Tor Wager

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Executive summary

- **Appointments**: Faculty since 2004, starting as Assistant Professor at Columbia University. Associate Professor in 2009, moved to University of Colorado, Boulder in 2010; Professor since 2014. 2019-Present: Diana L. Taylor Distinguished Professor of Psychological and Brain Sciences at Dartmouth College.
- **Publications**: 240 publications with >50,000 total citations (Google Scholar), 11 papers cited over 1000 times. H-index = 79. Journals include Science, Nature, New England Journal of Medicine, Nature Neuroscience, Neuron, Nature Methods, PNAS, Psychological Science, PLoS Biology, Trends in Cognitive Sciences, Nature Reviews Neuroscience, Nature Reviews Neurology, Nature Medicine, Journal of Neuroscience.
- **Funding**: Currently principal investigator on 3 NIH R01s, and co-investigator on other collaborative grants. Past funding sources include NIH, NSF, Army Research Institute, Templeton Foundation, DoD. P.I. on 4 R01s, 1 R21, 1 RC1, 1 NSF.
- **Awards**: Awards include NSF Graduate Fellowship, MacLean Award from American Psychosomatic Society, Colorado Faculty Research Award, “Rising Star” from American Psychological Society, Cognitive Neuroscience Society Young Investigator Award, Web of Science “Highly Cited Researcher”, Fellow of American Psychological Society. Two patents on research products.
- **Outreach**: >300 invited talks at universities/international conferences since 2005. Invited talks in Psychology, Neuroscience, Cognitive Science, Psychiatry, Neurology, Anesthesiology, Radiology, Medical Anthropology, Marketing, and others. Media outreach: Featured in New York Times, The Economist, NPR (Science Friday and Radiolab), CBS Evening News, PBS special on healing, BBC, BBC Horizons, Fox News, 60 Minutes, others.
- **Service**: Service includes editorial board service on 7 journals, past President of the Social and Affective Neuroscience Society, Council of the American Psychosomatic Society, Secretary of the Organization for Human Brain Mapping, Program Committee for American Psychological Society, International Association for the Study of Pain (IASP).

Academic positions

2019 - present	Diana L. Taylor Distinguished Professor of Psychological and Brain Sciences at Dartmouth College
2014 - 2019	Professor of Psychology and Neuroscience and the Institute for Cognitive Science, University of Colorado, Boulder
2010 – 2014	Associate Professor of Psychology and Neuroscience and the Institute for Cognitive Science, University of Colorado, Boulder
2009	Associate Professor of Psychology, Columbia University
2004 – 2009	Assistant Professor of Psychology, Columbia University

Education

2003	Ph. D., Psychology, University of Michigan Certificate program in Cognitive Science & Cognitive Neuroscience
1998-2003	University of Michigan, Ann Arbor Ph.D. Program in Psychology, Cognition and Perception Area
1992-1996	Principia College, Elsah, IL B. A. in Music, *Summa Cum Laude*

Selected Awards, Fellowships, and Service

1992 – 1996	Principia College Trustee Scholarship, full tuition
1992 – 1996	National Merit Scholarship
1998 – 2000	Regents' Fellowship, University of Michigan
1999	National Defense Science and Engineering Graduate Fellowship, Honorable Mention

1999 – 2002	National Science Foundation Graduate Research Fellowship
2001	Patricia Gurin Distinguished Lecture Award, U of Michigan
2009	“Rising Star” award from the American Psychological Society
2010	Paul D. MacLean Award for Outstanding Neuroscience Research in Psychosomatic Medicine, American Psychosomatic Society
2012	Faculty Research Award, University of Colorado, Boulder
2012-2015	Leadership Council, American Psychosomatic Society
2012-2013	President, Social and Affective Neuroscience Society
2013	Cognitive Neuroscience Society Young Investigator Award
2014	Thomson Reuters ‘World’s Most Influential Scientific Minds’
2014 – 2017	Faculty of 1,000 member
2015	Herbert Spiegel Award, Columbia University
2016-2018	Secretary, Leadership Council, Organization for Human Brain Mapping
2016-2017	Federal Pain Research Strategy working group
2016-2017	International Association for the Study of Pain Presidential Task Force on pain biomarkers
2017	NIH Opioids in Pain: Biomarker Working Group
2018	*Highly Cited Researchers* from Clarivate Analytics/Web of Science
2018	Fellow of the Association for Psychological Science
2019	Faculty of 1,000 member, Psychology

Editorial service

Current:
Editorial Board, PLoS Biology

Editorial Board, Affective Science
Consulting Editor, Social Cognitive and Affective Neuroscience (SCAN journal)
Editorial Board, Mood and Anxiety Disorders
Program Committee, International Association for the Study of Pain, 2020 meeting

Past:
Associate Editor, Emotion, January 2015 - 2018
Associate Editor, Neuroimage, Fall 2009 – Fall 2010
Associate Editor, Frontiers in Human Neuroscience
Consulting Editor, Cognitive Affective, and Behavioral Neuroscience (approx. 2009-2013)
Guest editor of Named Series on placebo effects, Brain, Behavior, and Immunity
Program Committee, Reinforcement Learning and Decision Making Meeting, 2015
Program Committee, American Psychosomatic Society, 2015

Grants and funding

Current support

NIMH 3R01MH076136 (Wager) *The neural bases of placebo effects and their relation to regulatory processes*, 2013-2022.

NIDA R01 DA046064 (Wager, Friedman) *Brain and Genetic Predictors of Individual Differences in Pain and Placebo Analgesia.* 4/15/2018 – 3/14/2022.

NIDA R01DA035484 (Wager) *fMRI-based Biomarkers for Multiple Components of Pain,* 2013-2019.

NIMH R01 MH116026 (Chang)
Dynamic Brain Representations Underlying Emotional Experience. 3/1/2018 – 2/28/2022.

NIDA R01DA043690-01(Kober). *Meta-Analysis and Machine Learning: Towards Neuromarkers of Craving and Relapse*.

NIBIB R01EB026549 (Lindquist)
Individualized Spatial Topology in Functional Neuroimaging. 08/01/2018-07/31/2023.

NIH U01 500470-78051 (Feldman-Barrett) *Fundamental Subcortical Mechanisms of Affective Processing,* 4/1/16 – 3/31/20

NIMH R01MH112560 (Zaki) *Computational and Brain Predictors of Emotion Cue Integration,* 5/19/17 - 2/28/22. 2019 on: Changed to Consultant with move to Dartmouth.

R43DA046960 (Oakley) *Development of a scalable, portable fMRI-validated device platform for acute musculoskeletal pain.* 06/15/2018 - 12/15/2019 (Wager subcontract to SBIR).

Completed support

Approximately in reverse chronological order

NIH RMH110765A (LeBougeois) *Sleep and the Neural Basis of Emotion Processing in Childhood,* 7/1/2016-6/30/2018.

16-0544 (P.I.) *Open-label Placebo Treatment for Back Pain.* Foundation for the Science of Therapeutic Encounter. 2016-2018.

