

CURRICULUM VITAE TURHAN CANLI, Ph.D.

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Research Interests

- Molecular Psychology (application of molecular biology to the study of behavior): gene-environment interactions, epigenetics, gene regulatory mechanisms in *postmortem* human brain, cell culture, behaving rodent brains
- Affective, Personality, Social, and Positive Neuroscience
- Neuroethics

Honors and Awards

- 2013 McGovern Lecture, Beijing University, Beijing, China
- 2010 Elected Fellow of the Association for Psychological Science (APS)
- 2008 James McKeen Cattell Sabbatical Award (Cattell Fund and Association for Psychological Science)
- 2007 Closing Lecture: 43rd National Psychiatry Congress, Istanbul, Turkey, October 27, 2007.
- 2006 Alumni Recognition Award, EPIIC (Education for Public Inquiry and International Citizenship), Tufts University. "In recognition of your distinguished scholarly accomplishments, path-breaking ways to understand the brain, and your dedication to ethics in science and public policy". February 23, 2006.
- 2005 Opening Lecture: 8th Meeting of the Differential Psychology, Personality Psychology, and Psychological Diagnostics, Marburg, German, September 26, 2005.
- 2005 Outstanding Mentoring Award, Paul D. Schreiber High School
- 2002 APA Div. 6 D.G. Marquis Award for the best paper in *Behavioral Neuroscience* in 2001
- 2001-3 Young Investigator Award, National Alliance for Research on Schizophrenia and Depression (NARSAD)
- 1996-9 National Research Service Award (NRSA)
- 1992 Fifth Year Dissertation Fellowship (Yale University)
- 1988 Benjamin G. Brown Scholarship (Tufts University)
- 1987 The Class of 1921 Leonard Carmichael Prize Scholarship (Tufts University)
- 1987 Elected to Phi Beta Kappa (Tufts University)
- 1987 Elected to Psi Chi National Honors Society (Tufts University)
- 1987 President's Young Scholar (Tufts University)
- 1987 UCI Summer Institute (University of California at Irvine)

Education

Degrees

Yale University, Graduate School of Arts and Sciences, New Haven, CT.

1993 Ph.D. (Psychobiology)

1991 M.Phil. (Psychobiology)

1989 M.S. (Psychobiology)

Tufts University, College of Liberal Arts, Medford, MA.

1988 B.A., *summa cum laude, summo cum honore in thesi* (Psychology)

Professional Post-Graduate Training and Workshops

2015 Sabbatical Leave. Certification in Ingenuity Pathway Analysis (IPA)

2015 Sabbatical Leave. Certification in Genomic Data Science (ongoing; Coursera course operated by Johns Hopkins University)

2008 Sabbatical Leave. 12 months mentored bench training in Molecular Biology and Epigenetics, Genomic Core Facility, Stony Brook University. Trained by its Director, Dr. Eli Hatchwell.

2004 Certification in Basic Life Support for Health Care Providers

2004 Certification in Seizure Management and Transcranial Magnetic Stimulation, Intensive Course in Transcranial Magnetic Stimulation, Harvard Medical School, Beth Israel Deaconess Medical Center - East Campus, Laboratory for Magnetic Brain Stimulation, February 9-13, 2004.

2002 Certification in Molecular Biology, New England Biolabs Workshop in Molecular Biology and PCR, Smith College, MA, June 23 - July 6, 2002.

2002 Statistical Parametric Mapping Workshop, Wellcome Department of Cognitive Neuroscience, London, England, May 17-18, 2002.

Appointments

Stony Brook University, Stony Brook, NY

2013 – Present Associate Professor, Department of Radiology

2013 – Present Member, Neuroscience Program

2010 – 2013 Director, Graduate Program in Genetics

2008 – Present Senior Fellow, Center for Medical Humanities

2007 - Present Associate Professor, Department of Psychology

2007 - Present Director, *SCAN* (Social, Cognitive, and Affective Neuroscience) Center

2004 - Present Member, Graduate Program in Genetics

2001 - 2006 Assistant Professor, Department of Psychology

University of California, Berkeley, CA

2000 (Fall) Lecturer, Department of Psychology

Stanford University, Stanford, CA

1995 - 2001 Postdoctoral Research Affiliate /Visiting Scholar, Department of Psychology

Yale University, New Haven, CT

1993 - 1995 Postdoctoral Research Associate, Department of Psychology

Research Support

Submitted

The John Templeton Foundation
“The Neurogenetics of Purpose in Life”
Turhan Canli, P.I.
\$3,500,000, 9/1/2015 - 8/30/2018

The core question addressed in this proposal is: What are the neurogenetic mechanisms by which a high “Purpose in Life” (PiL) is associated with reduced risk of Alzheimer’s Disease (AD)? This project is needed because it represents a marked departure from current AD research, applying cutting-edge genetics/neuroimaging tools to a central theme in the humanities. A uniquely innovative element is the use of postmortem human brain samples from 500 donors with known PiL (and related constructs) life information to examine genome-wide expression and epigenetic modification of genes in brain regions that are relevant to AD and/or PiL.

Current

Department of Psychiatry Pilot Grant
“Activating and identifying neural responses to social rejection: a combined tDCS/fMRI study”
Turhan Canli, Mentor to Dr. David T. Hsu (P.I.) and Co-P.I.
\$15,000 8/1/2015 - 7/31/2016

The goal of this pilot study is to combine transcranial direct current stimulation (tDCS) with functional magnetic resonance imaging (fMRI) to activate and identify neural pathways regulating negative moods during rejection in a sample of healthy volunteers in order to: (1) test the behavioral effects of tDCS during social rejection, and (2) use tDCS to activate, and fMRI to identify, neural pathways regulating negative moods during social rejection.

Past

National Institutes of Health, National Institute on Aging, 1 R01 AG034578-01
“Gene-Environment Interactions in Loneliness and Stress Reactivity in Older Adults”
Turhan Canli, P.I.
\$2,350,000, 6/24/2009-8/31/2014

This project uses a combination of behavioral, neuroimaging, and *postmortem* whole genome expression analyses at the RNA level to investigate gene regulation changes as a function of psychosocial stress and loneliness in the elderly.

National Science Foundation, BCS-0843346
“The Human Stress Response: Interaction of Life Stress History and Genetic Variation on Behavior, Brain Function, and the (Epi-)Genome”
Turhan Canli, P.I. (20% academic year, 25% summer)
\$882,000, 7/24/2009-8/31/2013

The goal of this study is to investigate gene by environment interactions on individual differences in stress reactivity in behavior, brain circuits, and gene expression in younger individuals and proteomics markers of gene expression in *postmortem* brain tissue associated with these processes.

SBU-BNL Seed Grant

“The neurogenetics of impulsivity: individual differences within the dopamine transporter (*DAT*) gene assessed with PET and fMRI”

Turhan Canli, P.I.

\$24,000, 6/1/2005-5/31/2010

The goal was to combine PET and fMRI neuroimaging to determine the distribution and functional activation of the dopamine transporter (*DAT*) system, and to relate individual differences *DAT* distribution with genetic variation in the *DAT* gene.

National Science Foundation, OIA #0722874

“Acquisition of a Research-dedicated Magnetic Resonance Scanner at Stony Brook University”

Turhan Canli, P.I.

\$ 1,918,878, 08/31/2007-08/30/2009

This was a major research instrumentation application to bring a research-dedicated fMRI scanner to Stony Brook. At that time, Stony Brook did not have such a facility, forcing a number of faculty to scan elsewhere.

GCRC#*MO1RR10710*

“Neurogenetic Correlates of Psychosocial Stress”

Turhan Canli, P.I.

\$24,000, 10/1/2008-12/31/2009

The goal of this project was to measure gene expression in *postmortem* human brain tissue, using the Affymetrix Human Genome U133A 2.0 Array.

National Science Foundation, BCS-0224221

“fMRI of Hormonal Variation in Cognitive-Affective Processing”

Turhan Canli, P.I. (25% academic year, 75% summer)

\$638,658, 9/15/2002-8/31/2008

The goal of this study was to use functional magnetic resonance imaging (fMRI) to evaluate the role of ovarian steroids in brain activation patterns during cognitive-affective processing. A secondary goal was to relate individual differences in brain activation to genetic variation and hormonal state.

National Institute of Health, 1R13-MH067835-01A1

“Biological Basis of Personality and Individual Differences” (Funding for 3-day conference)

Turhan Canli, P.I.

\$49,700 total direct cost, conference to be held 9/1-9/4/2004

Research on the biological basis of personality and individual differences has been catalyzed by recent methodological advances in genetics and neuroscience. This conference offered a forum for interactions between psychologists and biologically oriented researchers who share an interest in personality and individual differences and will feature nineteen clinicians, geneticists, psychologists, and neuroscientists from the United States, South America, Europe, and Australia. National Alliance for Research on Schizophrenia and Depression (NARSAD)

“Functional Magnetic Resonance Imaging of Social Phobia”

Turhan Canli, Fellow (10% during academic year)

\$60,000 total direct cost 7/1/2001 – 6/30/2004

The major goal of this project was to evaluate the role of the amygdala in SP, using functional magnetic resonance imaging.

National Institute of Health, 5F32MH011402-03 (NRSA Postdoctoral Fellowship)
 “Functional Magnetic Resonance of Emotion”
 Turhan Canli, P.I. 10/01/1996 - 09/30/1999

Funding for Mentored/Advisory/Supervisory Activity

National Institutes of Health, National Institute on Aging, KO1 AG033182-02
 “The Economics and Psychology of Self-Control”
 Co-Advisor to Dr. Angela Lee Duckworth (**a 2013 MacArthur Fellow**), Assistant Professor of Psychology, University of Pennsylvania (Main Adviser: Jim Heckman, Economics, University of Chicago)
 2009-2014

This project is designed to integrate an interdisciplinary research program on self-control and other capacities that determine economic, social and health outcomes across the life course.

National Institute of Mental Health. Ruth L. Kirchstein National Research Service Award, 1F32 MH091955-01

“Examining several possible causes of GxE non-replications in depression”
 Co-Mentor of Dr. Suzanne Vrshek-Schallhorn, Postdoctoral Research Fellow, Department of Psychology, Northwestern University
 9/1/2010 to 8/31/2013

This project uses Northwestern-UCLA Youth Emotion Project data and DNA samples to examine possible causes for non-replications which have stymied GxE depression research, including: 1) inconsistency in operationalization of life stress data, 2) differences in how stress relates to recurrences of depression compared to first onsets, and 3) whether gender and race/ethnicity moderate findings.

Japan Society for the Promotion of Science

“The integrative model of gene-brain-somatic mechanisms for custom-made therapy of emotional disorders”

Host and Mentor to Dr. Hiroki Murakami
 4/1/2011-3/31/2012

The project was to develop an integrated EEG/fMRI methodology, applied to the study of individual differences in emotional reactivity and emotion regulation, as a function of gene-environment interactions.

Deutsche Forschungsgemeinschaft (Germany)

“Gene environment interaction effects of genetic variability and early life stress on psychosocial stress reactivity”

Sponsor of Dr. Anett Mueller
 1/1/2010-6/30/2011

This project investigated the role of early life stress and candidate genes or environmentally plasticity in the context of individual differences in social stress reactivity.

National Institutes of Health. Ruth L. Kirchstein National Research Service Award

“The Neurogenetic Basis of Behavioral Inhibition”

Sponsor of Eliza Congdon
 9/1/06-5/30/08

This project tested the hypothesis that variants of two dopamine system-related genetic polymorphisms (DAT and COMT) influence the neural network underlying behavioral inhibition, a more direct expression of impulsivity.

