12. **Zaki, J.**, Wager, T., Singer, T., Keysers, C., & Gazzola, V. (2016). The anatomy of suffering: Understanding relationships between nociceptive and empathic pain. *Trends in Cognitive Sciences* 20(4), 249-259
- 13. Devlin, H., Ong, D.+, **Zaki, J.**, & Gruber, J. (2016). Tracking the emotional highs but missing the lows: Hypomania risk is associated with positively biased empathic inference. *Cognitive Therapy and Research* 40(1), 72-79
- 14. Olsson, A., McMahon, K., Papenberg, G., **Zaki, J.**, Bolger, N., & Ochsner, K., (2016). Vicarious fear learning depends on empathic appraisals and trait empathy. *Psychological Science* 27(1), 25-33
- 15. Tamir, D., **Zaki, J.**, & Mitchell, J. (2015). Informing others is associated with behavioral and neural signatures of value. *Journal of Experimental Psychology: General* 144(6), 1114-1123
- 16. Pehrs, C., **Zaki, J.**, Schlochtermeier, L., Jacobs, A., Kuchinke, L., & Koelsch, S. (2015). The temporal pole modulates the ventral visual stream during social cognition. *Cerebral Cortex*
- 17. Bartz, J. A., Lydon, J. E., Kolevzon, A., **Zaki, J.**, Hollander, E., Ludwig, N., Bolger, N. (2015). Differential effects of oxytocin on agency and communion for anxiously and avoidantly attached individuals. *Psychological Science* 26(8), 1177-1186
- 18. Nook, E.+, Lindquist, K., & **Zaki**, J. (2015). A new look at emotion perception: Concepts speed and shape facial emotion recognition. *Emotion* 15(5), 669-578
- 19. **Zaki, J.*** & Cikara, M.* (2015). Addressing empathic failures. *Current Directions in Psychological Science* 24, 471-476

- 20. Ong, D.+, **Zaki, J.**, & Goodman, N. (2015). Affective cognition: Exploring lay theories of emotion. *Cognition* 143, 141-162
- 21. Morelli, S. +, Lee, I., Arnn, M. +, & **Zaki**, J. (2015). Emotional and instrumental support provision interact to predict well-being. *Emotion* 15(4), 484-493
- 22. Ong, D.+, Goodman, N., & **Zaki**, **J.** (2015). Near-misses sting even when they are uncontrollable. *Proceedings of the 37th Annual Meeting of the Cognitive Science Society*
- 23. Nook, E.+ & **Zaki**, **J.** (2015). Social norms shift behavioral and neural responses to foods. *Journal of Cognitive Neuroscience* 27(7), 1412-1426
- 24. Morelli, S.+, Sacchet, M., & **Zaki**, J. (2015). Common and distinct neural correlates of personal and vicarious reward: A quantitative meta-analysis. *NeuroImage* 112, 244-253
- 25. Hughes, B.⁺ & **Zaki**, **J.** (2015). The neuroscience of motivated cognition. *Trends in Cognitive Sciences* 19(2), 62-64
- 26. Morelli, S.+, Lieberman, M., & **Zaki, J.** (2015). The emerging study of positive empathy. *Social and Personality Psychology Compass* 9(2), 57-68
- 27. Devlin, H., Ong, D.+, **Zaki, J.**, & Gruber, J. (2014). Not as good as you think? Trait positive emotion is associated with increased self-reported empathy but decreased empathic performance. *PLOS One* 9(10), e110470
- 28. **Zaki, J.** (2014). Empathy: A motivated account. *Psychological Bulletin* 140(6), 1608-1647
- 29. Schumann, K., **Zaki**, J., & Dweck, C. (2014). Addressing the Empathy Deficit: Beliefs about the Malleability of Empathy Predict Effortful Responses when Empathy is Challenging. *Journal of Personality and Social Psychology* 107(3), 475-493.
- 30. **Zaki, J.,** Lopez, G., & Mitchell, J. (2014). Activity in ventromedial prefrontal cortex covaries with revealed social preferences: Evidence for person-invariant value. *Social Cognitive Affective Neuroscience* 9(4), 464-469
- 31. Ripoll, L., **Zaki, J.**, Perez-Rodriguez M., Snyder R., Strike KS., Boussi A., Bartz JA., Ochsner K., & New A. (2013). Empathic Accuracy and Cognition in Schizotypal Personality Disorder. *Psychiatry Research* 210(1), 232-241
- 32. **Zaki, J.**, & Mitchell, J. (2013). Intuitive prosociality. *Current Directions in Psychological Science* 22(6), 466-470
- 33. **Zaki, J.**, & Ochsner, K. (2013). Neural sources of empathy: An evolving story. In Baron-Cohen, S., Tager-Flusberg, H., & Lombardo, M. (Eds), <u>Understanding Other Minds</u>, 3rd Edition. Oxford University Press.
- 34. **Zaki, J.**, & Williams, W.C.+ (2013). Interpersonal emotion regulation. *Emotion* 13(5), 803-810
- 35. Moran, J., & Zaki, J. (2013). Functional neuroimaging and psychology: What have