NIH/NIMH 5 R01 MH063207-12 (Friedman) *Neural Substrates of Executive Function: An fMRI Twin Study,* 02/15/14-01/31/19

NIH Columbia 124377 (Neria) *Neural Signature of Fear Overgeneralization in Trauma Exposed Adults,* 7/1/2015-5/31/2019

DoD/Navy ONR BAA-14-0001 (O'Reilly) *Biodirectional Vision,* 2014-2018

NIH/HHS R01 NS075066-01A1 (Johnson) *Bayesian Spatial Point Process Modeling of Neuroimage Data,* 2012 – 2017 (subcontract $9,598)

NIH/NIMH R01 UTA 14-000920 (Yarkoni) *Large-scale Automated Synthesis of Functional Neuroimaging Data,* 2012 – 2016 (subcontract $90,660)

NIH 3RO1 DA 0353484 (P.I.) *Supplement to fMRI-based Biomarkers for Multiple Components of Pain,* 9/1/2014-8/31/2014 ($160,000)

NIH/NIDA R01DA027794-01 (P.I.) *Learning To Avoid Pain: Computational Mechanisms And Application To Methamphetamine Abuse,* 2009-2015 ($1,254,000 total direct costs)

W5J9CQ-11-C-0046 Army Research Lab (L. Barrett, P.I.) *Meta-analysis of Neuroimaging of Emotion***.** 2011 – 2014. $47,884 (Year 1 subcontract directs only)

National Science Foundation OCI 1131801 (R. Poldrack, P.I.) *CRCNS Data Sharing: An Open Data Repository for Cognitive Neuroscience: The OpenfMRI Project.* 2011 – 2014
$26,000 (Year 1 subcontract directs only)

Michael J. Fox Foundation (P.I.) *Investigating Placebo Effects In Parkinson's Disease With Functional MRI, 2009-2013 (*$261,000 total direct costs)

NIMH RO1MH072833 (Y. Neria, P.I.) *Brain Circuitry and Psychosocial Predictors of PTSD.* 3/01/09-2/28/13. ($2,494,117 total).

1RC1DA028608 (P.I.) *Neuroimaging-based biomarkers for two components of pain*.
2009-2012 ($622,000 direct)

NSF 0631637 (P.I.) *Multilevel mediation techniques for fMRI, 2006-2008.* Principal Investigator ($400,000 direct costs).

NIH/NIMH R21MH082308-01 (P.I.) *Brain pathways in social evaluative threat, 2009-2012* ($275,000 direct costs)

Templeton Foundation (P.I.) *Brain pathways underlying compassionate action*. Oct 2010-Dec 2012 ($200,000 total).

NIH RC1 Smith, E. and Jareskog, F. (Co-PIs). *Using fMRI to Measure Negative Symptoms in Schizophrenia.* 2009-2011($600,000 total direct costs)

Nathaniel Wharton Foundation (P.I.) *Neuroimaging-Based Markers Of Pain After Stroke, 2009-2010 ($38,000 direct)*

NIMH R01MH076137 (K. Ochsner P.I.) *The neural basis of the cognitive control of emotion***,** 2006-2010**.** Co-Investigator ($102,110 direct costs, year 1)

R24 MH075999-01 (I. Liberzon, P. I.) *Cognition-Emotion-HPA Interaction: Translational Network, 2007-2009.* Co-Investigator ($832,819 direct costs).

Gatsby Initiative in Brain Circuitry Pilot Project Grant (P.I.) *Neuroinformatics of expectancy in pain, 2006-2007.* Principal Investigator ($47,500 direct costs).

MITRE Corporation (E.E. Smith, P.I.) *Automaticity, cognitive control, and the detection of deception*. Co-Investigator ($400,000 direct costs).

P20 RR020645-01 (Rose, P.I.) *Integrative biology of the brain, inflammation, and asthma***.**

Consulting collaborator ($1,228,703 direct costs).

Mind, Brain, Body, Brain and Health Research Group, *Comparing placebo and opiate effects on pain processing with fMRI*, 2005-2006. Principal Investigator ($31,000 direct costs).

Mind, Brain, Body, Brain and Health Research Group, *Human Mu-opiate Activity in Thermal Pain and Placebo as Measured by [11-C]carfentinil PET*, 2003-2004. Edward E. Smith, P.I., Co-Investigator ($54,000 direct costs).

Mind, Brain, Body, Brain and Health Research Group, *Neural Correlates of Expectancy and Pain in the Placebo Response*, 2002. Edward E. Smith, P.I., Co-Investigator ($28,000 direct costs).

University of Michigan Internal Research Grant, *The Neural Bases of Reward and Working Memory*, 2000 – 2002. Stephan F. Taylor, P.I., Co-Investigator ($9,000 direct costs).

Patents

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1. US 2016/0054409 fMRI-based Neurologic Signature of Physical Pain (PCT/US14/33538)
2. US 2018/0055407 Neurophysiological signatures for fibromyalgia (CU4199B-PPA1)

Research Publications

(210 peer-reviewed, 240 total)

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1. Miyake, A., Friedman, N.P., Emerson, M.J., Witzki, A.H., Howerter, A., & Wager, T.D. (2000). The unity and diversity of executive functions and their contributions to complex "Frontal Lobe" tasks: a latent variable analysis. *Cognitive Psychology*. 41(1):49-100. PMID: 10945922

2. Phan, K.L., Wager, T.D., Taylor, S.F., & Liberzon, I. (2002). Functional neuroanatomy of emotion: a meta-analysis of emotion activation studies in PET and fMRI. *Neuroimage*, 16, 331-348. PMID: 12030820

3. Sylvester, C.-Y.C., Wager, T.D., Lacey, S.C., Jonides, J., Smith, E.E., Hernandez, L., & Nichols, T.E. (2003). Switching attention and resolving interference: fMRI measures of executive functions. *Neuropsychologia*. 41(3):357-370. PMID: 12457760

4. Wager, T.D. & Nichols, T.E. (2003) Optimization of experimental design in fMRI: a general framework using a genetic algorithm. *Neuroimage*, 18(2):293-309.

