

Glenn R. Fox, PhD

Lecturer of Entrepreneurship
Director, USC FoundWell Entrepreneurial Mindset Initiative
Lloyd Greif Center for Entrepreneurial Studies, USC Marshall School of Business
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Office: (213)-821-4691

EDUCATION *Ph.D.*, Neuroscience
University of Southern California, 2014
Ph.D. Mentor: Antonio Damasio MD/Ph.D.

BA with honors, Psychology
University of California, Santa Cruz, 2005

ACADEMIC POSITIONS *Lecturer of Entrepreneurship*
USC Lloyd Greif Center for Entrepreneurial Studies,
Marshall School of Business, 2020 - present
Head of Design, Strategy and Outreach,
USC Performance Science Institute, 2016 - 2020
Post-Doctoral Fellow
Brain and Creativity Institute, USC Department of Psychology 2014-2016
Research Assistant,
Brain and Creativity Institute, 2005 - 2006
Research Assistant,
V.I.S.T.A. Laboratory Stanford University 2005 - 2006
Research Assistant,
Laboratory for Cognitive Neuroscience, Salk Institute, 2005
Research Assistant,
Lab Manager, Embodied Cognition Lab, UCSC 2003 - 2006

PROFESSIONAL CHAIRS & COMMITTEES Academy of Management, Organizational Neuroscience Education Committee
2021 - present

Marshall Undergraduate Curriculum Committee
2021 - present

Greif Center Entrepreneurship Adjunct Faculty Search Lead
2021 - present

Undergraduate Entrepreneurship Core Curriculum Overhaul Committee
Summer 2020

Chief Science Officer
C4 Foundation for Navy SEAL families
2017 - present

Principal Investigator & Entrepreneurship Liaison
USC SMART-VR Research Center
2019 - present

Advisory Board Member
Flow Research Collective
2019 - present

Co-Founder
PhD Insight LLC
Data Science Consulting 2015 - 2020

Chair: Launching Tech Startups for Department of Defense Funding
Army Research Laboratories
Los Angeles, May, 2018

Chair: Brain Health and Fitness Panel
Society for Brain Mapping and Therapeutics
Los Angeles, May, 2017

Co-Chair: Psychophysiologicaly Aware Virtual Agents Workshop
Intelligent Virtual Agents Conference
Los Angeles, September, 2016

Director and Founder of The Research Design Studio
A group dedicated to undergraduate research training, Brain and Creativity Institute,
University of Southern California, 2008 - 2015

Teaching Assistant Fellow, Center for Excellence in Teaching, University of Southern
California, 2009-2010

Treasurer and Programming Officer, Neuroscience Graduate Forum, University of
Southern California, 2008-2009

FUNDING & GRANTS

**Entrepreneurial Mindset Externship Program, collaboration between Silicon
Valley Bank and USC Marshall**

Awarded by USC Marshall, Summer 2021

**Predictive Modeling of Human Performance from Multi-Dimensional
Military and Personality Data.**

Awarded by Army Research Laboratories, 2019-2020

**Expanding the Science and Practice of Gratitude Dissertation Research
Award.**

Awarded by The Greater Good Science Center, 2013

Irving and Jeanne Glovin Endowed Scholarship Award.

Awarded by the Oskar Schindler Humanities Foundation, 2011-2012

AWARDS & HONORS

Best Contribution, Congressi Stefano Franscini, Swiss Federal Institute of Technology
Zurich, Brain Circuits for Positive Emotions Conference, 2014

UCLA NIH Advanced Neuroimaging Training Program, Summer 2013

U.S.C. Neuroscience Graduate Program Student of the Year, 2013

Shoah Foundation Institute Student Fellowship, 2012

University Graduate Assistant Teaching Award for General Education, 2010

Magna Cum Laude, U.C. Santa Cruz, class of 2005

U.C. Santa Cruz Psi-Chi Honors Society 2003

Honors on U.C. Santa Cruz Psychology Department comprehensive exam 2004

**TEACHING
EXPERIENCE**

Founders Dilemmas
University of Southern California
Spring 2021

Management of Small Business
University of Southern California
Fall and Spring, 2020, 2021

The Science of Peak Performance
University of Southern California
Spring 2017 - 2020; Fall 2020, 2021

Neurobiology
Teaching Assistant, University of Southern California
Fall 2009, 2012

Cellular and Molecular Biology
Teaching Assistant, University of Southern California
Spring 2012

General Biology: Organismal Biology and Evolution
Teaching Assistant, University of Southern California.
Fall, 2008, 2011