- you done for me lately? Journal of Cognitive Neuroscience 25(6), 834-842
- 36. **Zaki, J.** (2013). Cue integration: A common framework for social cognition and physical perception. *Perspectives on Psychological Science* 8(3), 296-312
- 37. Harvey, P., **Zaki, J.**, Lee, J., Ochsner, K., & Green, M. (2012). Neural substrates of empathic accuracy in people with schizophrenia. *Schizophrenia Bulletin*
- 38. **Zaki, J.** & Ochsner, K. (2012). The neuroscience of empathy: Progress, pitfalls, and promise. *Nature Neuroscience* 15(5), 675-680
- 39. Waytz, A., **Zaki, J.**, & Mitchell, J. (2012). Response of dorsomedial prefrontal cortex predicts altruistic behavior. *Journal of Neuroscience* 32(22), 7646-7650
- 40. **Zaki, J.***, Davis, J.*, & Ochsner, K. (2012). Overlapping activity in anterior insula during interoception and emotional experience. *NeuroImage* 62(1), 493-499
- 41. **Zaki J.**, Weber J and Ochsner K (2012). Task-dependent neural bases of perceiving emotionally expressive targets. *Front. Hum. Neurosci.* 6, 228
- 42. **Zaki, J.** & Ochsner, K. (2011). You, me, and my brain; Self and other representations in cognitive neuroscience. In Todorov, A., Fiske, S. & Prentice, D. (Eds). <u>Social Neuroscience: Toward Understanding the Underpinnings of the Social Mind</u>. Oxford University Press.
- 43. **Zaki, J.**, Schirmer, J., & Mitchell, J. (2011). Social influence modulates the neural computation of value. *Psychological Science* 22(7), 894-900
- 44. Lee, J., **Zaki, J.**, Harvey, P., Ochsner, K., & Green, M. (2011). Schizophrenia patients are impaired in empathic accuracy. *Psychological Medicine* 41(11), 2297-2304
- 45. Bartz, J.*, **Zaki**, **J.***, Bolger, N., & Ochsner, K. (2011). The social effects of oxytocin in humans: Context and person matter. *Trends in Cognitive Sciences* 15(7), 301-309
- 46. **Zaki, J.** & Ochsner, K. (2011). The cognitive neuroscience of sharing and understanding others' emotions. In Decety, J. (Ed). <u>Empathy: From Bench to Bedside</u>. MIT Press.
- **Zaki, J.** & Ochsner, K. (2011). Re-integrating accuracy into social cognition research. *Psychological Inquiry* 22(3), 159-182
- 48. **Zaki, J.** & Mitchell, J. (2011). Equitable decision making is associated with neural markers of intrinsic value. *PNAS* 108(49), 19761-19766
- 49. **Zaki, J.**, Hennigan, K., Weber, J., & Ochsner, K. (2010). Social cognitive conflict resolution: The role of domain general and domain specific neural systems. *Journal of Neuroscience* 30(25), 8481-8488
- 50. Bartz, J., **Zaki, J.**, Bolger, N., Hollander, E., Ludwig, N., Kolevzon, A. & Ochsner, K. (2010). Oxytocin selectively improves empathic accuracy in less socially proficient individuals. *Psychological Science* 21(10), 1426-1428