5. Wager, T.D., Phan, K.L., Liberzon, I., & Taylor, S.F. (2003). Valence, gender, and lateralization of functional brain anatomy in emotion: A meta-analysis of findings from neuroimaging. *Neuroimage*. 19(3):513-31. PMID: 12880784

6. Wager, T.D. & Smith, E.E. (2003). Neuroimaging studies of working memory: A meta-analysis. *Cognitive, Affective, and Behavioral Neuroscience*. 3(4):255-74. PMID: 15040547

7. Phan, K.L., Wager, T.D., Taylor, S.F., & Liberzon, I. (2004) Functional neuroimaging studies of human emotions. *CNS Spectrums*. 9(4):258-66. PMID: 15048050

8. Wager, T.D., Rilling, J., Smith, E.E., Sokolik, A., Casey, K., Kosslyn, S.M., Davidson, R.J., Rose, R.M., & Cohen, J.D. (2004). Placebo-induced changes in fMRI in the anticipation and experience of pain. *Science*. 303(5661):1162-7. PMID: 14976306

9. Taylor, S.F., Welsh, R.C., Wager, T.D., Phan, K.L., Fitzgerald, K.D., & Gehring, W.J. (2004). A functional neuroimaging study of motivation and executive function. *Neuroimage*, 21(3):1045-54. PMID: 15006672

10. Wager, T.D., Reading, S., & Jonides, J. (2004). Neuroimaging studies of shifting attention: a meta-analysis. *Neuroimage*, 22(4):1679-93. PMID: 15275924

11. Wager, T.D. (2004). Painful Deception - Response. *Science*, 304, 1110-1111.

12. Keller, M. C., Fredrickson, B. L., Ybarra, O., Cote, S., Johnson, K., Mikels, J., and Wager, T.D.(2005). A warm heart and a clear head: The contingent effects of weather on human mood and cognition. *Psychological Science,* 16(9): 724-731. PMID: 16137259

13. Nichols, T., Brett, M., Andersson, J., Wager, T.D., & Poline, J. B. (2005). Valid conjunction inference with the minimum statistic. *Neuroimage, 25*(3), 653-660. PMID: 15808966

14. Wager, T.D., Keller, M. C., Lacey, S. C., & Jonides, J. (2005). Increased sensitivity in neuroimaging analyses using robust regression. *Neuroimage, 26*(1):99-113. PMID: 15862210

15. Wager, T. D., Vazquez, A., Hernandez, L., & Noll, D. C. (2005). Accounting for nonlinear BOLD effects in fMRI: parameter estimates and a model for prediction in rapid event-related studies. *Neuroimage, 25*(1):206-18. PMID: 15734356

16. Wager, T.D., Sylvester, C. Y., Lacey, S. C., Nee, D. E., Franklin, M., & Jonides, J. (2005). Common and unique components of response inhibition revealed by fMRI. *Neuroimage, 27*(2):323-40. PMID: 16019232

17. Wager, T.D. (2005). The neural bases of placebo effects in anticipation and pain. *Seminars in Pain Medicine, 3*(1), 22-30. doi:10.1016/j.spmd.2005.02.003

18. Wager, T.D., Jonides, J., Smith, E.E., & Nichols, T.E. (2005). Towards a taxonomy of attention-shifting: individual differences in fMRI during multiple shift types. *Cognitive, Affective, and Behavioral Neuroscience, 5*(2):127-43. PMID: 16180620

19. Wager, T.D. (2005). The neural bases of placebo effects in pain. *Current Directions in Psychological Science,* 14(4), 175-179.doi: 10.1111/j.0963-7214.2005.00359.x

20. Benedetti, F., Mayberg, H.S., Wager,T.D., Stohler, C.S., Zubieta, J.K. (2005). Neurobiological Mechanisms of the Placebo Effect. *Journal of Neuroscience,* 25(45), 10390-10402. PMID: 16280578

21. Wager, T. D., & Ochsner, K. N. (2005). Sex differences in the emotional brain. *Neuroreport*, *16*(2), 85-87.PMID: 15671851

22. Wager, T. D., & Nitschke, J. B. (2005). Placebo effects in the brain: linking mental and physiological processes. *Brain, behavior, and Immunity*, *19*(4), 281-282. PMID: 15908179

23. Wager, T. D. (2005). Expectations and anxiety as mediators of placebo effects in pain. *Pain*, *115*(3), 225-226. PMID: 15911149

24. Wager, T. D. (2006). Do we need to study the brain to understand the mind. *APS Observer*, *19*(9), 25-27.

25. Wager, T.D., Jonides, J., Smith, E.E. (2006). Individual differences in multiple types of shifting attention. *Memory & Cognition*, 34(8), 1730-43. PMID: 17489298

26. Feldmann-Barrett, L. & Wager, T.D. (2006). The structure of emotion: Evidence from neuroimaging studies. *Current Directions in Psychological Science*, 15(2), 79-83. doi:10.1111/j.0963-7214.2006.00411.x

27. Wager, T. D., Matre, D., Casey, K.L. (2006). Placebo effects in laser-evoked pain potentials. *Brain, Behavior, and Immunity*, 20(3):219-30. PMID: 16571371

28. Summerfield, C., Greene, M., Wager, T.D., Egner, T., Hirsch, J., & Mangels, J. (2006). Neocortical connectivity during episodic memory formation. *PLoS Biol*, 4(5), e128. PMID: 16605307

29. Lindquist, M.A., Waugh, C., & Wager, T.D. (2007). Modeling state-related fMRI activity using change-point theory. *NeuroImage, 35*(3): 1125-1141. PMID: 17360198

30. Wager, T.D., Lindquist, M., & Kaplan, L. (2007). Meta-analysis of functional neuroimaging data: current and future directions. *Social, Cognitive, and Affective Neuroscience, 2*(2):150-158. PMID: 18985131

31. Wager, T.D., Scott, D.J., & Zubieta, J.K. (2007). Placebo effects on human mu-opioid activity during pain. *Proceedings of the National Academy of Sciences, 104*(26):11056-61. PMID: 17578917

32. Nee, D. E., Wager, T. D., & Jonides, J. (2007). Interference resolution: insights from a meta-analysis of neuroimaging tasks. *Cognitive, Affective, and Behavioral Neuroscience. 7*(1):1-17. PMID: 17598730

33. Lindquist, M. and Wager, T.D. (2007). Validity and power in hemodynamic response modeling: a comparison study and a new approach. *Human Brain Mapping.* 28(8):764-84. NIHMSID: NIHMS357020. PMID: 17094118

34. Stern, E. R., Wager, T.D., Egner, T., Hirsch, J., & Mangels, J. (2007). Preparatory neural activity predicts performance on a conflict task. *Brain Research,* 1176: 92-102. PMID: 17889835

35. Zaki, J., Ochsner, K. N., Hanelin, J., Wager, T.D., & Mackey, S. C. (2007). Different circuits for different pain: patterns of functional connectivity reveal distinct networks for processing pain in self and others. *Social Neuroscience*. 2(3-4) 276-91. PMID: 18633819

36. Etkin, A., & Wager, T.D. (2007). Functional neuroimaging of anxiety: a meta-analysis of emotional processing in PTSD, social anxiety disorder, and specific phobia. *American Journal of Psychiatry* 164(10): 1476-88. NIHMSID: NIHMS357021 PMID: 17898336

37. Lindquist, M., & Wager, T.D. (2008). Spatial Smoothing in fMRI using Prolate Spheroidal Wave Functions. *Human Brain Mapping*, 29(11), 1276-1287. PMID: 17979120

38. Kober, H., Barrett, L. F., Joseph, J., Bliss-Moreau, E., Lindquist, K., & Wager, T.D. (2008). Functional grouping and cortical-subcortical interactions in emotion: A meta-analysis of neuroimaging studies. *Neuroimage.* 42(2):998-1031. PMID: 18579414

39. Wager, T.D., Davidson, M., Hughes, B., Lindquist, M. L., & Ochsner, K. N. (2008). Prefrontal-subcortical pathways mediating successful emotion regulation. *Neuron, 59*(6):1037-1050. PMID: 18817740

40. Purkayastha, S., Wager, T.D., & Nichols, T. E. (2008). Inferring individual differences in fMRI: Finding brain regions with significant within subject correlation. *Statistica Sinica, 18*, 1483-1500.