Brain, Mind and Machines: Topics in Neuroscience
Teaching Assistant, University of Southern California.
Spring 2009 - 2011

General Biology: Organismal Biology and Evolution
Teaching Assistant, University of Southern California
Fall 2008

Human Sexuality
Teaching Assistant, University of California, Santa Cruz
Winter 2006

The Psychology of Trauma
Teaching Assistant, University of California, Santa Cruz
Fall 2005

Adult Development and Aging
Teaching Assistant, University of California, Santa Cruz
Fall 2005

Introduction to Psychology
Teaching Assistant, University of California, Santa Cruz
Spring 2004

**CONFERENCE
PRESENTATIONS
AND SELECTED
INVITED
LECTURES**

[1] *FoundWell: A Neuroscience-backed Program for Entrepreneurial Mindset*
USASBE 2022
Spring, 2022

[2] *Entrepreneurial Mindset 2.0: An Emergent Model of Entrepreneurial Affect*
Assistant Professor Research Day, USC Marshall School of Business

Fall, 2021

- [3] *How the Neuroscience of Gratitude Applies to Stress, Wellbeing, and Flow*
Dr. Mark J. Schaffner Memorial CME Lecture, City of Hope
Fall, 2021
- [4] *Positive Emotion and Entrepreneurial Mindset in High Performance Environments*
Global Careers & Education in Sport Summit
Summer 2021
- [5] *Creating Entrepreneurial Opportunity in Professional Sports*
RDK Sports Management Webinar
Summer 2021
- [6] *Positive Emotion for Emotion Regulation for Founders and Performers*
California State University Dominguez Hills Psychology Department
Colloquium
Fall, 2020
- [7] *Fostering Mental Health in Founders and Entrepreneurs*
Presented by Silicon Valley Bank
Spring, 2020
- [8] *Maintaining Peak Performance in Business During the Quarantine*
Presented by the Flow Research Collective
Online, Spring, 2020
- [9] *Keynote: High Performance Leadership for Tech Firms*
Presented to Technogent IT Firm
San Diego, Spring, 2020
- [10] *Keynote: Applying the Science of Talent Development for Corporate Directors*
Presented to Board of North American Corporate Directors
Los Angeles, Fall, 2019
- [11] *Keynote: Gratitude, Optimism and Resilience in the Workplace*
Presented to Greenberg Glusker Law Firm
Los Angeles, Spring, 2019
- [12] *Keynote: Pillars of the Competitive Mindset for Business Innovation*
Presented at the 2018 PWC Technology, Media and Telecommunications Conference
Half Moon Bay, December, 2018
- [13] *Emotion, Self, and High Performance*
Presented at the 2018 Los Angeles County Lifeguard Arise Summit
Los Angeles, November, 2018
- [14] *The Quantified Marine: Embedded Digital Health*
Presented at the 2018 Body Computing Conference
Los Angeles, September, 2018
- [15] *Keynote: Emotion, Bias, and High Performance Mindset*
Presented at the 2017 Red Bull North America Executive Retreat
Santa Barbara, November, 2017
- [16] *The Neuroscience of Gratitude*
Presented at the 2017 Association of College and University Religious Affairs Annual Meeting
Chapman University, September, 2017
- [17] *Activity Sensors: Who, What, Where, When – Results of the Level Study and Level Product Launch*
Presented at the 2017 Body Computing Conference
Los Angeles, September, 2017