- 51. Bartz, J., **Zaki J.**, Ochsner, K., Lydon, J., Bolger, N., & Kolvezon, A. (2010). Attachment style moderates the effect of oxytocin on maternal recollections. *PNAS* 107(50), 21371-21375
- 52. **Zaki, J.**, Weber, J., Bolger, N., & Ochsner, K. (2009). The neural bases of empathic accuracy. *PNAS* 106(27), 11382-11387
- 53. **Zaki, J.** & Ochsner, K. (2009). The need for a cognitive neuroscience of naturalistic social cognition. *Annals of the New York Academy of Science* 1167, 16-30
- 54. **Zaki, J.**, Bolger, N., & Ochsner, K. (2009). Unpacking the informational bases of empathic accuracy. *Emotion* 9(4), 478-487
- 55. **Zaki, J.**, Bolger, N. & Ochsner, K. (2008). It takes two: The interpersonal nature of empathic accuracy. *Psychological Science* 19(4), 399-404
- 56. Downey, G., **Zaki, J.**, & Mitchell, J. (2008). Different toolkits for different mind readers: A social-cognitive neuroscience perspective on personality and social relationships. In F. Rhodewalt (Ed.), <u>Personality and Social Behavior</u>. New York: Psychology Press
- 57. Downey, G., **Zaki, J.**, & Berenson, K. (2008). Cognitive Psychology: Core principles and clinical applications. In A. Tasman, G. Kay, & J. Lieberman (Eds). <u>Psychiatry</u>, 3rd Edition. John Wiley and Sons
- 58. Ochsner, K., **Zaki, J.**, Hanelin, J., Ludlow, D., Kniermin, K., Ramachandran, T., Glover, G, & Mackey, S. (2008). Your pain or mine? Common and distinct neural systems supporting the perception of pain in self and others. *Social Cognitive and Affective Neuroscience* 3, 144-160
- 59. **Zaki, J.**, Ochsner, K., Hanelin, J., Wager, T., & Mackey, S. (2007). Patterns of connectivity reveal distinct networks for processing pain in self and others. *Social Neuroscience* 2(3), 276-291

Research Funding

September 2016 - August 2021: NIA (1R25AG053213 - 01), Short Courses in Neuroeconomics and Social Neuroscience. (Role: Co-I; PI: Greg Samanez-Larkin)

May 2016 – April 2017: Army Research Office STIR Award, Attitude convergence in small networks (Role: PI)

July 2015 – July 2020: NSF CAREER (BCS-1454518), Building empathy through social psychological interventions (Role: PI)

December 2014 – December 2016: Robert Wood Johnson Foundation (72394), *Developing scalable virtual reality interventions to teach communications skills and build empathy* (Role: Co-PI; PI: Jeremy Bailsenson)

September 2014 – August 2016: NIMH (1R21MH104464 - 01), Relationships as psychological protective factors: Neural and behavioral markers (Role: PI)

June 2014 – June 2015: Google Research Award, Quantifying social influence on the Internet with machine learning (Role: PI)

October 2013 - May 2015: US Army (W911NF-14-1-0001), Social influence as reinforcement learning (Role: PI)

September 2013 – August 2014: Stanford Hellman Faculty Scholars Award, Neural and behavioral markers of stress buffering in relationships (Role: PI)

September 2013 – August 2014: Stanford Center on Advancing Decision Making in Aging (CADMA), *Close other bias in older adults: Effects on prosocial decision-making* (Role: PI)

September 2010 – August 2012: Templeton Foundation Positive Neuroscience Project, *Vicarious neural response to others as a basis for altruistic behavior* (Role: Co-PI; PI Jason Mitchell)

September 2009 – August 2011: National Institute of Mental Health (R21 HD065276-01), *The effects of oxytocin on complex social cognition in autism spectrum disorders* (Role: Co-I; PI: Jennifer Bartz)

Chaired Symposia

Zaki, J. & Cameron, D. (2016, January): The promise and limits of empathy. *Society for Personality and Social Psychology*, San Diego, CA