41. Loh, J. M., Lindquist, M.A., Wager, T.D. (2008). Residual Analysis for Detecting Mis-modeling in fMRI. *Statistica Sinica, 18*, 1421-1448.

42. Waugh, C. E., Wager, T.D., Fredrickson, B. L., Noll, D. C., & Taylor, S. F. (2008). The neural correlates of trait resilience when anticipating and recovering from threat. Social cognitive and affective neuroscience, 3(4), 322-332. PMID: 19015078

43. Grinband, J., Wager, T.D., Lindquist, M., Ferrera, V. P., & Hirsch, J. (2008). Detection of time-varying signals in event-related fMRI designs. *NeuroImage, 43*(3), 509-520. PMID: 18775784

44. Lindquist, M. A., Meng Loh, J., Atlas, L., & Wager, T.D. (2009). Modeling the hemodynamic response function in fMRI: Efficiency, bias and mis-modeling. *NeuroImage, 45*(1), S187-S198. NIHMSID: NIHMS355898 PMCID: PMC3318970

45. Salimi-Khorshidi, G., Smith, S., Keltner, J., Wager, T.D., & Nichols, T. E. (2009). Meta-analysis of neuroimaging data: A comparison of image-based and coordinate-based pooling of studies. *NeuroImage, 45*(3), 810-823. PMID: 19166944

46. Wager, T.D., Lindquist, M. A., Nichols, T. E., Kober, H., & Van Snellenberg, J. (2009). Evaluating the consistency and specificity of neuroimaging data using meta-analysis. *NeuroImage, 45*(1), S210-S221. NIHMSID: NIHMS355887 PMCID: PMC3318962

47. Lane, R. D., Waldstein, S. R., Critchley, H. D., Derbyshire, S. W., Drossman, D. A., Wager, T.D., et al. (2009). The rebirth of neuroscience in psychosomatic medicine, Part II: clinical applications and implications for research. *Psychosomatic medicine, 71*(2), 135-151. PMID: 19196806

48. Wager, T.D., Waugh, C. E., Lindquist, M., Noll, D. C., Fredrickson, B. L., & Taylor, S. F. (2009). Brain mediators of cardiovascular responses to social threat, Part I: Reciprocal dorsal and ventral sub-regions of the medial prefrontal cortex and heart-rate reactivity. Neuroimage, 47(3):821-835. PMCID: PMC3275821

49. Wager, T.D., van Ast, V. A., Hughes, B. L., Davidson, M. L., Lindquist, M. A., & Ochsner, K. N. (2009). Brain mediators of cardiovascular responses to social threat, Part II:

Prefrontal-subcortical pathways and relationship with anxiety. *Neuroimage*, 47(3):836-851. PMID: 19465135

50. Lane, R. D., & Wager, T. D. (2009). Introduction to a special issue of neuroimage on brain-body medicine. *Neuroimage* 47(3):1135-40 PMID: 19524045

51. Lane, R. D., & Wager, T. D. (2009). The New Field of Brain-Body Medicine: What Have We Learned and Where Are We Headed? *Neuroimage,* 47(3):781-4 PMID: 1952352

52. Lieberman, M. D., Berkman, E. T., & Wager, T. D. (2009). Correlations in Social Neuroscience Aren't Voodoo: Commentary on Vul et al. *Perspectives on Psychological Science. 4*(3), 299-307. PMID: 19524045

53. Robinson, L. F., Wager, T. D., & Lindquist, M. A. (2010). Change point estimation in multi-subject fMRI studies. *Neuroimage*, 49, 1581-1592. PMID: 19733671

54. Kober, H., & Wager, T. D. (2010). Meta-analyses of neuroimaging data. *Wiley Interdisciplinary Reviews: Cognitive Science*. 1(2): 293-300. PMID: 24052810

55. Rutherford, B. R., Wager, T. D., & Roose, S. P. (2010). Expectancy and the Treatment of Depression: A Review of Experimental Methodology and Effects on Patient Outcome. Current Psychiatry Reviews, 6(1), 1-10. PMCID: PMC4011659

56. Buhle, J., & Wager, T. D. (2010). Performance-dependent inhibition of pain by an executive working memory task. *Pain*, 149(1), 19-26. NIHMS157612. PMID: 20129735

57. Leotti, L. A., & Wager, T. D. (2010). Motivational influences on response inhibition measures. *J Exp Psychol Hum Percept Perform*, 36(2), 430-447. PMID: 20364928

58. Atlas, L. Y., Bolger, N., Lindquist, M. A., & Wager, T. D. (2010). Brain mediators of predictive cue effects on perceived pain. *J Neurosci, 30*(39), 12964-12977. PMCID: PMC2966558.

59. Colloca, L., Petrovic, P., Wager, T. D., Ingvar, M., & Benedetti, F. (2010). How the number of learning trials affects placebo and nocebo responses. *Pain,* 151(2), 430-439. PMCID: PMC2955814.

60. Yarkoni, T., Poldrack, R. A., Van Essen, D. C., & Wager, T. D. (2010). Cognitive neuroscience 2.0: building a cumulative science of human brain function. *Trends Cogn Sci, 14*(11), 489-496. PMCID: PMC2963679

61. Wager, T. D., & Roy, M. (2010). Separate mechanisms for placebo and opiate analgesia? Pain 150(1):8-9 PMID: 20347523

62. Buhle, J., & Wager, T. D. (2010). Does meditation training lead to enduring changes in the anticipation and experience of pain? Pain 150(3)382-3 PMID: 20546996

63. Meissner, K., Bingel, U., Colloca, L., Wager, T. D., Watson, A., Flaten, M. (2011) The placebo effect: Advances from different methodological approaches. *J. Neurosci*. 31(45):16117–16124. PMCID: PMC3242469.

64. Wager, T.D., Atlas, L.Y., Leotti, L.A., & Rilling, J.K. (2011). Predicting Individual Differences in Placebo Analgesia: Contributions of Brain Activity during Anticipation and Pain Experience. *J Neurosci*, 31(2), 439-452. NIHMSID: NIHMS355850 PMID: 21228154

65. Grinband, J., Savitskaya, J., Wager, T.D., Teichert, T., Ferrera, V.P., and Hirsch, J., (2011) The dorsal medial frontal cortex is sensitive to time on task, not response conflict or error likelihood. *Neuroimage*. 57(2): p. 303-11. PMCID: PMC3114292.