- bibitemBCC2016 *Future World Builds: Predicting the Future of Professional Football* Presented at the 2016 Body Computing Conference
Los Angeles, September, 2016
- [18] *Emotion Regulation for Peak Performance* Presented at the 2016 Heart Rhythm Society Meeting
San Francisco, May, 2016
- [19] *The Neuroscience of Gratitude: Using Testimony to Elicit Powerful Emotion* Presented at the 2016 Shoah Foundation Board of Trustees Meeting
Los Angeles, March, 2016
- [20] *Designing for Emotion; Emotion for Design* Presented to Karten Design full staff meeting
Los Angeles, November, 2015
- [21] *The Neural Bases of Emotion* Distinguished Speaker, USC Lloyd Greif Center for Entrepreneurial Studies
Los Angeles, January, 2016
- [22] *Gratitude: An App or an OS?* Keynote: Lumosity company journal club
San Francisco, October, 2015
- [23] *Hacking Emotion.* Presented at the Center For Body Computing Annual Conference
Los Angeles, October, 2015
- [24] *Using Holocaust Testimony in Research.* Presented at the Association for Holocaust Organizations yearly meeting
Los Angeles, 2015
- [25] *Neural Correlates of Gratitude.* Presented at the Congressi Stefani Franscini, Swiss Federal Institute of Technology, Brain Circuits for Positive Emotion. Ascona, Switzerland, Fall 2014
- [26] *The Basics of Brain Health.* Presented at Inner City Law Center staff meeting.
Los Angeles, CA, 2014
- [27] *The Brain's Virtuous Cycle: An Investigation of Gratitude and Good Human Conduct.* Expanding the Science and Practice of Gratitude Research Workshop, hosted by the Greater Good Science Center and the John Templeton Foundation. Fall 2013
Berkeley, CA, 2013
- [28] *The Fundamentals of Gratitude.* Guest Lecture, U.S.C. Health Psychology Course. Instructor: Darby Saxbe. Fall 2013
Los Angeles, CA, 2013
- [29] *Gratitude and the Brain.* USC Dornsife Campaign Launch kickoff event; presented to USC Trustees and donors
Los Angeles, CA, 2013
- [30] *The Brain's Virtuous Cycle: An Investigation of Gratitude and Good Human Conduct.* U.C. Santa Cruz Psychology Department Colloquium
Santa Cruz CA, March, 2013
- [31] *Diffusion Tensor Imaging of Frontal Lobotomy: A Case Study.* USC Neuroscience Annual Retreat
Lake Arrowhead CA, 2012
- [32] *The Neural Foundations of Emotion.* USC Summer Courses Program
Los Angeles CA, 2012

- [33] *Mapping Gift-Space in the Mind, Body and Brain*. Shoah Foundation Institute Monthly Colloquium, USC
Los Angeles CA, 2012.
- [34] *Teaching With Your Students–Not to Your Students*. Biology Department Teaching Assistant Training, USC,
Los Angeles, CA, 2011.
- [35] *White Matter Imaging and Why: Principles of Diffusion Tensor Imaging Methodology*. Neuroimaging Methods Workshop, Los Angeles, California, USC
Los Angeles CA, 2011.
- [36] *Mutual Dislike Modulates Pain Processing*. USC Neuroscience Graduate Program Symposium, USC
Los Angeles, CA, 2011.
- [37] *A Guide for Running Discussion Sections*. Biology Department Teaching Assistant Training, USC
Los Angeles, CA, 2010.
- [38] *A Case Study of Frontal Lobotomy*. USC Board of Trustees Annual Conference
Palm Desert CA, 2010.
- [39] *Implementing the Jigsaw Classroom Technique in the College Environment*. USC Center For Excellence in Teaching, Symposium
Los Angeles CA, 2010.
- [40] *Handling Tough Classroom Situations*. Dornsife College Teaching Assistant Training, USC
Los Angeles CA, 2009.

**CONFERENCE
POSTER
PRESENTATIONS**

- [1] S. Wu¹, M. Fong, L. Saxon, G. Fox, L. Wiggins, A. Hackmann (2017) *Predicting Outcomes in Patients Requiring Extracorporeal Membrane Oxygenation* International Society for Heart and Lung Transplantation Annual Meeting San Digo
- [2] Glenn R. Fox, Helder Araujo, Mike Metke, Antonio Damasio (2015) *Empty Thanks: Verbal expressions of gratitude do not correlate with helping behavior* Society for Personality and Social Psychology
Long Beach, CA
- [3] Glenn R. Fox, Xiao-Fei Yang, David H. Herman, Mike Metke, Antonio Damasio (2013) *The hearts memory: Gratitude is correlated with heart rate and individual differences in baseline vagal tone*. Society for Neuroscience meeting
San Diego, CA
- [4] Glenn R. Fox, David H. Herman, Bosco Tjan, Hanna Damasio, Antonio Damasio (2013) *The Brain's Virtuous Cycle: An Investigation of Gratitude and Ethical Human Conduct*. Social and Affective Neuroscience Society meeting
San Francisco, CA
- [5] Mona Sobhani, Glenn R. Fox, Jonas Kaplan, and Lisa Aziz-Zadeh. (2012) *Modulation of Action Observation Related Neural Regions by Interpersonal Liking*. Cognitive Neuroscience Society meeting
Chicago, IL