Publications and Conference Presentations

Citation Statistics

Summary Statistics (based on Web of Knowledge, as of 6/5/2015):

Total citations (excl. self-citations): 4,980
 Citing articles (excl. articles with self-citations): 4,092
 Average number of citations per article: 81
 H-index: 32

Top-accessed article (based on Altmetric, as of 6/5/2015):

Canli, T. (2014). Reconceptualizing Major Depressive Disorder as an Infectious Disease. *Biology of Mood and Anxiety Disorders*, 4:10. DOI: 10.1186/2045-5380-4-10. Accessed 36,563 times since 10/31/2014. Altmetric score 241 (average score is 5; this score places this article in the top 1% of all scientific articles published and tracked online).

Top 10-cited articles (based on Web of Knowledge, as of 6/5/2015):

1. 898 citations: Rossi, Hallett, Rossini, Pascual-Leone, and the Safety TMS Consensus Group* (2009). Safety, ethical considerations, and application guidelines for the use of transcranial magnetic stimulation in clinical practice and research. *Clinical Neurophysiology*, 120 (12), 2008-2039. DOI: 10.1016/j.clinph.2009.08.016. *I was a member of this group.
2. 384 citation: Canli, T. and Lesch, K.P. (2007). Long story short: serotonin transporter in emotion regulation and social cognition. *Nature Neuroscience*, 10, 1103-1109. DOI: 10.1038/nn1964.
3. 335 citations: Canli, T., Desmond, J.E., Zhao, Z., and Gabrieli, J.D.E. (2002). Sex differences in the neural encoding of emotional experiences. *Proceedings of the National Academy of Sciences, U.S.A.*, 99 (16), 10789-10794. DOI: 10.1073/pnas.162356599.
4. 293 citations: Canli, T., Sivers, H., Gotlib, I.H., and Gabrieli, J.D.E. (2002). Amygdala activation to happy faces as a function of extraversion. *Science*, 296, 2191. DOI: 10.1126/science.1068749.
5. 289 citations: Canli, T., Zhao, Z., Desmond, J.E., Kang, E., Gross, J., and Gabrieli, J.D.E. (2001). An fMRI study of personality influences on brain reactivity to emotional stimuli. *Behavioral Neuroscience*, 115, 33-42. DOI: 10.1037//0735-7044.115.1.33.
6. 247 citations: Canli, T. (1999). Hemispheric asymmetry in the experience of emotion: A perspective from functional imaging. *The Neuroscientist*, 5, 201-207. DOI: 10.1097/00001756-199810050-00019.

7. 226 citations: Canli, T., Omura, K., Haas, B., Fallgatter, A., Constable, R.T., Lesch, K.P. (2005). Beyond affect: A role for genetic variation of the serotonin transporter in neural activation during a cognitive attention task. *Proceedings of the National Academy of Sciences, U.S.A.*, 102 (34), 12224-9. DOI: 10.1073/pnas.0503880102.
8. 213 citations: Mather, M., Canli, T., Whitfield, S.L., English, T., Gabrieli, J.D.E., and Carstensen, L. A. (2004). Amygdala responses to emotionally valenced stimuli in older and younger adults. *Psychological Science*, 15, 259-263. DOI: 10.1111/j.0956-7976.2004.00662.x.
9. 183 citations: Hamann, S. and Canli, T. (2004). Individual differences in emotion processing. *Current Opinion in Neurobiology*, 14, 233-238. DOI: 10.1016/j.conb.2004.03.010.
10. 181 citations: Canli, T., Qiu, M., Omura, K., Congdon, E., Herrman, M.J., Constable, R.T., Lesch, K.P. (2006). Neural correlates of epigenesis. *Proceedings of the National Academy of Sciences, U.S.A.*, 103 (43), 16033-8. DOI: 10.1073/pnas.0601674103.

Books

1. Canli, T. (Ed.) (2015). *The Oxford Handbook of Molecular Psychology*. Oxford, New York: Oxford University Press.
2. Canli, T. (Ed.) (2006). *The Biological Basis of Personality and Individual Differences*. New York: Guilford Press.

Book Chapters

1. Canli (2016 expected). Molecular Trait Psychology: Advancing the field by moving from gene-hunting to tool-making. In Douglas B. Samuel and Donald R. Lynam (Eds.), *Basic Personality Research and Personality Disorders*. Oxford University Press.
2. Canli, T. (2015). Molecular Psychology: A Brief History and Introduction, pp. 3-15. In T. Canli (Ed.), *Oxford Handbook of Molecular Psychology*. Oxford and New York: Oxford University Press.
3. Canli, T. (2015). Is Depression an Infectious Disease?, pp. 293-310. In T. Canli (Ed.), *Oxford Handbook of Molecular Psychology*. Oxford and New York: Oxford University Press.
4. Canli, T. (2015). Neurogenetics, pp. 426-447. In T. Canli (Ed.), *Oxford Handbook of Molecular Psychology*. Oxford and New York: Oxford University Press.
5. Duman, E.A. and Canli, T. (2010). Genetic studies of personality. In Koob, G., Thompson, R.F., and Le Moal, M. (Eds.), *Encyclopedia of Behavioral Neuroscience*, Elsevier.
6. Duman, E.A. and Canli, T. (2010). Social behavior and serotonin, pp. 449-56. In Müller, C.P. and Jacobs, B. (Eds.), *Handbook of Behavioral Neurobiology of Serotonin*, Series: Handbook in Behavioral Neuroscience (Ed. J.P. Huston), Elsevier.

7. Canli, T. (2009). Genetic transmission of depression, pp. 290-91. In R. Ingram (Ed.), *International Encyclopedia of Depression*. Springer Publications, New York, NY.
8. Canli, T. (2009). Neuroimaging of emotion and personality, 305-22. In G. Matthews and P. Corr (Eds.), *Cambridge Handbook of Psychology*. Cambridge University Press.
9. Canli, T. (2009). Genetics of affect, pp. 192-5. In K. Scherer and D. Sander (Eds.), *The Oxford Companion to Emotion and the Affective Sciences*. Oxford and New York: Oxford University Press.
10. Canli, T. (2009). Individual differences in human amygdala function, pp.250-64. In P. Whalen and E. Phelps (Eds.), *The Human Amygdala*. Guilford Press.
11. Canli, T. (2009). Genetic Transmission of Depression. In R. Ingram (Ed.), *The International Encyclopedia of Depression*, Springer Publishing Company.
12. Canli, T. (2009). Genomic imaging, pp. 295-312. In E. Harmon-Jones and J Beer (Eds.), *Methods in the Neurobiology of Social and Personality Psychology*. New York: Guilford Publications.
13. Congdon, E. and Canli, T. (2008). Genomic imaging of personality: Towards a molecular neurobiology of impulsivity, pp. 334-351. In G. J. Boyle, G. Matthews, D. H. Saklowske (Eds.), *The Sage Handbook of Personality Theory and Assessment*, Vol. 2: Personality Measurement and Testing. Thousand Oaks, CA: Sage Publications.
14. Canli, T. (2008). Toward a “Molecular Psychology” of personality, pp. 311-327. In O. John, R.W. Robbins, L.A. Pervin (Eds.), *Handbook of Personality: Theory and Research*. New York: Guilford Press.
15. Lesch, K.-P. and Canli, T. (2006). 5-HT1A receptor and anxiety-related traits: Pharmacology, genetics, and imaging, pp. 273-294. In T. Canli (Ed.), *Biology of Personality and Individual Differences*. New York: Guilford Press.
16. Canli, T. (2006). Genomic imaging of extraversion, pp. 93-115. In T. Canli (Ed.), *Biology of Personality and Individual Differences*. New York: Guilford Press.
17. Canli, T (2005). When genes and brains unite: Ethical implications of genomic neuroimaging, pp. 169-184. In J. Illes (Ed.), *Neuroethics: Defining the Issues in Research, Practice and Policy*. New York: Oxford University Press.

Manuscripts in preparation

1. Canli, T., Mikhailik, A., Ferri, J., Fogelman, N., Yu, L., Fleischman, D., Wen, R., Koller, A., Chen, E.I., Jensen, K., Gelernter, Y., & David A. Bennett, D.A. (in preparation). Evidence for Leucine-rich PPR motif-containing protein (LRPPRC) role in human anxiety and amygdala function based on integrated proteomics/GWA/MRI assessments across multiple cohorts. This study is based on a discovery sample of 50 postmortem human

amygdala samples from donors with known trait anxiety levels. SNPs associated with the top-scoring differentially expressed gene (LRPPRC) are then tested in cohorts of self-reporting community sample (N=1200), anxiety-disordered patients and controls (N=1800), MRI resting activation volunteers subjects (N=80), and healthy participants in a social stress task (N=40).

2. Canli, T., Wen, R., Wang, X., Mikhailik, A., Ferri, J., Yu, L., Fleischman, D., Wilson, R.S., De Jager, P.L., & Bennett, D.A. (in preparation). Differential transcriptome expression in human nucleus accumbens, but not amygdala, as a function of loneliness. This study discovered over 1900 differentially expressed genes in nucleus accumbens, as a function of loneliness, compared to none in amygdala. Additional experiments focus on the most significant gene, CART, to show that its CpG methylation status is associated with loneliness in N=303 donors of dorsolateral prefrontal cortex, and associated with resting nucleus accumbens blood flow in 80 volunteer participants.
3. Ferri, J., Izzi, S., and Canli, T. (in preparation). Resting brain activation moderated by stress exposure and telomere length. This project investigated the relationship between life stress history, telomere length and brain resting activation BOLD activation in a sample of 32 males.
4. Canli, T. (in preparation). Health benefits of “Purpose in Life”: A model framed within Social Psychoneuroimmunology. *Psychological Reviews*.
5. Jurkiewicz, M.M., Mueller-Alcazar, A., Moser, D., Jayatilaka, I., Mikhailik, A., Ferri, J., Fogelman, N., and Canli, T. (in preparation). Integrated microRNA and mRNA Gene Expression Profiles in Response to Acute Psychosocial Stress. This study assessed genome-wide expression of mRNAs and miRNAs in blood in a within-subjects, repeated measures design. We discovered miRNAs, and putative mRNA targets regulated by these miRNAs, that changed expression profiles within an hour of social stress exposure.
6. Ferri, J., Izzi, S., Mueller-Alcazar, A., Dedovic, K. Pruessner, J., Canli, T. (in preparation). Shorter telomere length is associated with increased activation in the anterior cingulate and hippocampus in response to a psychosocial stressor. This project investigated the relationship between telomere length and BOLD activation during the Montreal Imaging Stress Test (MIST) in a sample of 32 males. Whole brain analyses revealed negative correlations between telomere length and activation in the ACC and the hippocampus

Submitted Manuscripts

1. Canli, T., Wen, R., Wang, X., Mikhailik, A., Yu, L., Fleischman, D., Wilson, R.S., and Bennett, D.A (submitted). Differential transcriptome expression in human nucleus accumbens as a function of loneliness.
2. Jurkiewicz, M. Moser, D., Jayatilaka, I., Izzi, S., Koller, A, Chen, E.I., Bennett, D.A., and Canli, T. (submitted). MicroRNA regulation of synaptic vesicle glycoprotein 2A gene expression: integrating association findings from postmortem human amygdala with experimental hypothesis-testing in cell culture.

3. Ferri, J., Schmidt, J., Proudfit, G.H., & Canli, T. (submitted). Emotion regulation and amygdala-precuneus connectivity: Focusing on attentional deployment.