66. Miele, D. B., Wager, T. D., Mitchell, J. P., Metcalfe, J. (2011) Dissociating Neural Correlates of Action Monitoring and Metacognition of Agency. *Journal of Cognitive Neuroscience*. 23(11): 3620-3636. PMID: 21563889

67. Grinband, J., Savitskaya, J., Wager, T.D., Teichert, T., Ferrera, V.P., and Hirsch, J., (2011) Conflict, error likelihood, and RT: Response to Brown & Yeung et al. *Neuroimage*. 57(2): p. 320-2. PMID: 21554960

68. Kross, E., Berman, M. G., Mischel, W., Smith, E. E., & Wager, T. D. (2011). Social rejection shares somatosensory representations with physical pain. *Proceedings of the National Academy of Sciences*, 108(15), 6270-6275. PMCID: PMC3076808.

69. Kross, E., Berman, M. G., Mischel, W., Smith, E. E., & Wager, T. D. (2011). Reply to Iannetti and Mouraux: What functional MRI responses to physical pain tell us about why social rejection “hurts”. *Proceedings of the National Academy of Sciences*, *108*(30), E344-E344.

70. Kang, J., Johnson, T. D., Nichols, T. E., Wager, T. D. (2011). Meta Analysis of Functional Neuroimaging Data via Bayesian Spatial Point Processes. *Journal of the American Statistical Association*. 106(493): 124-134. PMCID: PMC3119536

71. Yarkoni, T., Poldrack, R.A., Nichols, T.E., Van Essen, D.C., and Wager, T.D. (2011), Large-scale automated synthesis of human functional neuroimaging data. *Nature Methods*. 8: 665-670. PMCID: PMC3146590

72. Lindquist, K.A., Wager, T.D., Kober, H., Bliss-Moreau, E., & Feldman Barrett, L. (2012). The brain basis of emotion: A meta-analytic review. *Behavioral and Brain Sciences*. 35(3): p. 121-143. PMID: 22617651

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Book Chapters and Commentaries in press

Presentations

Selected Invited and Conference Presentations (through 2017)

1. Wager, T. D. and Nichols, T. Optimization of Experimental Design in fMRI: A General Framework Using a Genetic Algorithm. Paper presented at the Annual Meeting of the International Society for Magnetic Resonance in Medicine, May 2002.

2. Wager, T. D. and Nichols, T. Optimization of Experimental Design in fMRI: A General Framework Using a Genetic Algorithm. Paper presented at the Annual Meeting of the Organization for Human Brain Mapping, May 2002.

3. Wager, T. D. and Nichols, T. Optimization of Experimental Design in fMRI: A General Framework Using a Genetic Algorithm. Paper presented at the Annual Meeting of the International Society for Magnetic Resonance in Medicine, May 2002.
4. T. D. Wager, E. E. Smith, J. Jonides. Tracking relevant information in the brain: An fMRI study of multiple subtypes of attention switching. Paper presented at the Annual Meeting of the Cognitive Neuroscience Society, March 2003.

5. T.D. Wager, E. E. Smith, J. Jonides. Towards a taxonomy of attention switching: Individual differences in attention switching in fMRI. Paper presented at the Annual Meeting of the Society for Neuroscience, 2003.

6. Wager, T.D. & Summerfield, C. Functional connectivity and latency in cortical pain processing: fMRI evidence for separable networks. Paper presented at the Annual Meeting of the Society for Neuroscience, 2004.

7. Wager, T. D. Medial prefrontal activations in social and emotional phenomena: Interpretation and prediction. Paper presented at the Annual Meeting of the Society for Personality and Social Psychology, 2005.

8. Wager, T. D. The neural basis of the placebo analgesic response. Symposium presentation at the 11th World Congress on Pain, International Association for the Study Symposium presentation

9. Wager, T. D. The neural bases of the placebo response in fMRI. Symposium presentation at the Annual Meeting of the American Association of Pharmaceutical Scientists, 2005.

10. Wager, T. D. The neural bases of the placebo response in fMRI. Paper presented at the Annual Meeting of the American Psychological Society, 2005.

11. Wager, T. D. The neural bases of the placebo response in fMRI. Symposium presentation at the Annual Meeting of the Society for Neuroscience, 2005.

12. Wager, T. D. Expectation and the cognitive regulation of affect. (Symposium chair), Annual Meeting of the American Psychological Society, 2006.

13. Wager, T. D. The neural bases of the placebo response in fMRI. (Workshop co-chair), Annual Meeting of the Organization for Human Brain Mapping, 2006.

14. Wager, T. D. Basic fMRI Design. Educational workshop presentation. Annual Meeting of the Organization for Human Brain Mapping, 2006.

15. Barrett, L. F. and Wager, T. (2007, May). The neural reference space for emotion: New meta-analytic insights. Invited paper to be delivered at Conference on the Neural Systems of Social Behavior, Austin TX.

16. Wager, T.D. Expectancy modulation of pain affect: Electrophysiological evidence and opioid mechanisms. (Symposium chair). Symposium presentation at the Annual Meeting of the Cognitive Neuroscience Society, 2006.

17. Wager, T. D. Basic fMRI Design. (Acting symposium chair). Educational workshop presentation. Annual Meeting of the Organization for Human Brain Mapping, 2007.

18. Wager, T.D. Roundtable leader, “Placebo Effects.” American Psychosomatic Society Annual Meeting, 2007.

19. Wager, T.D. The roles of medial prefrontal cortex in emotion: Neuroimaging evidence for functional subdivisions and cortical-subcortical pathways. Annual Meeting of the Society of Biological Psychiatry, 2008.

20. Wager, T.D. Neuroimaging of autonomic responses to social evaluative threat: Localizing cortical-subcortical-peripheral pathways. Annual Meeting of the Psychoneuroimmunology Research Society, 2008.

21. Wager, T.D. Brain mapping and predictors of successful working memory: From meta-analysis to single-trial analysis. Satellite Symposium on Working Memory at the Annual Meeting of the Organization for Human Brain Mapping, 2008.

22. Wager, T.D. Meta-analysis of neuroimaging data: What, Why, and How. Advanced fMRI Educational Course at the Annual Meeting of the Organization for Human Brain Mapping, 2008 (also Chair for the Advanced fMRI Course).

23. Wager, T.D. What neuroimaging can teach us about emotion (and what it can't). Society for Social and Personality Psychology, February, 2009.

24. Wager, T.D. Brain-body pathways in social evaluative threat. Society for Social and Personality Psychology, February, 2009.

25. Wager, T.D., Leotti, L., Atlas, L., Anticipatory brain activity predicts placebo analgesia and is mediated by limbic responses during pain. Cognitive Neuroscience Society Annual Meeting, March, 2009.

26. Wager, T.D., Mediation, Moderation, and Functional Pathway Mapping using fMRI. Organization for Human Brain Mapping 15th Annual Meeting, San Francisco, California, June, 2009.

27. Wager. T.D., Emotion: A view from neuroimaging. International Society for Research on Emotion, Leuven, Belgium, August, 2009.