- [6] Glenn R. Fox, David Herman, Bosco Tjan, Hanna Damasio, Antonio Damasio. (2012) *Mapping Gift-Space in the Brain*. Neuroscience Graduate Program Research Symposium, USC
Los Angeles, CA
- [7] Glenn R. Fox, Mona Sobhani, Lisa Aziz-Zadeh. (2011) *Brain Regions Involved in Processing Others Pain are Modulated by Social Group Membership*. Cognitive Neuroscience Society meeting
San Francisco, CA
- [8] Mona Sobhani, Glenn R. Fox, Lisa Aziz-Zadeh. (2011) *Modulation of the Mirror Neuron System by Social Group Membership*. Cognitive Neuroscience Society meeting
San Francisco, CA
- [9] Mona Sobhani, Glenn R. Fox, Lisa Aziz-Zadeh. (2010) *Does social group membership modulate empathy for physical pain?* Neuroscience Graduate Program Research Symposium, USC
Los Angeles, CA
- [10] Glenn R. Fox, Lee M. Perry and Robert F. Dougherty. (2009) *Diffusion Tensor Imaging of Frontal Lobotomy: A Case Study*. Neuroscience Graduate Program Research Symposium, USC
Los Angeles, CA
- [11] Glenn R. Fox, Bosco S. Tjan. (2008) *High Resolution Retinotopy: What is Gained by Reducing Voxel Size?* Annual Vision Research Symposium, USC
Los Angeles, CA
- [12] C.N. Vidal, G.R. Fox, A.M. Ballinger, J. Allen, L. Baker, A. Raine, J. Bruss. A. Joshi, R. Leahy, D. Pantazis, D.W. Shattuck, J. Zhuang, H. Damasio. (2007) *Genetic Influences on Language Cortices: Preliminary Results from a Volumetric Twin Study*. Annual Society for Neuroscience meeting
San Diego, CA
- [13] Arvel Hernandez, Glenn R. Fox, Michal Ben-Shachar, Gayle K. Deutsch, Brian A. Wandell, Robert F. Dougherty. (2006) *Development of the Human Corpus Callosum*. Annual Society for Neuroscience meeting
Atlanta, GA
- [14] Glenn R. Fox and Robert F. Dougherty. (2006) *Psychosurgery Revisited: Frontal Lobotomy Lesions Estimated with Diffusion Tensor Imaging*. Cognitive Neuroscience Society meeting
San Francisco, CA
- [15] Margaret Wilson, Glenn R. Fox. (2006) *A phonological loop for non-linguistic working memory?* Cognitive Neuroscience Society meeting
San Francisco, CA
- [16] Arvel Hernandez, Glenn R. Fox, Michal Ben-Shachar, Gayle K. Deutsch, Brian A. Wandell, Robert F. Dougherty. (2006) *Callosal segments defined by cortical projection zones differ in fractional anisotropy*. Cognitive Neuroscience Society meeting
San Francisco, CA
- [17] Jack Day, Glenn Fox, Margaret Wilson. (2005) *A phonological loop for non-linguistic working memory?* Bay Area Memory Meeting
Davis, CA

**JOURNAL
ARTICLES**

- [1] Glenn R. Fox, Rebecca Castillo (2021) *Profit with Gratitude: Building the Foundations of a Grateful Organization* Harvard Business Publishing Education, Link
- [2] Trevor J. Barrett, Mona Sobhani, Glenn R. Fox, Benjamin Files, Nicholas Patitsas, Josiah Duhaime, Rebecca Ebert, Rob Faulk & Leslie Saxon (2021) *Diverse Predictors of Early Attrition in an Elite Marine Training School* Military Psychology, DOI
- [3] Saxon, L.A.; DiPaula, B.; Fox, G.R.; Ebert, R.; Duhaime, J.; Nocera, L.P.; Tran, L.; Sobhani, S. (2020) *Continuous Measurement of Reconnaissance Marines in Training With Custom Smartphone App and Watch: Observational Cohort Study* Journal of Medical Internet Research, Vol 8, no. 6. July
- [4] Glenn R. Fox, Shaun Garland, Andrew Keibel, Leslie Saxon (2017) *Why People Stick with or Abandon Wearable Devices* New England Journal of Medicine Catalyst, September 14th, 2017
- [5] Glenn R. Fox, Jonas Kaplan, Hanna Damasio, Antonio Damasio (2017) *A Potential Role for mu-Opioids in Mediating the Positive Effects of Gratitude* Frontiers in Psychology 8:868
- [6] Glenn R. Fox, Helder F. Araujo, Michael Metke, Chris Shafer and Antonio Damasio (2015) *How does the effort spent to hold a door affect verbal thanks and reciprocal help?* Frontiers in Psychology 6:1737
- [7] Glenn R. Fox, Jonas Kaplan, Hanna Damasio, Antonio Damasio (2015) *Neural correlates of gratitude* Frontiers in Psychology 6:1491
- [8] Glenn R. Fox, Mona Sobhani, Lisa Aziz-Zadeh. (2013) *Witnessing hateful people in pain modulates brain activity in regions associated with physical pain and reward.* Frontiers in Psychology 4:772
- [9] Mona Sobhani, Glenn R. Fox, Jonas Kaplan, Lisa Aziz-Zadeh. (2012) *Interpersonal Liking Modulates Motor-related Neural Regions* PLoS ONE 7(10)
- [10] Dougherty, R.F., Ben-Shachar, M., Deutsch, G.K., Hernandez, A., Fox, G.R., and Wandell, B.A. (2007) *Temporal-callosal pathway diffusivity predicts phonological skills in children.* Proceedings of the National Academy of Sciences, 104(20):8556-61.
- [11] Wilson, Margaret & Fox, Glenn R. (2007) *Working Memory for Language is Not Special: Evidence for an Articulatory Loop for Novel Stimuli.* Psychonomic Bulletin & Review, 14:3, 470-473.