Peer-reviewed Journal Publications

1. Fogelman, N., and Canli, T. (in press). "Purpose in Life" as a psychosocial resource in healthy aging: An examination of cortisol baseline levels and response to the Trier Social Stress Test. *NPJ (Nature Partner Journal) Aging and Disease Mechanisms*.
2. Canli, T. (2015). Neurogenetics: An emerging discipline at the intersection of ethics, neuroscience, and genomics. *Applied & Translational Genomics*. DOI:10.1016/j.atg.2015.05.002
3. Duman, E.A. and Canli, T. (2015). Influence of life stress, 5-HTTLPR genotype and SLC6A4 methylation on gene expression and stress response in healthy Caucasian males. *Biology of Mood & Anxiety Disorders*, 5:2. DOI: 10.1186/s13587-015-0017-x
4. Canli, T. (2014). Reconceptualizing Major Depressive Disorder as an Infectious Disease. *Biology of Mood and Anxiety Disorders*, 4:10. DOI: 10.1186/2045-5380-4-10
5. Ferri, J., Schmidt, J. Hazjak, G., & Canli, T. (2013). Neural correlates of attentional deployment within unpleasant pictures. *Neuroimage*, 70, 268-77. Epub 2012 Dec 25. PMID: 23270876
6. Congdon E., Mumford J.A., Cohen J.R., Galvan A., Canli T., Poldrack R.A. (2012). Measurement and reliability of response inhibition. *Frontiers in Psychology*, 37 (3). Epub 2012 Feb 21. PMID: 22363308.
7. Müller, A., Armbruster, D., Moser, D.A., Canli, T., Lesch, K.P., Brocke, B., and Kirschbaum, C. (2011). Interaction of Serotonin Transporter Gene-linked Polymorphic Region and Stressful Life Events on Stress Response. *Neuropsychopharmacology*, 36 (7), 1332-9. PMID21368747.
8. Montag, C., Markett, S., Basten, U., Stelzel, C., Fiebach, F., Canli, T., and Reuter, M. (2010). Epistasis of the DRD2/ANKK1 Taq Ia and the BDNF Val66Met polymorphism impacts Novelty Seeking and Harm Avoidance. *Neuropsychopharmacology*, 35 (9), 1860-7. PMID20410875.
9. Dougherty, L.R., Klein, D.N., Congdon, E., and Canli, T. (2010). Interaction between 5-HTTLPR and BDNF Val66Met Polymorphisms on HPA-Axis Reactivity in Preschoolers: Elucidating the Genetic Vulnerability to Stress in Risk for Depression. *Biological Psychology*. 83, 93-100. PMID 19914329.
10. Congdon, E., Constable, R.T., Lesch, K.P., & Canli, T. (2009). Influence of SLC6A3 and COMT on neural activation during response inhibition. *Biological Psychology*, 81, 144-52. PMID: 19482231

11. Herrmann, M.J., Würflein, H., Schreppe, T., Koehler, S., Mühlberger, A., Reif, A., Canli, T., Romanos, M., Jacob, C.P., Lesch, K.P., Fallgatter, A.J. (2009). Catechol-O-methyltransferase val158met genotype affects neural correlates of aversive stimuli processing. *Cognitive, Affective, and Behavioral Neuroscience*, 9, 168-72. PMID: 19403893
12. Goldin, P.R., Manber, T., Hakimi, S., Canli, T., and Gross, J.J. (2009). Neural Bases of Social Anxiety Disorder: Emotional Reactivity and Cognitive Regulation during Social and Physical Threat. *Archives of General Psychiatry*, 66 (2), 170-80. PMID: 19188539
13. Rossi, S., Hallett, M., Rossini, P.M., Pascual-Leone, A. and the Safety of TMS Consensus Group (T. Canli et al.), (2009). Safety, Ethical Considerations, and Application Guidelines for the Use of Transcranial Magnetic Stimulation in Clinical Practice and Research. A Consensus Statement from the International Workshop on "Present and Future of TMS: Safety and Ethical Guidelines", Siena, March 7-9, 2008. *Clinical Neurophysiology*, 120 (12), 2008-2039.
14. Canli, T., Ferri J., and Duman, E.A., (2009). Genetics of emotion regulation. Special Issue: Neurogenetics as applied to systems and cognitive neuroscience *Neuroscience*, 164, 43-54. PMID: 19559759.
15. Haas, B.W., Constable, R.T., Canli, T. (2009). Functional Magnetic Resonance Imaging of Temporally Distinct Responses to Emotional Facial Expressions. *Social Neuroscience*, 4, 121-34. PMID: 18633831.
16. Haas, B.W., Constable, R.T., Canli, T. (2008). Stop the sadness: Neuroticism is associated with sustained medial prefrontal cortex response to emotional facial expressions. *Neuroimage*, 42 (1), 385-92. PMID: 18511299.
17. Congdon, E. and Canli, T. (2008). A neurogenetic approach to impulsivity. *Journal of Personality Special Edition: New Directions in an Individual Differences Approach to Personality*, 76 (6): 1447-83. PMID: 19012655.
18. Canli, T. (2008). Toward a neurogenetic theory of neuroticism. *Annals of the New York Academy of Sciences*, 1129, 153-74. PMID: 18591477.
19. Haas, B. W., Canli, T. (2008). Emotional memory function, personality structure and psychopathology: A neural system approach to the identification of vulnerability markers. *Brain Research Reviews*, 58 (1), 71-84. PMID: 18359090.
20. Canli, T., Congdon, E., Constable, R.T., Lesch, K.P. (2008). Additive effects of serotonin transporter and tryptophan hydroxylase-2 gene variation on neural correlates of affective processing. *Biological Psychology*, 79, 118-25.
21. Canli, T., Brandon, S., Casebeer, W., Crowley, P.J., DuRousseau, D., Greely, H.T., Pascual-Leone, A. (2007). Neuroethics and national security. *American Journal of Bioethics: Neuroscience*, 7, 3-13.

22. Canli, T., Brandon, S., Casebeer, W., Crowley, P.J., DuRousseau, D., Greely, H.T., Pascual-Leone, A. (2007). Response to open peer commentaries on "Neuroethics and national security". *American Journal of Bioethics: Neuroscience*, 7, W1-3.
23. Haas, B.W., Omura, K., Constable, R.T., Canli, T. (2007). Emotional conflict and neuroticism: Personality dependent activation in the amygdala and subgenual anterior cingulate. *Behavioral Neuroscience*, 121, 249-56.
24. Haas, B. W., Omura. K., Constable, R.T., Canli, T. (2007). Is automatic emotion regulation associated with agreeableness?" A perspective using a social neuroscience approach. *Psychological Science*, 18 (2), 130-132.
25. Canli, T. and Lesch, K.P. (2007). Long story short: serotonin transporter in emotion regulation and social cognition. *Nature Neuroscience*, 10, 1103-1109.
26. Canli, T. (2007). Genomic psychology: An emerging paradigm. Special Edition on Science and Society, *EMBO Reports*, 8 (S1), S30-S34.
27. Canli, T., Qiu, M., Omura, K, Congdon, E., Herrman, M.J., Constable, R.T., Lesch, K.P. (2006). Neural correlates of epigenesis. *Proceedings of the National Academy of Sciences, U.S.A.*, 103 (43), 16033-8.* See also "Research Highlights: Depression gene in action" *Nature Reviews Neuroscience*, 7, November 2006, p. 835.
28. Herrmann, M.J., Huter, T., Müller, F., Mühlberger, A., Pauli, P., Reif, A., Canli, T., Fallgatter, A., Lesch, K.P. (2006). Additive effects of serotonin transporter and tryptophan hydroxylase-2 gene variation on emotional processing. *Cerebral Cortex*. June 26, 2006, Epub ahead of print. Print reference: 2007, 17: 1160-63.
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Popular Articles

1. Canli, T. (2008). The character code. *Scientific American Mind*, 52-57, February/March 2008.
2. Canli, T. (2007). Der Charakter Code. *Gehirn & Geist*, 9, 52-57.

Conferences and Abstracts

1. Fogelman, N., and Canli, T. (2015). A meaningful life is associated with less stress. Association for Psychological Science, New York, NY, May 23-25, 2015.
2. Kattan, D., D'Agostino, A, and Canli T. (2015). Aging is correlated with decreased activation in the left superior temporal sulcus in a theory of mind task. Association for Psychological Science, New York, NY, May 23-25, 2015.
3. McGee, D., Nia Fogelman, N. and Canli, T. (2015). Serious Illness and Perceived Anxiety in Relation to Cortisol Responsivity. Undergraduate Research and Creative Activities (URECA). Stony Brook, NY, April 29, 2015.
4. Lubomir, E., Fogelman, N. and Canli, T. (2015). The Relationship between childhood trauma, resilience and baseline cortisol in a cohort of young men. Undergraduate Research and Creative Activities (URECA). Stony Brook, NY, April 29, 2015.
5. D'Agostino & Canli, T. (2015). Older Adult Social Network Size Relates to Neural Processing of Social Stimuli. Eastern Psychological Association (EPA), Philadelphia, PA, March 5-7, 2015.
6. Ferri, J., Proudfit, G.H., and Canli, T. (2014). Relationship between LPP magnitude and BOLD activation during emotional processing and attentional deployment. 54th Annual Meeting of the Society for Psychophysiological Research, Atlanta, Georgia, September 10-14, 2014.
7. Ferri, J., Schmidt, J., Proudfit, G.H., Canli, T. (2014). Amygdala-precuneus connectivity during attentional deployment is associated with compliance and trait reappraisal. Poster presented at Association for Psychological Science, San Francisco, CA, May 22-25, 2014.
8. Fogelman, N., Ferri, J., Mueller-Alcazar, A., Canli, T. (2014). Stressful live events and acute stress cortisol reactivity. Poster at the 26th Annual Convention of the Association for Psychological Science, San Francisco, CA, May 22-25, 2014.
9. Ferri, J., Izzi, S., and Canli, T. (2014). Telomere length is associated with stress-related activation of the ACC and hippocampus. Annual Eastern Psychological Association meeting, Boston, March 13-16, 2014.

10. Fogelman, N., Ferri, J., Mueller-Alcazar, A., and Canli, T. (2014). The Impact of Positive and Negative Life Events on Acute Stress Response. Annual Eastern Psychological Association meeting, Boston, March 13-16, 2014.
11. Mueller-Alcazar, A., Ferri, J., Jurkiewicz, M., Mikhailik, A. & Canli, T. (2014). Allele-specific FKBP5 impact on the human stress response in healthy subjects. Poster at American Psychosomatic Society meeting, San Francisco, March 12-15, 2014.
12. Ferri, J., Schmidt, J., Hajcak, G., Canli, T. (2013). Neural markers of emotional processing and attentional deployment. Society for Psychophysiological Research, Florence, Italy, October 2-6, 2013.
13. Ferri, J., Schmidt, J., Hajcak, G., Canli, T. (2013). Attentional deployment and task compliance modulate the neural response to unpleasant pictures. Poster presented at Association for Psychological Science, Washington DC, May 23-26, 2013.
14. Chahili, G., Ferri, J., Proudfit, G., Canli, T. (2013). The impact of picture duration on neural activity. Poster presented at Explorations in STEM Research Conference. Stony Brook, NY.
15. Huang, S., Ferri, J., Proudfit, G., Canli, T. (2013). Stay Focused! Fixations to arousing regions of an unpleasant image increase subjective negative affect. Poster presented at Undergraduate Research and Creative Activities Conference. Stony Brook, NY.
16. Duman E. A. and Canli T. (2012). Impact of early life stress and 5-HTTLPR on serotonin transporter methylation and HPA reactivity. Oral presentation accepted for the Society for Neuroscience Annual Meeting, New Orleans, October 13-17 2012.
17. Duman E. A. and Canli T. (2012). Early life stress and methylation of the serotonin transporter in healthy Caucasian men. Oral presentation in the 18th International Conference on Neuroscience and Biological Psychiatry, Stress and Behavior, New Orleans, June 22-24 2012.
18. Odynocki N., Duman E. A., and Canli T. (2012). Effect of 5-HTTLPR and self-esteem on cortisol response to acute psychosocial stress. Poster presentation in Undergraduate Research and Creative Activities Conference, Stony Brook, April 25, 2012.
19. Mueller, A., Jurkiewicz, M., Ferri, J., Izzi, S., Johns, C., Wu, X., Stone, A.A. & Canli, T. (2012). MicroRNA profiling of the human stress response. Poster presented at ISPNE, New York, NY, September 11, 2012.
20. Ferri, J., Schmidt, J., Hajcak, G., Canli, T. (2012). Attentional deployment modulates the neural response to unpleasant stimuli. Society for Psychophysiological Research, New Orleans, September 19-23, 2012.
21. Jurkiewicz, M., Moser, D., and Canli, T. (2011). Gene Regulatory Mechanisms associated with Trait Anxiety in Human Postmortem Amygdala. Annual Meeting of the Society for Neuroscience, Washington, D.C., November 12-16, 2011.