28. Wager. T.D., Optimizing sensitivity and inference for translational research. CENTRICS meeting, October, 2009.

29. Wager, T.D. Predicting Subjective Pain from Patterns of fMRI Activity. NIH/NIDA sponsored meeting: Pain Measurement Scales: Current Issues and Future Directions. Bethesda, MD, January, 2010.

30. Wager, T.D. Brain mechanisms of placebo effects in pain. NIH/multiple institute sponsored meeting: The Placebo Effect: Opportunities and Challenges. Bethesda, MD, January 28-29, 2010.

31. American Psychosomatic Society Paul D. MacLean award address. Portland, Oregon, March, 2010.

32. Wager, T.D., Three uses for meta-analysis in cognitive neuroscience. Cognitive Neuroscience Society symposium, April 2010, Montreal, Canada.
33. Wager, T.D., The Neural Bases of Placebo Effects. Meeting of the American Academy of Psychoanalysis and Dynamic Psychiatry, New Orleans, May, 2010.

34. Wager, T.D., Social evaluative threat effects on working memory. American Psychological Society symposium, Boston, May 2010.

35. Wager, T.D,. Brain mechanisms of compassionate action. Positive Neuroscience Research Symposium, Philadelphia, June 2010.

36. Wager, T.D. and Kriegeskorte, N. Advanced fMRI educational course, with a special emphasis on pattern-based analysis, Barcelona, Spain, June, 2010.

37. Atlas, L.Y., Lindquist, M., and Wager, T. D. Open vs hidden opioid administration: Belief modulates remifentanil effects on pain-evoked responses. Organization for Human Brain Mapping Oral Session, Barcelona, Spain, June 2010.

38. Wager, T.D. Predicting pain and pain modulation from fMRI activity. Workshop - Brain "decoding": Classifying and predicting mental states from brain activity, Columbia University, September, 2010.

39. Wager, T.D. The origins of pain in the central nervous system: Insights from manipulations of expectation and affective value. Berlin Brain Days, Berlin, Germany, November 2010.

40. Atlas, L.Y., Lindquist, M., and Wager, T. D. Expectancy effects and remifentanil administration: Dissociable contributions of opioid and placebo analgesia. Seeing and Feeling Nanosymposium, Society for Neuroscience Annual Meeting, November 2010.

41. Buhle, J., Kober, H., Ochsner, K.N., Mende-Siedlecki, P., Weber, J., Hughes, B., Kross, E., Wager, T.D. Both physical pain and viewing aversive images activate periaqueductal gray, but with different cortical-brainstem connectivity. Seeing and Feeling Nanosymposium, Society for Neuroscience Annual Meeting, November 2010.

42. Wager, T.D., Brain-body communication in stress and pain: A view from neuroimaging. Cognitive Neuroscience Society Annual Meeting, San Francisco, California, April, 2011.

43. Kross, E., Moser, J.S., Wager, T.D., Zayas, V., Automatic and Volitional Emotion Regulation Processes Across Levels of Analysis. Association for Psychological Science 23rd Annual Convention, Washington, D.C., May, 2011.

44. Wager, T.D., Dissociable effects of expectation and attention on pain. International Society for Behavioral Neuroscience, Verona, Italy, June, 2011.

45. Wager, T.D., Pattern-Based Prediction of Pain and Emotion from fMRI Data. Organization for Human Brain Mapping 17th Annual Meeting, Québec City, Canada, June, 2011.

46. Wager, T.D., Linking experimental manipulations, brain responses, and behavior with multilevel mediation analysis. Annual Conference on Neuroeconomics: Decision Making and the Brain, Evanston, Illinois, September/October, 2011.

47. Wager, T.D., The neural bases of placebo effects in pain. American Institute of Oral Biology, Palm Springs, California, October, 2011.

48. Wager, T.D., Shared and divergent representations of physical and emotional pain in the central nervous system. American Institute of Oral Biology, Palm Springs, California, October, 2011.

49. Wager, T.D., From expectations to experience: brain mechanisms and targets of placebo analgesia. Society for Neuroscience, Washington, D.C., November, 2011.

50. Wager, T.D., Modulation de l'effet antalgique par l'effet placebo. (Placebo modulation of analgesia.) 11e Congrès national de la SFETD, Paris, France, November, 2011.

51. Wager, T.D., Expectations and the regulation of affect. Determinants of Executive Function and Dysfunction conference, University of Colorado at Boulder, January, 2012.

52. Wager, T.D., Brain Pathways Underlying Compassionate Action. International Symposia for Contemplative Studies, April 2012.

53. Wager, T.D., Thoughts as things: Cortical-subcortical systems connecting the mind and body. National Cancer Institute, Bethesda, MD, April 2012.

54. Wager, T.D., Thoughts as things: Cortical-subcortical systems connecting the mind and body. Symposium at the Social and Affective Neuroscience annual meeting, May 2012.

55. Wager, T.D., Expectations and health-related effects on brain and peripheral physiology. Symposium at the American Psychological Society annual meeting, May 2012.

56. Wager, T.D., Thoughts as things: Cortical-subcortical systems connecting the mind and body. Symposium at the Academy of Behavioral Medicine Research annual meeting, June 2012.

57. Thoughts as things: Cortical-subcortical systems connecting the mind and body. Social and Affective Neuroscience Satellite Meeting, Beijing, 2012.

58. Wager, T.D., On pathways and patterns: Using multivariate linear models to predict behavior. Advanced fMRI Course, Organization for Human Brain Mapping annual meeting, Beijing, 2012.

59. Wager, T.D., Thoughts as things: Cortical-subcortical systems connecting the mind and body. Workshop at the Organization for Human Brain Mapping annual meeting, Beijing, 2012.

60. Wager, T.D., Found in translation: How machine learning can revolutionize human neuroscience. Keynote at the Pattern Recognition in Neuroimaging annual meeting, London, UK, 2012.

61. Wager, T.D., Towards an understanding of the Brain mechanisms underlying pain and emotional distress. Symposium at the International Association for the Study of Pain, Milan, Italy, 2012.

62. Wager, T. D., Invited discussant at Neurobiology of Disease Workshop: Persistent Pain: Too Much Plasticity? Society for Neuroscience Annual Meeting, 2012.

63. Wager, T.D., Differential neural substrates for physical and social pain. American Psychosomatic Society Annual Meeting, Miami, Florida. March, 2013.

64. Wager, T.D., Machine learning and brain-autonomic interactions. Symposium at American Psychosomatic Society Annual Meeting, Miami, Florida. March, 2013.

65. Wager, T.D., Towards a Neuroscience of Human Emotion. Keynote Speaker at Emotional, All Too Emotional Conference, Tel Aviv, Israel. March, 2013.

66. Wager, T.D., Towards a Neuroscience of Human Emotion. Young Investigator Award Speaker at the Cognitive Neuroscience Society Annual Meeting, San Francisco, California. April, 2013.

67. Wager, T.D., Learning from the Past: Using prior neuroimaging literature to constrain predictions of psychological states. Organization for Human Brain Mapping Conference, Seattle. June, 2013.