Zaki, J. & Schilbach, L. (2015, June): Multilevel social neuroscience. *Organization for Human Brain Mapping*, Honolulu, HI

Cameron, D. & **Zaki**, J. (2014, July): Motivated empathy: A person x situation perspective. *European Association for Social Psychology*, Amsterdam, The Netherlands

Olson, K. & **Zaki**, **J.** (2013, January): Human prosociality: Old questions and new answers. *Society for Personality and Social Psychology*, New Orleans, LA

Lewis, K. & **Zaki**, J. (2012, May): How the Other Half Lives: The Role of Targets in Interpersonal Perception. *Association for Psychological Science*, Chicago, IL

Zaki, J., & Ickes, W. (2011, January): Getting it right and why it matters: Adventures in accuracy. *Society for Personality and Social Psychology*, San Antonio, TX.

Zaki, J. & Mitchell, J. (2010, October): Reward in its social context. *Social and Affective Neuroscience Society*, Chicago, IL.

Zaki, J. & Ochsner, K. (2009, February): Sharing and understanding the emotions of others: Relationships between facets of empathy. *Society for Personality and Social Psychology*,

Tampa, FL.

Zaki, J. & Olsson, A. (2008, July): Vicarious emotions: Antecedents, processes & consequences. *International Congress of Psychology*, Berlin, Germany

Invited & Conference Talks

2017

January Society for Personality and Social Psychology, San Antonio, TX

February University of California, Berkeley, CA

March Social and Affective Neuroscience Society, Los Angeles, CA

July World Congress on Positive Psychology, Montreal, QC

2016

January Society for Personality and Social Psychology, San Diego, CA

February Learning and the Brain, San Francisco, CA

April Skoll World Forum, Oxford, UK

June Society for Philosophy and Psychology, Austin, TX

September Social Interactions, Identity, and Well Being, Vancouver, BC

October University of California, Los Angeles, CA

November Society for Neuroscience, San Diego, CA

November Society for Social Neuroscience, San Diego, CA

2015

February University of California, Berkeley, CA

March University of Pennsylvania, Philadelphia, PA

April Society for Affective Science, Oakland, CA

April Wisconsin Symposium on Emotion, Madison, WI May Western Psychological Association, Las Vegas, NV

2014

February Society for Personality and Social Psychology, Austin, TX

March Yale University, New Haven, CT

April Society for Affective Science, Washington, DC

May Society for the Study of Motivation, San Francisco, CA
May Association for Psychological Science, San Francisco, CA

May Caltech, Pasadena, CA

June New Perspectives in Social Neuroscience, Marburg, Germany

July European Association of Social Psychology, Amsterdam, The Netherlands

2013

January Society for Personality and Social Psychology, New Orleans, LA

April Social and Affective Neuroscience, San Francisco, CA

April Stanford Compassion and Business Conference, Stanford, CA

July Wellcome Institute Social Cognition Workshop, Cambridge, UK

August International Society for Research on Emotion, Berkeley, CA

December Defense Advanced Research Project Agency, Arlington, VA

2012

January Stanford CCARE, Stanford, CA

January Society for Personality and Social Psychology, San Diego, CA

February Neuroscience and Social Conflict, Cambridge, MA

March Northeastern University Social Area Meeting, Boston, MA

April Yale Moral Lunch, New Haven, CT

April Cognitive Neuroscience Society, Chicago, IL

April Social and Affective Neuroscience, New York, NY

April IOM Workshop on the Contagion of Violence, Washington, DC

May Association for Psychological Science, Chicago, IL

June Emerging Perspectives, Affective Science Institute, Boston MA

July Cold Spring Harbor Labs Workshop, Banbury, NY

July Science of Compassion, Telluride, CO

October Society for Experimental Social Psychology, Austin, TX

2011

January Departmental Colloquium, Stanford University, Stanford, CA

January Society for Personality and Social Psychology, San Antonio, TX

February Departmental Colloquium, UC Berkeley, Berkeley, CA

February Princeton Neuroscience of Decision-Making, Princeton, NJ

February Harvard Social Psychology Brownbag, Cambridge, MA

March Darmouth Social Brain Sciences Series, Hanover, NH

April AASSA Educator's Conference, Campinas, Brazil
April Cognitive Neuroscience Society, San Francisco, CA