22. Ferri, J., Hajcak, G., and Canli, T. (2011). Attentional deployment modulates the neural response to unpleasant stimuli. Annual Meeting of the Society for Neuroscience, Washington, D.C., November 12-16, 2011.
23. Mueller, A., Ferri, J. and Canli, T. (2011). Neural and endocrine activity in response to an acute psychosocial stressor Annual Meeting of the Society for Neuroscience, Washington, D.C., November 12-16, 2011.
24. Asif, B., Ferri, J., Proudfit, G., Canli, T. (2013). What are you looking at? Attentional deployment effects in Emotion Regulation. Poster presented at Undergraduate Research and Creative Activities Conference. Stony Brook, NY.
25. Dougherty, L. R., Klein, D. N., Cogndon, E., Olino, T. M., Dyson, M., Rose, S., & Canli (2009). Increased waking salivary cortisol and depression risk in preschoolers. International Society for Research on Child and Adolescent Psychopathology (ISRCAP), June 2009, Seattle, Washington.
26. Omura, K., Amin, Z., Epperson, C.N., Constable, R.T., and Canli, T. (2007). Estrogen enhanced the left midfusiform gyrus – amygdala connectivity associated with arousal to emotional negative words. Annual Meeting of the Society for Neuroscience, San Diego, November 3-7, 2007.
27. Congdon, E., Sisante, J.F., Lesch, K.P., Canli, T. (2007). Monoamine Oxidase A Gene Promoter Variation and Negative Life Events Interact to Influence Aggression, not Impulsivity, in Healthy Adults. Annual Meeting of the Society for Neuroscience, San Diego, November 3-7, 2007.
28. Congdon, E., Sisante, J.F., Lesch, K.P., Canli, T. (2007). Analysis of DRD4 and DAT polymorphisms and behavioral inhibition in healthy adults: Implications for impulsivity. Cognitive Neuroscience Annual Meeting, New York, May 5-8, 2007.
29. Qiu, M., Canli, T., Omura, K., Congdon, E., Haas, B.W., Amin, Z., Lesch, K.P., Constable, R.T. (2007). 5-HTTLPR Genotype modulates the whole brain basal neuronal activity as indicated by global CBF measured with ASL MRI. ISMRM (International Society for Magnetic Resonance in Medicine), Berlin, Germany, May 1-25, 2007.
30. Haas, B., Omura, K., Constable, R.T., and Canli, T. (2006). Anxious but not depressive neuroticism is associated with amygdala and subgenual anterior cingulate response to emotional conflict. Society for Neuroscience Abstracts, 32.
31. Omura, K., Amin, Z., Epperson, C.N., Constable, R.T., and Canli, T. (2006). Menstrual cycle modulates amygdala-prefrontal connectivity associated with arousal to emotional pictures. Society for Neuroscience Abstracts, 32.
32. Canli, T, Congdon, E., Omura, K., Constable, R.T., and Lesch, K.P. (2006). Interaction of 5-HTTLPR polymorphism and life stress modulates amygdala reactivity. Cognitive Neuroscience Annual Meeting, San Francisco, CA, April 8-11, 2006.

33. Amin, Z., Constable, R.T., Epperson, N., and Canli, T. (2006). Plasma estradiol level is associated with brain activation during emotional response inhibition. Cognitive Neuroscience Annual Meeting, San Francisco, CA, April 8-11, 2006.
34. Haas, B.W., Constable, R.T., and Canli, T. (2006). Affiliative and agentic extraversion map onto dissociated neural networks in response to affective facial expressions. Cognitive Neuroscience Annual Meeting, San Francisco, CA, April 8-11, 2006.
35. Canli, T., Omura, K., Haas, B.W., Fallgatter, A., Constable, R.T., and Lesch, K.P. (2005). Beyond Affect: A Role for Genetic Variation of the Serotonin Transporter in Neural Activation during a Cognitive Attention Task. Society for Neuroscience Abstracts, 31.
36. Omura, K., Constable, R.T., and Canli, T. (2005). Gray Matter Density of Amygdala Associated with Extraversion and Neuroticism. Society for Neuroscience Abstracts, 31.
37. Congdon, E. Constable, R.T., and Canli, T. (2005). An fMRI investigation of neural networks differentially associated with behavioral versus cognitive inhibition. Society for Neuroscience Abstracts, 31.
38. Haas, B., Amin, Z., Constable, R.T., and Canli, T. (2005). Extraversion predicts increased functional connectivity in the anterior cingulate during the processing of positively valenced verbal stimuli. Society for Neuroscience Abstracts, 31.
39. Goldin, P. Canli, T., Gabrieli, J., and Gross, J. (2005) Neural substrates of eye gaze and social evaluative perspective in generalized social anxiety disorder. Anxiety Disorders Association of America, 25th Annual Conference, Seattle, WA, March 17-20, 2005.
40. Canli, T., Constable, R.T., and Lesch, K.P. (2005). A neural marker for depression vulnerability: Subgenual anterior cingulate hypoactivity in healthy carriers of the short allele of the 5-HT transporter gene polymorphism. Cognitive Neuroscience Annual Meeting, New York City, New York, April 10-12, 2005.
41. Omura, K. and Canli, T. (2005). A novel approach for localizing regions of interest in imaging studies of individual differences. Cognitive Neuroscience Annual Meeting, New York City, New York, April 10-12, 2005.
42. Amin, Z., Constable, R.T., and Canli, T. (2005). Gender differences in the implicit processing of emotional faces: A region of variance approach. Cognitive Neuroscience Annual Meeting, New York City, New York, April 10-12, 2005.
43. Congdon, E., Constable, R.T., and Canli, T. (2005). Investigating impulsivity: A comparative analysis of four response inhibition tasks using functional magnetic resonance imaging. Cognitive Neuroscience Annual Meeting, New York City, New York, April 10-12, 2005.
44. Haas, B.W., Constable, R.T., Lesch, K.P., and Canli, T. (2005). Inferior parietal lobule activation to emotional conflict varies as a function of 5HT1A receptor gene polymorphism. Cognitive Neuroscience Annual Meeting, New York City, New York, April 10-12, 2005.

45. Congdon, E., Canli, T., and Lesch, K.P. (2004). Defining and measuring the impulsivity endophenotype: Relationship between impulsivity and polymorphisms of serotonin and dopamine system-related genes. Conference on the Biological Basis of Personality and Individual Differences, Stony Brook University, August 13-15, 2004.
46. Haas, B., Constable, R.T., and Canli, T. (2004). Personality-dependent variance in functional connectivity between amygdala and other regions. Conference on the Biological Basis of Personality and Individual Differences, Stony Brook University, August 13-15, 2004.
47. Omura, K. and Canli, T. (2004). Variance maps as a novel tool for localizing regions of interest in imaging studies of individual differences. Conference on the Biological Basis of Personality and Individual Differences, Stony Brook University, August 13-15, 2004.
48. Canli, T., Amin, Z., and Lesch, K.P. (2004). Anterior cingulate activation to negative stimuli during an emotional attention task varies with 5-HT transporter gene polymorphism. Society for Neuroscience Abstracts, 30.
49. Haas, B., Constable, R.T., and Canli, T. (2004). An fMRI Study of the relative influences of conflict and affect on the anterior cingulate. Society for Neuroscience Abstracts, 30.
50. Congdon, E., Canli, T., and Lesch, K.P. (2004). Relationship between impulsivity and polymorphisms of serotonin and dopamine genes. Society for Neuroscience Abstracts, 30.
51. Gotlib, I.H., H. Sivers, M. Shah, P.R. Goldin, T. Canli, J. D.E. Gabrieli, and R. Cooney (2003). Neural activations in the processing of emotion faces predict recovery from depression. Society for Research in Psychopathology. Toronto, October 2003.
52. Canli, T., B. Haas, Z. Amin, and R.T. Constable (2003). An fMRI study of personality traits during performance of the emotional Stroop task. Society for Neuroscience Abstracts, 29.
53. Amin, Z., R.T. Constable, and T. Canli (2003). An fMRI study of attentional bias for valenced stimuli as a function of personality. Society for Neuroscience Abstracts, 29.
54. Congdon, E., Z. Amin, R.T. Constable, and T. Canli (2003). Individual differences in brain responses to emotional facial expressions: Using fMRI to predict effects of TMS. Society for Neuroscience Abstracts, 29.
55. Sivers, H., A. Tso, M. Shah, T. Canli, J.D.E. Gabrieli and I.H. Gotlib (2002). Neural response to emotional faces in remitted depressed individuals. Cognitive Neuroscience Society, April 14-16, 2002, San Francisco.
56. Gotlib, I.H., H. Sivers, T. Canli, K. L. Kasch, and J.D.E. Gabrieli (2001). Neural activation in depression in response to emotional stimuli. Society for Research in Psychopathology, November 1-4, 2001, Madison, Wisconsin.

57. Sivers, H., T. Canli, M.E. Thomason, J.D.E. Gabrieli, and I.H. Gotlib (2001). Neural correlates of estimates of performance feedback in major depression. *Society for Neuroscience Abstracts*, 27.
58. Canli, T., H. Sivers, K. Kasch, P. Osborn, J.D.E. Gabrieli and I.H. Gotlib (2001). An fMRI study of information processing in depression: the role of affective state. *Society for Neuroscience Abstracts*, 27, 560.6.
59. Thomason, M.E., T. Canli, H. Sivers, M.M. Keane, J.D.E. Gabrieli, and I.H. Gotlib (2001). An fMRI study of emotional word processing in major depression. *Society for Neuroscience Abstracts*, 27, 560.5.
60. Mather, M., T. Canli, T. English, G. Golarai, D. Fleischman, J.D.E. Gabrieli, and L.L. Carstensen (2001). An fMRI study of age-related changes in encoding and remembering emotional material. *Society for Neuroscience Abstracts*, 27.
61. Ochsner, K.N., S. A. Bunge, T. Canli, J. Gross, and J.D.E. Gabrieli (2001). Emotional reappraisal activates dorsal lateral and medial prefrontal cortex. *Society for Cognitive Neuroscience*, March 25-27, 2001, New York.
62. Sivers, H., Canli, T., Benson, E., Gabrieli, J.D., Bower, G.H. and Gotlib, I (2001). Neural response to performance feedback in depressed and psychologically healthy adults. *Society for Cognitive Neuroscience*, March 25-27, 2001, New York.
63. Canli, T., E. Benson, and J.D.E. Gabrieli (2000). Event-related activation in the amygdala correlates with emotional memory: a comparison between men and women. *Society for Neuroscience Abstracts*, 26, 754.7.
64. Benson, E.S., H. Sivers, T. Canli, M. Keane, I. Gotlib, and J.D.E. Gabrieli (2000). FMRI of cognitive bias in depression and social phobia. *Society for Neuroscience Abstracts*, 26, 754.1.
65. Canli, T., J. Brewer, Z. Zhao, J. D.E. Gabrieli and L. Cahill (1999). Event-related fMRI shows item-specific encoding of emotional memory in the amygdala. *Society for Neuroscience Abstracts*, 25.
66. Canli, T., Z. Zhao, G. Glover, and J. D.E. Gabrieli (1998). Amygdala activation at encoding correlates with long-term recognition memory for emotional pictures: an fMRI study. *Society for Neuroscience Abstracts*, 24.
67. Canli, T., J.E. Desmond, G. Glover, J.M. Bailey, and J. D.E. Gabrieli (1997). Brain activation in response to biologically relevant affective stimuli: an fMRI study. *Society for Neuroscience Abstracts*, 23.
68. Canli, T., J.E. Desmond, G. Glover, E. Kang, J. Gross, and J.D.E. Gabrieli (1997). An fMRI study of emotion processing: Correlations with personality measures. *Society for Cognitive Neuroscience*, 4.