68. Wager, T.D., Using pattern classification for psychological inference. Organization for Human Brain Mapping Conference, Seattle. June, 2013.

69. Wager, T.D., Studying the Person: Brain Mechanisms of Placebo Effects. Program in Placebo Studies in collaboration with Robert Wood Johnson Foundation, Beth Israel Deaconess Medical Center, Boston, June 2013.

70. Wager, T.D., Neuroimaging and the Human Neuroscience of Brain-Body Interactions. American Psychosomatic Society Annual Meeting, San Francisco, CA, March, 2014.

71. Wager, T.D., The Neuroethics of Pain Diagnostics Using Neuroimaging. Brain Matters! Vancouver: Brain Science and Social Responsibility, Vancouver, BC, March, 2014.

72. Wager, T.D., Towards fMRI-based biomarkers for pain and emotion. American Society of Neuroradiology annual meeting, Montreal, May, 2014

73. Wager, T.D., Towards fMRI-based biomarkers for pain and emotion. The Brain and Mind Institute meeting, London, Ontario, May, 2014.

74. Wager, T.D., Towards fMRI-based biomarkers for pain and emotion. Assessment of International R&D in Neuroimaging, Washington D.C., May, 2014.

75. Wager, T.D., New Technologies to Understand the Brain in Pain. Keystone Symposia--The Brain: Adaptation and Maladaptation in Chronic Pain, Keystone, CO, June, 2014.

76. Wager, T.D., Neuroimaging of pain and distress: The path from blobs to biomarkers to brain representation. Neuroscience Seminar Series, University of Texas at Austin, Austin, TX, March, 2015.

77. Wager, T.D. Pattern Recognition in Affective Neuroscience. Society for Affective Science Second Annual Conference, Oakland, CA, April, 2015.

78. Wager, T.D., Imaging Clinical Pain. Annual Spring Pain Meeting of the American Pain Society, Palm Springs, CA, May, 2015.

79. Wager, T.D., Representations and patterns in translational neuroimaging. 21st annual Meeting of the Organization for Human Brain Mapping, Honolulu, HI, June, 2015.

80. Wager, T.D., Neuroimaging meta-analysis: Pitfalls and emerging solutions. 21st annual Meeting of the Organization for Human Brain Mapping, Honolulu, HI, June, 2015.

81. Wager, T.D., Distinct brain representations underlying pain and negative emotion. 21st annual Meeting of the Organization for Human Brain Mapping, Honolulu, HI, June, 2015.

82. Wager, T.D., & Hassett, A. Resilience: Functional and Neurobiological Influences. American College of Rheumatology Annual Meeting, San Francisco, CA, November, 2015.

83. Wager, T.D. Varieties of Pain. Alpine Brain Imaging Meeting, Champery, Switzerland. January, 2016.

84. Wager, T.D. Neuroimaging of pain and distress: From biomarkers to brain representation. University of California, Santa Barbara Sage Center Lecture Series. Santa Barbara, CA. January, 2016.

85. Wager, T.D. fMRI-based Biomarkers for Pain and Distress. SomaLogic Talk. Boulder, CO. January, 2016

86. Wager, T.D. Placebo effects: A window on the workings of mind-body medicine. Cousins Center Lectures in Psychoneuroimmunology. Los Angeles, CA. February, 2016.

87. Wager, T.D., Neuroimaging of pain and distress: The path from blobs to biomarkers to brain representation. Medical University of South Carolina, Charleston Neuropalooza, Charleston, SC, February, 2016.

88. Wager, T.D., The neurophysiology of placebo effects: A window on the workings of mind-body medicine. 11th Symposium of the BIAL Foundation, Porto, Portugal, March, 2016

89. Wager, T.D., Intervention as Probe of Mechanism: The Science of Behavior Change Approach. Colorado Affective Sciences Laboratories (CASL) Emotion Day. Denver, CO. April, 2016.

90. Wager, T.D., Predictive Modeling and Brain Representations. University of Colorado, Boulder, Applied Math Talk. Boulder, CO. April, 2016.

91. Wager, T.D., Generalizable representations in social and affective neuroscience. Social and Affective Neuroscience Society Annual Meeting, New York, NY, April, 2016.

92. Wager, T.D., New Frontiers in Adaptive Control: From Basic Mechanisms to Novel Therapeutics. Society of Biological Psychiatry (SOBP) 71st Annual Scientific Meeting, Atlanta, GA, May, 2016.

93. Wager, T.D., Avoidance Learning Circuits: Basic Mechanisms and Implications for Neuropsychiatric Disorders. Society of Biological Psychiatry (SOBP) 71st Annual Scientific Meeting, Atlanta, GA, May, 2016.

94. Wager, T.D., Neuroimaging of Pain and Distress: From Biomarkers to Brain Representation. American Psychiatric Association (APA) 169th Annual Meeting, Atlanta, GA, May, 2016.

95. Davis, K.D., Wager, T.D., Pustilnik, A. Legal issues and neuroethics of brain-imaging based "pain-o-meters": friend or foe? Canadian Pain Society 37th Annual Scientific Program, Vancouver, BC, May, 2016.

96. Wager, T.D., The Neuroscience of Expectation. Association for Psychological Science 28th Annual Conference, Chicago, IL, May, 2016

97. Wager, T.D., Neuromarkers for components of pain; implications for drug development. Pain Mechanisms and Therapeutics Conference, Taormina, Sicily, June, 2016.

98. Wager, T.D., Expectations. Attention and Performance meeting. Brussels, Belgium. June, 2016.

99. Wager, T.D., Advanced fMRI techniques. 22nd Annual Meeting of the Organization for Human Brain Mapping, Geneva, Switzerland, June, 2016.

100. Wager, T.D., Power and Meta-Analysis in Neuroimaging Contributing to Reproducible Science. Joint Statistical Meetings, Chicago, IL. July, 2016.

101. Ashar, Y.K. & Wager, T.D., Compassion and compassion meditation: A neuroscience perspective. Colorado Law Talk. Boulder, CO. August, 2016.

102. Wager, T.D., Large-Scale Predictive Modeling: Principles and Examples from Affective Neuroscience. Bernstein Conference, Berlin, Germany, September, 2016.

103. Wager, T.D., Large-Scale Predictive Modeling: Principles and Examples from Affective Neuroscience. Bharat Biswal Resting State Conference, Vienna, Austria, Sept., 2016.

104. Wager, T.D., Multivariate Predictive Mapping of Pain: Theory, Practice, and Application to Cognitive Modulation. International Association for the Study of Pain 16th World Congress on Pain, Yokohama, Japan, September 2016.

105. Wager, T.D. A neurobehavioral model of pain avoidance system. American Psychosomatic Society mid-year meeting. New York, NY, October, 2016.

106. Wager, T.D. Federal Pain Research Strategy's Transition from Acute to Chronic Pain workgroup. Washington, DC. October, 2016.

107. Wager, T.D., Seeing and Feeling as Conceptual Acts. Rocky Mountain College of Art and Design Senses Series. Denver, CO. October, 2016.