**MANUSCRIPTS
UNDER
REVIEW**

- [1] Glenn R. Fox,
- [2] Glenn R. Fox, Jill Kickul (Under Review) *Data Mining Mindset: Cluster Analysis Identifies Self-Actualization Profiles Predicting Entrepreneurial Social Identity* Babson College Entrepreneurial Research Conference

**SELECTED
MEDIA
COVERAGE**

Elle Magazine *The Healing Power Behind Gratitude And A Handwritten Thank You Note*
June 2021

Flow Research Collective Radio *Unlocking Creativity and Maximizing Gratitude - Dr. Glenn Fox, Dr. Scott Barry Kaufman*
August 2020

The Pulse NPR Podcast *Science and Thanksgiving*
November, 2019

USC News *No Time to Exercise? Work Out at Work, USC Researchers Suggest*
April, 2019

USC Marshall News *Critical Thinking is about Saying – What If I’m Wrong?*
April, 2019

USC News *Gift-giving Research at USC: How to Win at Gift-Giving This Year*
December 2018

USC Marshall News *Mindset as a Skill Set*
October, 2018

Psych Central *Gratitude Can Go a Long Way in the Workplace*
August 2018

USC Trojan Family *The Surprising Impact Happiness Has on Health, Relationships, and Even the Economy* June 2018

Good.is *How Athletes Use Mindfulness to Achieve Greatness (And You Can, Too)*
April 2018

PR News Wire *Top Innovations in Basketball Revealed at Spalding and HYPE Sports Innovation Global Competition*
February, 2018

Metro MBA *USC Marshall Professor Explains the Return on Investment of Gratitude*
January, 2018

USC News *Lessons for Bosses: Show Workers You Appreciate Them* January 2018

Fortune.com *Commentary: The Right Way to Express Gratitude This Holiday Season*
November, 2017

PatientEngagementHIT.com *Charitable mHealth Apps Increase Patient Engagement, Tool Use*
September 2017

Mindful.org *What the Brain Reveals about Gratitude* August, 2017

Scientific American *With Thanks in the Brain* November 2016

PsyBlog *How Often Being Polite Pays Off, Psych Study Reveals*
December, 2015

Colby Itkowitz, Washington Post, *These researchers used Holocaust survivor’s memories to track how our brains process gratitude.*
October, 2015

Christopher Bergland, Psychology Today *Small Acts of Generosity and the Neuroscience of Gratitude*

October 2015

Theresa Fisher, mic.com “*Science Reveals a Crucial Difference in Your Brain on Thanksgiving vs Black Friday*”

November, 2014

Scientific Contributor, Men’s Health Magazine, “*I feel empathy for the bad guys in a movie, Am I Normal?*”

December, 2014

Manilla Productions, “*State of Gratitude*” Series for National Public Radio

November 22, 2013

Discovery Digital Network, *Why we care more when bad people suffer*

October 24th, 2013

Annette Moore, *Turning Dreams Into Reality* USC Dornsife News & Events,

March 11, 2013

USC News *Do You Like Me Now?*

October, 2012

Pamela Johnson, *From the Bottom of My Heart*, Dornsife Connect Magazine

January 20, 2012

Power Story Entertainment, *Making Light in Terezin*

British Broadcasting Company (BBC) “*Blood and Guts: A History of Surgery*” First

aired: August 20, 2008

**SCIENTIFIC
REVIEW AND
PUBLIC
SERVICE**

Frontiers in Psychology

Emotion Review

Journal of Positive Psychology

Neuroimage

Social Cognitive and Affective Neuroscience

Moderator of AskScience on Reddit.com