69. Canli, T., J. Desmond, G. Glover, J. Gross, and J.D.E. Gabrieli (1996). An fMRI study of emotion processing: Valence-dependent hemispheric lateralization. *Society for Neuroscience Abstracts*, 22, 176.2.
70. Lam, Y.-W., A. Wong, T. Canli, and T.H. Brown (1995). Conditioned enhancement of the early component of the rat eyeblink reflex. *Society for Neuroscience Abstracts*, 21, 479.18.
71. Canli, T., and T.H. Brown (1994). Amygdala stimulation facilitates the eyeblink response in the rat. *Society for Neuroscience Abstracts*, 20, 414.14.
72. Canli, T., J. Anthony, and N.H. Donegan (1992). A possible mechanism for associatively decrementing US processing in rabbit eyeblink conditioning. *Society for Neuroscience Abstracts*, 18, 146.4.
73. Canli, T., K. Whitney and N.H. Donegan (1991). Effects of red nucleus stimulation on a Pavlovian unconditioned response (rabbit eyeblink). *Society for Neuroscience Abstracts*, 17, 130.11.
74. Canli, T., W.M. Detmer and N.H. Donegan (1990). Potentiation and diminution of a Pavlovian UR as a function of the CS-US interval in training and testing. *Society for Neuroscience Abstracts*, 16, 367.1.

Invited Talks

1. *Missing heritability of human traits: integrating gene expression in postmortem brain with behavioral, neural, and cellular validation.* **MRC/Wellcome Trust Behavioural and Clinical Neuroscience Institute (BCNI) at the University of Cambridge, U.K.**, July 13, 2015.
2. *Depression: Could pathogens play a causal role in its etiology?* **International Society for Research on Emotion (ISRE 2015), Geneva, Switzerland.** July 8, 2015.
3. *Novel Genes Associated with Trait Anxiety: From Postmortem Discovery to Experimental and Clinical Validation.* **Max Planck Institute for Psychiatry, Munich, Germany,** July 6, 2015.
4. *Assessment of gene-environment interactions in the Trier Social Stress Test.* **Department of Psychology, Technical University Dresden, Germany,** July 1, 2015
5. *“Purpose in Life” as a Psychosocial Resource: Regulator of social stress reactivity and gene expression in DLPFC and nucleus accumbens.* **ROS/MAP Meeting, Rush Medical Center, Chicago IL,** June 17, 2015.
6. *Novel Genes Associated with Trait Anxiety: From Postmortem Discovery to Clinical Validation.* APS Symposium: The Value of Traits in Clinical Science, **Association for Psychological Science (APS), New York,** May 23, 2015.
7. *Depression Reconceptualized as an infectious disease.* **Canadian Depression Research & Intervention Network (CDRIN), Ottawa, Canada,** February, 24, 2015.
8. *Lonely and Scared: An integrative approach to gene discovery in the human brain.* **University of Groningen, The Netherlands,** February 17, 2015.
9. *Is Depression an infectious disease?* **TEDxStony Brook,** November 14, 2014.
10. *Molecular Psychology and Systems Biology of Nucleus Accumbens and Amygdala.* **2013 McGovern Lecture, Beijing University, Beijing, China,** October 24, 2013.
11. *Loneliness and the Nucleus Accumbens.* **ROS/MAP Meeting, Rush Medical Center, Chicago IL,** May 27, 2013.
12. *A workshop on the regulation of gene expression through social and life stress experiences.* **2013 ICNC Cultural Neuroscience Conference, Northwestern University, Evanston IL,** May 10-12, 2013.
13. *Gene Regulation in the Trier Social Stress Test.* **Festschrift for Professor Dirk Hellhammer, Muehlheim an der Mosel, Germany,** June 30, 2012.

14. *Gene regulation in the human brain*. Fourth Annual Conference of the International Giessen Graduate School for the Life Sciences, **Justus Liebig Universität, Giessen, Germany**, September 22, 2011.
15. *The molecular psychology of decision-making*. Behavioral × Biological Economics and the Social Sciences Laboratory, **National University of Singapore, Singapore**, June 14, 2011.
16. *An Introduction to Molecular Psychology*. Faculty of Education, Graduate School of Education, **Kyoto University, Kyoto, Japan**, June 8, 2011.
17. *Integrating genes, brains, and social behavior*. "Genetic, Cellular, and Cognitive Approaches to Understanding Social Behavior": The 15th Annual Meeting of the ASSC Kyoto, **Social Neuroscience Satellite Joint Tamagawa – Caltech Lecture Course 2011, Kyoto, Japan**, June 7, 2011.
18. *An integrative approach to studying gene-behavior associations in the human brain*. Selected Talks Session. Genes, Brain & Behavior 13th Annual Meeting of the **International Behavioural and Neural Genetics Society (IBANGS), Rome, Italy**, May 11-14, 2011.
19. *Systems biology meets psychology*. **Wuerzburg Spring School, Schloss Schwanberg in Roedelsee, Germany**, April 14, 2011.
20. *Gene expression in the human brain*. **2011 Annual Spring School of the German Society for Psychophysiology, Schloss Rheinfels, St. Goar, Germany**, March 23, 2011.
21. *A novel approach to studying gene-behavior relations: Epilepsy, anxiety and gene regulation in the hippocampus*. **Department of Epileptology, Life & Brain Center, University of Bonn, Germany**, March 21, 2011.
22. *A novel approach to GxE: Beyond DNA and candidate genes*. Symposium on "Kurt Lewin 2.0: Gene by Environment interactions in personality, culture, and emotion", **Annual Meeting of the Society for Personality and Social Psychology, San Antonio, Texas**, January, 29, 2011.
23. *Biological bases of personality: Using biology to infer causality*. Spencer Foundation/Institute for New Economic Thinking conference "Beyond Correlation in the Study of Personality: Associations, Investments and Interventions". **University of Chicago, Chicago, IL**, December 10th, 2010.
24. *Linking genes to brains to behavior*. National Institute on Aging Division of Behavioral and Social Research Workshop on Economic Phenotypes. **Kellogg School of Management, Northwestern University, Evanston, IL**, October 14, 2010.
25. *Molecular psychology: Neuroimaging of gene-environment interaction in personality*. **Stockholm Brain Institute, Karolinska Institute, Stockholm, Sweden**, September 2nd, 2010.

26. *From SNPs to epigenetic regulation of stress reactivity: new horizons*. Dresden Spring School, **Technische Universität Dresden, Germany**, March 19, 2010.
27. *Neuroimaging of gene-environment interaction in personality*. **St. John's University, Jamaica, NY**, March 17, 2010.
28. *Neuroimaging of gene-environment interaction in personality*. **University of Massachusetts, Amherst**, December 10th, 2009.
29. *How life leaves its fingerprints on the genome – The end of genetic determinism*. Panel Discussant on “Nature and Nurture: Their Contributions to Behavior”, DeVos Medical Ethics Colloquy on Nature and Nurture. Grand Rapids, MI, September 28, 2009.
30. *The state of molecular psychology*. **Bilgi University, Istanbul, Turkey**, September 17, 2009.
31. *Gene-environment interaction and the serotonin transporter gene polymorphism*. **Annual Congress of the European College of Neuropsychopharmacology (ECNP), Istanbul, Turkey**, September 16, 2009.
32. *The neural basis of gene-environment interactions*. **36th International Congress of Physiological Science, Kyoto, Japan**, July 27, 2009.
33. *Towards epigenetic mechanisms in the human brain*. Experimental Neuropsychology and Cognition Research Center (Centre de Recherche En Neuropsychologie expérimentale et Cognition-CERNEC), **l'Université de Montréal, Canada**, April 24, 2009
34. *Neuroimaging of gene-environment interactions*. **Columbia University, New York, NY**, April 15, 2009.
35. *Neuroimaging of gene-environment interactions*. **Northwestern University, Evanston, IL**, April 2, 2009.
36. *Imaging genetics of neuroticism – A role for life stress*. Spring School: The ABC of Stress. **University of Dresden, Germany**, March 19, 2009.
37. *Imaging genetics of neuroticism*. 12th Annual Scientific Research Symposium sponsored by the **Anxiety Disorders Association of America, Albuquerque, NM**, March 13, 2009.
38. *Neurogenetics of gene-environment interactions*. **Pennsylvania State University, Philadelphia, PA**, February 25, 2009.
39. *The molecular psychology of human emotionality*. International Symposium on the Neuroscience of Emotion. **Keio University, Tokyo, Japan**, February 9, 2009.
40. *Serotonergic regulation of affect and personality*. Department of Clinical Neuroscience, Sahlgrenska Academy, **University of Gothenburg, Sweden**, November 6, 2008.

41. *Imaging genomics*. Workshop on Biology of Social Cognition, **Cold Spring Harbor Laboratory (CSHL)**, July 14-20, 2008.
42. *Opportunities for advancing behavioral and social research on aging: An introduction for psychological scientists*. **Association for Psychological Science (APS) Pre-Conference Workshop, Chicago, IL**, May 22, 2008.
43. *Brain imaging of gene x environment interactions*. **Society for the Study of Motivation Meeting** (Pre-conference associated with Association for Psychological Science), **Chicago, IL**, May 22, 2008.
44. *Neurogenetics of neuroticism and depression vulnerability*. **American Psychosomatic Society (APS) 66th Annual Meeting, Baltimore, MD**, March 12-15, 2008.
45. *Neuroimaging of gene-environment interactions in affective processing*. **European Molecular Biology Laboratory (EMBL), Monterotondo, Italy**, March 5, 2008.
46. *Neuroethics of transcranial magnetic stimulation*. Present and future of TMS. Safety and Ethical Guidelines. **Certosa di Pontignano, Siena, Italy**, March 6-9, 2008.
47. *A neural model of gene-environment interactions in affective processing*. Chair: Genetic Contributions to Affect. Emotion Pre-Conference, **Society for Personality and Social Psychology (SPSP), Albuquerque, NM**, February 7, 2008.
48. *Neurogenetics of personality*. Tamagawa-Caltech Joint Workshop “Neural Mechanisms of Social Mind”, Brain Science Institute, **Tamagawa University, Tokyo, Japan**, December 7, 2007.
49. *Gene-environment interactions: Neurogenetics of personality*. Department of Psychology, **Yale University**, November 29, 2007.
50. *Neural mechanisms for gene-environment interactions and their implications*. Roundtable Discussion on: *Genes for mental phenomena - implications for society*. **Annual Meeting of the Society for Neuroscience**, San Diego, November 7, 2007.
51. *Closing Lecture: Vulnerability for psychopathology: current trends in genomic imaging*. **43rd National Psychiatry Congress, Istanbul, Turkey**, October 27, 2007.
52. *Workshop: Designing a research study in genomic imaging*. **43rd National Psychiatry Congress, Istanbul, Turkey**, October 27, 2007.
53. *Genes and Emotions*. **Fatih University, Istanbul, Turkey**, October 25, 2007.
54. *Current issues in genomic imaging*. Department of Psychiatry, **University of Würzburg, Würzburg, Germany**, October 6-9, 2007.
55. *Neurogenetics of emotion and personality*. Graduate Kolleg Summer School of the University of Würzburg, **Kloster Bronnbach, Germany**, October 8, 2007.