May Departmental Colloquium, University of Oregon, Eugene, OR

May Society of Biological Psychiatry, San Francisco, CA

August Wellcome Institute on Social Cognition, Cambridge, UK

August American Psychological Association, Washington, DC

September Harvard Social Neuroscience Workshop, Cambridge, MA

October University of Wisconsin, Madison, WI
November Society for Neuroscience, Washington, DC
November Princeton Social Brownbag, Princeton, NJ

2010

June Children's Hospital of Philadelphia, Philadelphia, PA

October Social and Affective Neuroscience, Chicago, IL

November Harvard Cognition Brain and Behavior Series, Cambridge, MA

2009

February Society for Personality and Social Psychology, Tampa, FL
March Cognitive Neuroscience Society, San Francisco, CA

May Association for Psychological Science, San Francisco, CA
July Cognitive Science Society, Amsterdam, The Netherlands

2008

February Four College Graduate Student Conference, New Haven CT

July International Congress of Psychology, Berlin, Germany

October Seaver Autism Seminar, Mt. Sinai, New York, NY

November Values and Empathy Across Social Barriers, Barcelona, Spain

2006

October Society for Neuroscience, Atlanta, GA

Professional Service

2015-present Consulting Editor, Social Cognitive and Affective Neuroscience

2015-present	Social Media Co-Chair, Society for Affective Science
2015-17	Member-at-Large, Social and Affective Neuroscience Society Executive Committee
2014-16	Co-Chair, Emotion Preconference, Society for Personality and Social Psychology
2014	Organizer, 7 th annual meeting of the Social and Affective Neuroscience Society, Denver, CO
2013-present	Founder and Board Chairman, The People's Science (www.thepeoplessience.org)
2013-present	Consulting Editor, Emotion

Society Memberships

Ad Hoc Reviewing

Funding Agencies

National Science Foundation John Templeton Foundation European Research Council

Journals

American Psychologist
Archives of General Psychiatry
Biological Psychiatry
Brain and Cognition
Cerebral Cortex
Cognition
Cognition and Emotion
Cognitive, Affective, and Behavioral Neuroscience
Current Biology

Current Directions in Psychological Science

eLife

Emotion

Human Brain Mapping

International Journal of Psychophysiology

JAMA Psychiatry

Journal of Clinical and Experimental Neuropsychology

Journal of Cognitive Neuroscience

Journal of Experimental Social Psychology

Trends in Cognitive Sciences The Journal of Neuroscience Journal of Nonverbal Behavior

Journal of Personality and Social Psychology

Nature Human Behavior Nature Neuroscience

Neuroimage Neuron Pain

Personality and Social Psychology Bulletin Perspectives on Psychological Science

PLOS One PNAS

Psychiatry Research: Neuroimaging

Psychological Science Schizophrenia Bulletin

Social Cognitive and Affective Neuroscience

Teaching

2015 Writing About Psychology

Department of Psychology, Stanford University

2014 Probabilistic Models of Social Cognition and Emotion

Department of Psychology, Stanford University

2014-present Psychology One

Department of Psychology, Stanford University

2013 Human Prosociality

Department of Psychology, Stanford University

2013-present Social Neuroscience

Department of Psychology, Stanford University

2012-present Core Faculty Member

Bay Area Predoctoral Training Consortium in Affective Science

2010-2011	Psychology Live Department of Psychology, Harvard University
2009	Teaching Fellow, <i>Social Psychology</i> Department of Psychology, Columbia University
2008	Teaching Fellow, <i>The Science of Psychology</i> Department of Psychology, Columbia University
2008-2009	Teaching Fellow, <i>Experimental Psychology</i> Department of Psychology, Columbia University
2007	Teaching Fellow, <i>Cognition & The Brain</i> Department of Psychology, Columbia University
2005	Teaching Fellow, <i>Cognition, Memory, & Stress</i> Department of Psychology, Columbia University