56. *Neuroethics – An Overview*. **Brazilian Congress of Bioethics, Sao Paulo, Brazil**, August 27, 2007.
57. *Genomic psychology*. **Summer Institute in Social Neuroscience**. University of California, Santa Barbara, June 26, 2007.
58. *Genes and affect*. **Cold Spring Harbor Laboratory Summer Course** on “Molecular Mechanisms of Arousal and Attention”. Cold Spring Harbor, Banbury Center, June 23, 2007.
59. *Neuroticism as a risk factor for depression: A neural model of gene-environment interaction*. Symposium on: Cognitive, Neural, and Genetic Components of Mood-Related and Personality Pathology, **Association for Psychological Science (APS) Annual Convention**, Washington, D.C., May 27, 2007.
60. *Neural correlates of epigenetics*. **Society for Biological Psychiatry**. 62nd Annual Scientific Convention and Meeting, San Diego, CA, May 17, 2007.
61. *Smart drugs go to war*. The Neuroethics of Enhancement: how smart are smart drugs? **Dana Foundation**, Washington, D.C., May 14, 2007.
62. *Genes, brains, and behavior: Genomic psychology*. **F.C. Donders Centre for Cognitive Neuroimaging, Nijmegen, The Netherlands**, May 11, 2007.
63. *Genes and affective processing*. Advanced Study Initiative (ASI) on Integrating Imaging and Genetics in Cognitive Research, **Royal Academy of Science, Amsterdam, The Netherlands**, May 10, 2007.
64. *Neural correlates of emotion and personality: the role of gene-environment interactions*, Department of Psychology, **University of California, Berkeley**, January 16, 2007
65. *Neural correlates of emotion and personality: the role of gene-environment interactions*, Magnetic Resonance Research Center, **Yale University**, January 11, 2007.
66. **Chair and Panelist**: Session on “The body/mind shop”. **Seventh international joint conference on Science and Society**: "Genes, Brain/Mind and Behaviour". Co-sponsored by The European Molecular Biology Laboratory (EMBL) and the European Molecular Biology Organization (EMBO). **Heidelberg, Germany**, November 3-4, 2006.
67. Discussant: *Neuroscience applications in the U.S. Army*. Workshop on Opportunities in Basic Research in the Behavioral and Social Sciences for the U.S. Military. **The National Academies**, Washington, D.C., October 24, 2006.
68. *Neuroscience applications in Aviation Security*. **AVSEC (Aviation Security) World, Sydney, Australia**, October 18, 2006.
69. *The serotonin transporter polymorphism - Neural correlates of action and epigenesis*, Department of Psychology, **Yale University**, October 12, 2006.

70. *Neurogenetics of personality and affect*. **Mahoney Institute of Neurological Science, University of Pennsylvania**, October 3, 2006.
71. **Organizer, Chair, and Panelist**. *Neuroscience and Neuroethics in the War on Terror*. First International Workshop in Neuroethics and Homeland Security. **Tufts University and The Boston Museum of Science**, September 29, 2006.
72. *The neurogenetic basis of personality*. **Annual Meeting of the Society for the Study of Evolution**, Stony Brook University, June 23-27, 2006.
73. *The biology of personality: Genetic influences on the brain*. Invited Lecture, Long Island Psychology Conference, **Hofstra University**, April 30, 2006.
74. Alumni Recognition Award Lecture: *The Politics of Fear: What is there to fear?* EPIIC Symposium on *The Politics of Fear*, **Tufts University**, February 23, 2006.
75. *Neurogenetic mechanisms of affect processing in personality*. Symposium on Individual Differences in Emotional Processing: Behavioral, Neural, and Genetic Mechanisms. **Annual Meeting of the Society for Personality and Social Psychology**, Palm Springs, January 26-28, 2006.
76. *Molecular-genetic mechanisms of emotional brain reactivity*. The 3rd Takeda PharmaScience Foundation Symposium on Frontiers in Neuro-PharmaSciences: Molecular Pathogenesis and Drug Action. **Tokyo, Japan**, December 6, 2005; Center of Excellence, **University of Tsukuba, Japan**, December 9, 2005.
77. *Neurogenetic foundations of personality*. **Princeton University**, Seminar Series on "Social Decision-making", November 29, 2005.
78. *Homeland security and neuroscience: a neuroethics perspective*. EPIIC (Education for Public Inquiry and International Citizenship) Colloquium on Politics of Fear. **Tufts University**, October 18, 2005.
79. **Opening Lecture**: *Genomic imaging of personality: Towards a molecular neurobiology of neuroticism*. **Annual Meeting of the German Society for Psychology, University of Marburg, Germany**, September 26-27, 2005.
80. *Amygdala activation as a function of serotonergic gene variation: Case studies from the 5-HTT, HTR1A, and TPH2 polymorphisms*. Department of Psychiatry, **University of Würzburg, Germany**, September 23, 2005.
81. *Genomic imaging of personality*. Magnetic Resonance Research Center, **Yale University**, May 19, 2005.
82. *Genomic imaging of personality*. **Genetics Program Retreat** at the Stony Brook Sunwood Estate on Friday, January 21, 2005.
83. *Brain mapping of personality*. Department of Medicine. **Brookhaven National Laboratories**, November 18, 2004.

84. *Brain mapping of personality*. Minisymposium on Individual Differences in Brain-Behavior Relationships. **34th Annual Meeting of the Society for Neuroscience**, San Diego, California, October 23-27.
85. *Deconstructing neuroticism: gene-brain interactions during an emotional attention task*. Invited Symposium chair, Annual Convention of the **Society for Experimental Social Psychology**, Fort Worth, Texas, October 16, 2004.
86. *Imaging genomics of emotion*. Leipzig Workshop on Advances in the Cognitive Neuroscience of Emotional Communication, **Max Planck Institute for Human Cognitive and Brain Science, Leipzig, Germany**, September 4, 2004.
87. *Gene-brain associations in personality*. **Conference on the Biological Basis of Personality and Individual Differences**, Stony Brook University, August 13, 2004.
88. *Neuroethics of personality neuroscience*. **New York Academy of Sciences**, New York, July 23, 2004.
89. *Towards molecular mechanisms of extraversion and neuroticism*. Department of Psychology, **Johns Hopkins University**, June 24, 2004.
90. *Brain mapping of extraversion and neuroticism: An individual differences approach*. **American Psychological Society**, 16th Annual Convention, Chicago, IL, May 28, 2004.
91. *Mapping genetic influences on emotional brain reactivity*. Cognitive Neuroscience Colloquium, **New York University**, April 2, 2004.
92. *Genetic polymorphisms and the neural basis of affective cognition*. Institute for Research in Cognitive Science Colloquium Series, **University of Pennsylvania**, February 27, 2004.
93. *Imaging genomics*. Department of Psychiatry, **University of Würzburg, Germany**, January 19, 2004.
94. *Emotional memory and personality*. Conference on 'Learning and the Brain'. **Harvard University/MIT**, Boston, MA, November 6, 2003.
95. *Cognitive-affective brain processes: The role of personality traits*. Workshop on Culture, Emotion and the Brain, Department of Psychology, **Harvard University**. June 23, 2003.
96. *Brain mapping of personality*. Department of Psychology, **University of Pittsburgh**, February 12, 2003.
97. *Brain mapping of personality*. Department of Neurobiology, **SUNY Stony Brook**, February 20, 2003.
98. *Brain mapping of personality*. **Swarthmore College** February 21, 2003.
99. *Brain mapping of personality*. Department of Radiology, **Yale University**, April 10, 2003.

100. *The integration of personality and affective-cognitive processing*. **Association for Research in Personality**, Los Angeles, February 3rd, 2003.
101. *Neural substrates of personality traits*. International Symposium on Networks and Behavior, **National Centre for Biological Sciences, Bangalore, India**. January 3-6, 2003.
102. *Studies of the biological basis of personality: Integrating multiple brain mapping approaches*. Series in Social and Affective Neuroscience, Department of Psychology, **Harvard University**, Dec 13, 2002.
103. *Studies of the biological basis of personality: Integrating multiple brain mapping approaches*. Department of Psychology, **Tufts University**, Dec 12, 2002.
104. *Functional brain imaging of personality: Traits as emerging properties*. Institute of Cognitive Neuroscience and Social Genetic and Developmental Psychiatry Research Center, **Institute of Psychiatry, London, England**. July 3rd and 4th, 2001.
105. *Brain and the law: Current work in neuroimaging*. Conference on Evolutionary Biology, Economics and Law, organized by the **Gruter Institute for Law and Behavioral Research**. Squaw Valley, June 1, 2001.
106. *Seeking signal in the noise: What individual differences can teach us about fundamental mechanisms of emotion*. First International Conference on Social Cognitive Neuroscience. **UCLA**, April 26-28, 2001.
107. *fMRI Studies in emotion: The role of individual differences in experience and personality*. **University of California, Berkeley**. Institute of Personality and Social Research Fall 2000 Colloquium Series. November 15, 2000.
108. *Neural correlates of emotion*. Personality Seminar Series. **Stanford University**. April 15, 1999.
109. *At the intersection of affect and personality: First imaging data*. **Medical Research Council, Applied Psychology. Cambridge, England**. May 20, 1998.

Coverage of Research (selected items)

Textbooks

- Psychology and Life (2012, 20th edition), by Richard Gerrig. Pearson, New York.
- Experience Psychology (2010), by Laura A. King. McGraw Hill, New York.
- Psychology and Life (2009, 19th edition), by Richard J. Gerrig and Philip Zimbardo. Allyn & Bacon, New York.
- The Personality Puzzle (2007, 4th edition), by David C. Funder. W.W. Norton & Company, New York.

- Psychobiology of Personality (2005, 2nd edition), by Marvin Zuckerman. Cambridge University Press, Cambridge, UK.
- Fundamentals of Human Neuropsychology (2003, 5th edition, p. 524), by Bryan Kolb and Ian Q. Wilshaw. Worth Publishers, New York.
- Psychology (3rd edition), by Don Hockenbury and Sandra Hockenbury (Eds.). Worth Publishers/W.H. Freeman & Company.
- Biological Psychology (2002, 3rd edition, Figure 15.12), by Rosenzweig, Breedlove, and Leiman (Eds.). Sinauer Associates, Sunderland, MA.
- Psychology: The brain, the person, the world (2nd edition), by Stephen Michael Kosslyn and Robin S. Rosenberg (Eds.). Book News, Portland, OR.
- Fundamentals of Human Neuropsychology (2003, 5th edition), by Bryan Kolb and Ian Q. Whishaw. Worth Publishers, New York.
- Psychological Science, web-based compendium to the textbook (2003), by Michael S. Gazzaniga and Todd F. Hetherington. W.W. Norton, New York.

Print/Online

- The Guardian (1/4/2015). Is depression a kind of allergic reaction? <http://www.theguardian.com/lifeandstyle/2015/jan/04/depression-allergic-reaction-inflammation-immune-system>
- Huffington Post (12/2/2014). Why This Psychologist Thinks Depression Is An Infectious Disease. http://www.huffingtonpost.com/2014/12/02/depression-infectious-dis_n_6172074.html
- New York Times (11/26/2014). What If We're Wrong About Depression? http://op-talk.blogs.nytimes.com/2014/11/26/what-if-were-wrong-about-depression/?partner=rssnyt&emc=rss&_r=0
- Weekly Magazines: Newsweek (U.S. edition 2/21/2005; international edition 1/17/2005; Korean edition March 2005)
- *Science*, 306, 24 December 2004, p. 2164: "Editor's Choice: Highlights from the recent literature".
- *Science*, 307, 11 March 2005, p. 1548: "Brain scans raise privacy concerns" (an article about neuroethics).
- APA Monitor. February 2001, pp. 66-68. Time Magazine, January 20, 2003.
- Press Services: Associated Press, United Press International, German and French Press Agencies.
- Selected Newspapers: New York Times, Boston Globe, Los Angeles Times, Chicago Tribune Toronto Star, Philadelphia Inquirer, Wall Street Journal, Sabah (Turkey), Hurriyet (Turkey), Apoteken Umschau (Germany)

Radio

- Selected Radio Stations: National Public Radio, ABC News Radio with Sam Donaldson, Voice of America, VOA Turkey, BBC, Public Radio South Africa, local stations across the U.S., Canada, Ireland.
- NPR broadcast of "The Infinite Mind: Neuroethics". Program broadcasted September 7th, 2003. Archived file available at www.theinfinitemind.com.

Television

- Turkish National Television (NTV), 12/1/2014.
- Television: newscasts on CNN, MSNBC, various local stations.

- Canadian Broadcasting Company. As part of a 5-part 5-hour series on “War of the Sexes”, my work was extensively featured in a one-hour program and was aired in February 2004 in French on Radio-Canada (the National French-Canadian TV station) and September 2005 on CBC in English.
- Swedish National Education Broadcasting Company. As part of a 4 part TV series on “Frontiers of the Brain”, my work was extensively featured in a program on “The Extroverted”. The program was shown in Sweden in the Spring of 2005 to an audience of several hundred thousand Swedish viewers and is now part of the education program in neuropsychology at the University of Uppsala.

Teaching and Mentoring Experience

Classes taught

Graduate

BGE 560, Journal Club in Molecular Psychology (2011)
 BGE 510, Responsible Conduct in Research (Spring 2011, Genetics Program)
 PSY 638, The Biological Basis of Personality (Fall 2005, Psychology)
 PSY 638, Affective Neuroscience (Spring 2002, Psychology)

Undergraduate

Molecular Psychology (Fall 2014)
 Neuroethics (Spring 2013)
 Changing the world with \$20 Microcredits (Spring 2010)
 Introductory Psychology (Spring 2003, 2004, 2005, Spring and Fall 2006, Fall 2007, 2009, 2011, 2012, Stony Brook University)
 Neuroethology (Fall 2001, 2002, 2003, Spring 2010, 2012, Stony Brook University)
 Introduction to Personality (Fall 2000, University of California, Berkeley)
 Neuroscience of Learning and Memory (1988, Tufts University)
 Research Methods (Spring 2006, 2007, 2009, Stony Brook University)
 Supervised Research Tutorials (2001- Present, every semester)
 Honors Program (Spring 2007, Stony Brook University)

Advisees

Postdoctoral

Dirk Moser (2010-2011), Prerona Mukherjee (2011-present), Anett Müller-Alcazar (2010-2012), Hiroki Murakami (2011-2012), Kazufumi Omura (2003-2006).

Graduate

Zenab Amin (Psych, 2001-5), Eliza Congdon (Psych, 2002-8), Xanna D’Agostino (Neuroscience, 2013-present), Elif Duman (Psych, 2007-2012), Jamie Ferri (Psych, 2008-present), Alicia Grande (Psych, 2005-2007), Stephanie Izzi (Genetics, 2010-present); Xiaosi Gu (Psych, 2005-2007), Brian Haas (Psych, 2002-6), Yael Isler (Psych, 2009-2011), Magdalena Jurkewitz (Genetics, M.D./Ph.D., MSTP 2009-2013), Breana Miller (Medical, Summer 2002), Jasmin Roohi (M.D./Ph.D., MSTP, Summer 2004), Babak Sadighim (Psych, 2011).

Undergraduate

Jane Ahn (2013-14), Sarah An (2010-2011), Bilal Asif (2010-2012), Alarico Barabino (2011-2012), Dmitry Butsenko (2012), Ghazal (Giselle) Chahili (2013-15), Pirtya Chugh (2011), Dina Cottone (2013-14), Wendy Fang (2013-14), Alicia Francisco (2012), Stephen Germana (2013-14), Radeyah Hack (2005-6), Lamia Haider (2013-), Jayanta Hedge (2001-2), Simon Huang (2011-13), William Ji (2013-14), Sarah Khan (2001-3), Emma Kobolakis (2010-2011), Chris Lonardo (2006), Eric Lubomir (2013-15), Sidra Mahfooz (2010), Meher Mamoor (2011-2012), Nicole Markopoulos (2013-), Nicole Marsan (2006-7), Dorothy McGee (2014-15), Yi Miao (2011-2012), Rajaa Mourabet (2010-2011), Mohammed Naqi (2012), Shahtaz Newaz (2010-2011), Natalie Odynocki (2011-2012), Jezreel Otto (2003-4, 2006-7), Radoslav Petrov (2009-2010), Ioana Radu (2002-3), Elizabeth Ramjas (2006-7), James Ryan (2009), Crystal Sandiford (2004-6), Lily Sarrafha (2011-2012), Shephali Sharma (2009-2010), Amandeep Singh (2011-2012), Jason-flor Sisante (2005-7), Lindsay Slater (Cornell University, Summer 2002), Daniel Swerdloff (2011-2012), Narumi Tokunaga (2004-6), Andrea Tountas (2012), Shaomin Wei (2005), Jennifer Williams (2012), Henry Xiao (2011-2012).

High School

Christine Elluman (Summer 2004), Rachel Goldstein (Summer 2004, 2005), Kristin Grotecloss (Fall 2002), Karen Law (Summer 2002), Hillary Lin (Summer 2006-Spring 2007), Julie Linzer (Summer 2005), Hillary Wool (Summer 2004 - Spring 2005).

Advisee Honors

- 2013 Ghazal Chahili: Explorations in STEM Research
- 2012 Simon Huang: URECA Summer Fellowship Award
- 2011 Bilal Asif: URECA Summer Fellowship Award
- 2008 Eliza Congdon: President's Award to Distinguished Doctoral Students (Stony Brook)
Elizabeth Ramjas: Minorities in Psychology Award (Stony Brook)
- 2007 Hillary Lin, Intel Semi-Finalist
Eliza Congdon:
- SfN Women in Neuroscience Graduate Student Travel Award
 - Invited Presenter, NIH National Graduate Student Research
- 2006 Brian Haas, Retirees' Dissertation Fellowship
Eliza Congdon, Alumni Graduate Summer Fellowship
Rachel Goldstein:
- Intel Semi-Finalist
 - Round One Winner: Long Island Science and Engineering Fair
 - 2nd place, Round Two: Long Island Science and Engineering Fair
 - 2nd place, New York State Science and Engineering Fair
 - The American Psychological Association Teachers of Psychology in Secondary Schools : Certificate of Award for Outstanding Research in Psychology
- Crystal Sandiford, Minorities in Psychology Scholarship Award, Dept. of Psychology, Stony Brook University
Narumi Tokunaga, 2nd place, Psi Chi Research Conference
- 2005 Jason-flor Sisante, MARC (Minority Access to Research Career) Fellowship
Eliza Congdon, Alumni Research Fellowship, Honorable Mention
Rachel Goldstein, Simons Fellow
Narumi Tokunaga, URECA (Undergraduate Research and Creativity Award) Research Fellowship

Hillary Wool:

- 1st Place at the Rohm and Haas Invitational Science Fair (Behavioral Science category)
 - Round One Winner -- Long Island Science and Engineering Fair
 - Honorable Mention in Round Two of LISEF
 - The American Psychological Association Teachers of Psychology in Secondary Schools : Certificate of Award for Outstanding Research in Psychology
- 2004 Eliza Congdon, Award for Excellence in Research (2nd Year Project)
Christine Ellman, Simons Fellow
Hillary Wool, Simons Fellow
- 2002 Karen Law
- Intel Semi-Finalist
 - Simons Fellow
- 2002 Breena Miller, M.D., with recognition in research program
- 2002 Kristin Grotecross, Discovery Young Scientist Challenge Finalist
- 2001 Jayanta Hedge, Honors College
Sarah Khan, Honors College

Dissertations supervised

Ph.D. in Genetics

- Stephanie Izzi, *Neural Correlates and Peripheral miRNAs Associated with Stress-Induced Telomere Shortening*. Defended July 30, 2014.
- Magdalena Jurkiewicz, *The Role of microRNA in Trait and State Anxiety*. Defended July 31, 2013.

Ph.D. in Psychology

- Jamie Ferri, *Attentional Deployment within Unpleasant Pictures: Neural Correlates & Functional Connectivity*. Defended April 9, 2014.
- Elif Duman. *Impact of Early Life Stress and 5-HTTLPR on Adulthood Stress Reactivity: Investigation of Changes in Cortisol, Gene Expression and DNA Methylation*. Defended August 10, 2012.
- Eliza Congdon. *The Neurogenetic Basis of Behavioral Inhibition*. Defended April 25, 2008.
- Brian Haas. *Differential Temporal Dynamics of BOLD Signal during Emotional Tasks Associated with Personality*. Defended December 6, 2006.
- Zenab Amin. *Effects of Hormonal Variation on Neural Correlates of Cognitive-Affective Processing*. Defended August 12, 2005.

Ph.D. in Neuroscience

- Alexandra D'Agostino. *Loneliness and Brain Response to Social and Emotional Images in Older Adults*. Dissertation proposal approved. Defense expected August 2015.

Alumni Placements (first placement after graduation)

Postdoctoral Advisee Alumns

Kazufumi Omura, Ph.D., Associate Professor, Yamagata University, Japan

Anett Müller-Alcazar, Ph.D., Assistant Professor, Medical School Hamburg, Germany

Graduate Advisee Alumns

Zenab Amin, Ph.D., Postdoctoral Fellow, Yale University

Eliza Congdon, Ph.D., Postdoctoral Fellow, University of California, Los Angeles

Elif Duman, Ph.D., Assistant Professor, Department of Psychology, Bosphorus University, Istanbul, Turkey.

Brian Haas, Ph.D., Postdoctoral Fellow, Stanford University

Magdalena Jurkiewicz, Ph.D., continued M.D. training at Stony Brook School of Medicine (completed M.D. May 2015).

Stephanie Izzie, Ph.D., Speech Language Pathology Research and Practice at MGH Institute of Health Professions.

High School Advisee Alumns

Christine Ellman, Yale University

Rachel Goldstein, Cornell University

Karen Law, Massachusetts Institute of Technology

Hillary Lin, Stanford University

Hillary Wool, Dartmouth College

Department and University Service

Departmental Specialties and Dissertation Committee Service

2015 Ellen Kessel, Pete Manza

2014 Thang Le, Colin Sauder

2013 Thang Le, Colin Sauder

2012 Elif Duman, Tsafir Greenberg

2011 Xiaomeng (Mona) Xu, Jazdzia Jagiellowicz, Jamie Ferri, Elif Duman

2010 Elif Duman

2009 Tsafir Greenberg, Genna Hymowitz, Jazdzia Jagiellowicz

2008 Bianca Acevedo, Eliza Congdon, Xiaomeng (Mona) Xu

2007 Bryan Jones

2006 Bianca Acevedo, Eliza Congdon, Brian W. Haas, Bryan Jones, Sarah Ketay

2005 Zenab Amin, Stewart Shankman, Eliza Congdon, Brian W. Haas

2004 Zenab Amin

2003 David J. Echevarria, James P. Morris

2002 David J. Echevarria, Charles Metzging, Stewart Shankman

2001 Jennifer E. Graham, James P. Morris

Other Dissertation Committees

2014 Stephanie Izzi (Stony Brook Genetics Program)

2014 Craig Garafola (Stony Brook Genetics Program)

2013 Magdalena Jurkiewicz (Stony Brook Genetics Program)

2011-13 Craig Garafola (BNL, Stony Brook Genetics Program)

2008-10 Mary Kusenda (CSHL, Stony Brook Genetics Program)

2003-4 Wynne Schiffer (Neurobiology)

Other Departmental Committee Service

Graduate Education Committee (2002- 2007)
 Clinical Faculty Search (2004, 2009)
 Colloquium Committee (2002-2003)
 Biopsychology Faculty Search (2002)
 Reputation Committee (2001-02)

University Committee Service

Committee on Research in Human Subjects, CORIHS (2013-present)
 IDC/Royalties Team (2013- present)
 Advisory Council, Genomics Core Facility (2012 -present)
 Incidental Findings Subcommittee, CORIHS (Committee on Research in Human Subjects; 2011)
 Bioimaging Institute Executive Committee (2009-present)
 Imaging Project Executive Committee (2008)
 Core Committee, Computational Neuroscience Center Chair Search (2007-2008)
 General Advisory Council (GAC), General Clinical Research Center (GCRC) (Spring 2005-2012)
 University Senate, Graduate Council (Fall 2005- Spring 2006)
 Simons Fellowship Committee (2002- 2008)

Professional Activities and Memberships

2006 Co-Founder, Member of the Board of Directors and Executive Board, The Neuroethics Society

Extensive activities, including membership on the Executive Board since 2006, Chairmanship of the Organizing Committee for the Annual Society Meetings, international travel lecturing, promoting, and supporting the development of Neuroethics (details listed under the relevant sections).

National and International Advisory Service

2014	Consultant to Biomedical Research Alliance of New York, Product Review for software product “Protocol Builder”
2012	Consultant to the <i>Presidential Commission for the Study of Bioethical Issues</i> , Washington, D.C.
2010	National Science Foundation: Workshop on Genes, Cognition, and Social Behavior
2009 - 2014	Templeton Positive Neuroscience Steering Committee
2009	Advisory Council, Brazilian Ethics and Bioethics Institute, Sao Paulo, Brazil.
2008	Member, National Advisory Council on Aging (NACA), Genetics Subcommittee. National Institute on Aging (NIA), Division of Behavioral and Social Research (DBSR).
2005	Adviser to the Clinical Research Group on Attention-Deficit-Hyperactivity Disorder, Julius-Maximilians-Universität Würzburg, Germany.
2005 - 07	Adviser on “Identity” exhibit, Franklin Institute, Philadelphia, PA.

International Dissertation Supervision and Examination

2015	Michelle Servaas, University of Groningen, The Netherlands
2012	Jonas Waider, Julius-Maximilians-Universität Würzburg, Germany.

2010	Opponent to Tina Lonsdorf, Karolinska Institute, Stockholm, Sweden.
2008 – 2012	Jonas Waider, Julius-Maximilians-Universität Würzburg, Germany.
2008	Opponent to Susanne Henningson, Institute of Neuroscience and Physiology at the Sahlgrenska Academy, University of Gothenburg, Sweden.

Board Membership

2006 – 2015	Co-Founder, Member of the Governing Board and Executive Committee, Neuroethics Society
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Editorial Positions

2011-Present	Editorial Board, <i>Culture and Brain</i>
2011-Present	Editorial Board, <i>Journal of Neuroscience, Psychology and Economics</i>
2010- Present	Editorial Board, <i>Biology of Mood & Anxiety Disorders</i>
2005- Present	Associate Editor, <i>Social Neuroscience</i>
2008- 14	Editorial Board, <i>Psychological Bulletin</i>
2004-7	Consulting Editor, <i>Emotion</i>
2004-5	Consulting Editor, <i>Psychophysiology</i>
2004-5	Consulting Editor, <i>Individual Differences Research</i>

Chair

- Symposium on “Genetics of Stress”, Spring School: The ABC of Stress. University of Dresden, Germany, March 19, 2009.
- Symposium: Genetic Contributions to Affect. Emotion Pre-Conference, Society for Personality and Social Psychology (SPSP), Albuquerque, NM, February 7, 2008.
- Session on “The body/mind shop”. Seventh international joint conference on Science and Society: "Genes, Brain/Mind and Behaviour". Co-sponsored by The European Molecular Biology Laboratory (EMBL) and the European Molecular Biology Organization (EMBO). Heidelberg, Germany, November 3-4, 2006.
- Organizer, Chair, and Panelist. Neuroscience and Neuroethics in the War on Terror. First International Workshop in Neuroethics and Homeland Security. Tufts University and The Boston Museum of Science, September 29, 2006.
- Symposium: Neural Basis of Personality and Social Behavior. Annual Convention of the Society for Experimental Social Psychology, Fort Worth, TX, October 16, 2004.

Grant Panels and Reviews

2015	NIH Molecular Neurogenetics (MNG) Study Section
2014	John Templeton Foundation
2014	NSF, Cognitive Neuroscience Panel
2013, ‘14	NSF CAREER Award Review: Application of Kateri McRae Behavioral Neuroscience Fellowship (F02A) NIH study section
2013	Chair, Study Section ZRG1 BBBP-R, Special Emphasis Panel: Biobehavioral Mechanisms of Emotion, Stress and Health
2010	Stage 2 (Senior) Reviewer, Science of Behavior Change: Finding Mechanisms of Change in the Laboratory and the Field (R01) Funding Opportunity Announcement (FOA), National Institutes of Health
2010-11	Netherlands Organization for Scientific Research
2009-10	National Science Foundation, Cognitive Neuroscience

- 2007 National Institute of Mental Health, special Emphasis Panels, R24 - Building translational research in integrative behavioral science: ZMH-1 CNF ERB-C 01
- 2006 National Institutes of Health, Special Emphasis Panels: ZMH1 ERB-Q (01)
- 2006 Veteran's Administration Research & Development Service
- 2006 University of Ottawa's University Medical Research Fund (Department of Psychiatry)
- 2006 Social Sciences and Humanities Research Council of Canada
- 2005 Deutsche Forschungsgemeinschaft (Germany)
- 2005-07 National Science Foundation, Minority Post-Doctoral Fellowship Program
- 2004-05 National Science Foundation, Human and Social Dynamics Panel
- 2004-06 National Institutes of Health, Special Emphasis Panels: Language & Communication, Cognition & Perception, Cognitive Fellowship Panel F12A
- 2003 National Science Foundation (NSF)
- 2003 FWF (Austrian Science Agency)
- 2003 ISF (Israel Science Foundation)
- 2003 The Wellcome Trust (U.K.)
- 2002 National Science Foundation (NSF)
- 2002 FWF (Austrian Science Agency)
- 2002 The Wellcome Trust (U.K.)

Reviewer, Journals (last 5 years)

American Journal of Bioethics – Neuroscience; Archives of General Psychiatry; Behavioral Neuroscience; Biological Psychiatry; Biological Psychology; Brain; Brain, Behavior, and Immunity; Brain Research; Brain Structure & Function; Cerebral Cortex; Cognitive, Affective, & Behavioral Neuroscience; Consciousness and Cognition; Current Opinion in Neurobiology; Developmental Psychobiology; Emotion; Genes, Brain, and Behavior; Hormones and Behavior; Human Brain Mapping; Individual Differences Research; The International Journal of Neuropsychopharmacology; JAMA; Journal of Affective Disorders; Journal of Neuroscience; Journal of Cognitive Neuroscience; Journal of the International Neuropsychological Society; Journal of Personality and Social Psychology; Learning & Memory; Molecular Psychiatry; Nature; Nature Neuroscience; Nature Protocols; Neuroimage; Neuropsychologia; Neuropsychopharmacology; Neuroscience; Neuroscience Imaging; Neuroscience Letters; Proceedings of the National Academy of Sciences; Proceedings of the Royal Academy, B; Psychiatry Research; Psychiatry Research: Neuroimaging; Neuroimage; Neuropsychiatric Genetics; Personality and Social Psychology Review; PLOS ONE; Psychology and Aging; Psychological Bulletin; Psychological Science; Psychoneuroendocrinology; Psychophysiology; Science; Social, Cognitive, and Affective Neuroscience; Social Neuroscience; Social and Personality Psychology Compass; The Quarterly Journal of Experimental Psychology (A); Trends in Cognitive Science; Trends in Neurosciences.

Reviewer, Tenure Decisions

- 2013 Candidacy of **Dr. Nelly Alia-Klein** for Promotion to Associate Professor, Department of Psychiatry, Icahn School of Medicine at Mount Sinai, NY.
Candidacy of **Dr. Lena Lämmle** for Promotion to Associate Professor with tenure, Technische Universität München, Germany.
Candidacy of **Dr. Venkata Mattay** for Promotion to Associate Professor, Department of Neurology, Johns Hopkins University School of Medicine, MD.

2009 Candidacy of **Dr. Jeremy Gray** for Promotion to Associate Professor, Department of Psychology, Yale University, CT.

Reviewer, Books, Book Proposals and other

- 2014 *Genetics of Psychological Well-Being*, Oxford University Press (2015 publication date).
 2008 “Motivation Perspectives on Cardiovascular Response”, Editors: Wright and Gendolla, presented to Oxford University Press.
 2005 “Sex on the brain: From genes to behavior”; Editors: Jill B. Becker, Karen Berkley, Nori Geary, Elizabeth Hampson, James Herman, and Elizabeth Young, presented to Elsevier.
 2003 “*Emotional Cognition*”, Moore & Oaksford (Eds.), John Benjamins Publishing
 2000 “*Current Controversies & Issues in Personality*” (3rd edition), by L.A. Pervin, John Wiley & Sons, Inc. (2000)

Consultant

- 2001 FaxMed, Inc. (2001)
 2000 Pharmacia & Upjohn, member of an advisory panel to discuss brain imaging approaches to drug discovery

Conferences and Workshops Organized

- 2010 Conference Organizer and Organizing Committee Chair of the Second Annual Meeting of the Neuroethics Society, Washington, D.C., November 11-12, 2010.
 2008 Conference Organizer and Organizing Committee Chair of the First Annual Meeting of the Neuroethics Society, Washington, D.C., November 13-14, 2008.
 2006 Organizer: “Neuroscience and Neuroethics in the War on Terror”. First International Workshop in Neuroethics and Homeland Security. Tufts University and The Boston Museum of Science, September 29, 2006.
 2004 Organizer: Conference on “The biological basis of personality and individual differences”, Stony Brook University, August 13-15, 2004.
 2004 Organizer: Invited symposium on functional neuroimaging and social psychology, Annual Meeting of the Society for Experimental Social Psychology, Fort Worth, Texas, October 16, 2004.
 2001 Organizer: Social on “Biological Basis of Personality, Sex Differences, and Individual Differences”, Annual Meeting of the Society for Neuroscience, San Diego, CA.
 1996 Founder and Organizer: Stanford Affective Neuroscience Seminar Series

Professional Memberships

American Association for the Advancement of Science
 American Psychological Association
 Association for Psychological Science
 Epigenetics Society
 International Behavioral and Neural Genetics Society
 International Neuroethics Society (Co-Founder, Executive Board member 2006-2015)
 International Society for Research on Emotion
 Society for Cognitive Neuroscience
 Society for Neuroscience
 Society for Personality and Social Psychology