108. Wager, T.D. CIRCUIT: Mechanisms of Relapse. National Institute on Drug Abuse Mini-convention in conjunction with Society for Neuroscience Annual Meeting. San Diego, CA. November, 2016.

109. Wager, T.D. Multidisciplinary non-pharmacological approaches to chronic low back pain. American Public Health Association meeting. Denver, CO. October, 2016.

110. Wager, T.D. Neuroimaging of pain and distress: From biomarkers to brain representation. SFB Annual International Symposium. Heidelberg, Germany. December, 2016.

111. Wager, T.D. Neuroimaging of pain and distress: From biomarkers to brain representation. University of Florida Colloquium. Gainesville, Florida. December, 2016.

112. Wager, T.D. Placebo Effects. Teen Science Cafe at the Denver Museum of Nature and Science. Denver, CO. December, 2016.

113. Wager, T.D. Beyond Reward Learning: A Network-Based View of Fronto-Striatal Interactions in Pleasure and Pain. 55th meeting of the American College of Neuropsychopharmacology. Hollywood, Florida. December, 2016.

114. Wager, T.D., Neuroimaging of Pain and Distress: From biomarkers to Brain representation. Conte Scientific Advisory Board. New York City, NY. January, 2017.

115. Wager, T.D., Placebos, Expectations, and Self-fulfilling Prophecies. University of Pittsburgh Colloquium. Pittsburgh, PA. January, 2017

116. Wager, T.D., Neuroimaging of Pain and Distress: From biomarkers to Brain representation. UCLA Neuroimaging Affinity Group Invited Lecture. Los Angeles, CA. February, 2017

117. Wager, T.D., Neuroimaging of Pain and Distress: From biomarkers to Brain representation. Montreal Neurological Institute and Hospital Killam Lecture. Montreal, Canada. February, 2017.

118. Wager, T.D., A Multiple Systems Approach to Understanding Pain. The Challenge of Chronic Pain Conference. Cambridge, UK. March, 2017.

119. Wager, T.D., Towards fMRI-based biomarkers for pain. New Hampshire Bar Association Mid-year meeting. Manchester, NH. March, 2017.

120. Wager, T.D., A Multiple Systems Approach to Understanding Pain. Duke Pain Research Seminar. Durham, NC. March, 2017.

121. Wager, T.D., A Neural Signature for Pain Identified with Machine learning. 54th Annual Rocky Mountain Bioengineering Symposium. Aurora, CO. March, 2017.

122. Wager, T.D., Neuroimaging of Pain and Distress: From biomarkers to Brain representation. 1st Official Society for Interdisciplinary Placebo Studies Conference. Leiden, Netherlands. April, 2017.

123. Wager, T.D. Neuroimaging of Pain and Distress: From biomarkers to Brain representation. University of Maryland, Baltimore County (UMBC) Colloquium. Baltimore, Maryland. April, 2017.

124. Wager, T.D. Reproducible, generalizable brain models of affective processes. Society for Affective Sciences Annual Conference. Boston, Massachusetts. April, 2017

125. Wager, T.D. Neuroimaging of Pain and Distress: From biomarkers to Brain representation. Yale University Symposium. New Haven, Connecticut. May, 2017.

126. Wager, T.D. Neuroimaging of Pain and Distress: From biomarkers to Brain representation. Association for Psychological Science Annual Convention. Boston, Massachusetts. May, 2017.

127. Wager, T.D. Neuroimaging of Pain and Distress: From biomarkers to Brain representation. Laureate Institute for Brain Research (LIBR) WKW Frontiers in Neuroscience Conference. Tulsa, Oklahoma. June, 2017.

128. Wager, T.D. Advanced fMRI techniques. 23nd Annual Meeting of the Organization for Human Brain Mapping. Vancouver, Canada. June, 2017.

129. Wager, T.D. Neuroimaging of Pain and Distress: From biomarkers to Brain representation. Summer School in Social Neuroscience & Neuroeconomics. Durham, North Carolina.

130. Wager, T.D. Concepts, learning, and pain modulation. Satellite Symposium: Neural Circuits of Pain. Heidelberg and Schwetzingen, Germany. September, 2017.

131. Wager, T.D. Neuroimaging of Pain and Distress: From biomarkers to Brain representation. University of California, Berkeley Colloquium. Berkeley, California. September, 2017.

132. Wager, T.D. Reproducible, generalizable brain models of affective processes. University of Madison, Wisconsin Colloquium. Madison, Wisconsin. October, 2017.

133. Wager, T.D. Reproducible, generalizable brain models of affective processes. Kavli Foundation Neuroscience Workshop at the Annual Conference for the Society for Neuroeconomics. Toronto, Canada. October, 2017.

134. Wager, T.D. Reproducible, generalizable brain models of affective processes. National Academies of Sciences, Engineering, and Medicine workshop the Forum on Neuroscience and Nervous System Disorders: *Advancing Therapeutic Development for Pain and Opioid Use Disorders through Public-Private Partnerships*. Washington, DC. October, 2017.

135. Wager, T.D. Reproducible, generalizable brain models of affective processes. Caltech's Behavioral and Social Neuroscience Seminar Series. California Institute of Technology – Pasadena, California. October, 2017.

136. Wager, T.D. Reproducible, generalizable brain models of affective processes. American Academy of Psychiatry and the Law Conference on the Neuroscience and forensic implications of Pain Measurement. Denver, Colorado. October, 2017.

137. Wager, T.D. Reproducible, generalizable brain models of affective processes. The Power of Minds Conference at Stanford University. Stanford, California. December, 2017.

138. Wager, T.D. Neuroimaging of pain and emotion: Computation, representation, and regulation. Center for Cognitive Neuroscience at Dartmouth College Invited talk. Hanover, New Hampshire. December, 2017.

Note: Conference talks have not been updated for 2018-2019

Selected Other Invited Presentations (through 2015)

1. Wager, T.D., "Meta-analysis of neuroimaging data." University of Michigan functional MRI symposium. September, 2003.

2. Wager, T.D., "Neural measures of relationships among executive functions." Sackler Institute, Cornell Medical Center. February, 2004.

3. Wager, T.D., "The neural bases of the placebo response in fMRI." Harvard University. April, 2004.

4. Wager, T.D., "From feelings to control: Functional specialization of the insula." University of Michigan. June, 2004.

5. Wager, T.D., "Design and analysis in fMRI: Optimization, power, and robust estimation." Columbia University Medical Center. July, 2004.

6. Wager, T.D., "Shifting attention and resolving interference: Components of thought?" University of Pennsylvania. September, 2004.

7. Wager, T.D., "The neural bases of the placebo response in fMRI." National Institutes of Health/National Center for Complementary and Alternative Medicine symposium on placebo effects. October, 2004.

8. Wager, T.D., "Parsing the brain: The neural basis of the placebo response." Columbia University Lifelong Learners seminar series. November, 2004.

9. Wager, T.D., "Statistics in functional brain imaging." Columbia University Statistics Conference. December, 2004.

10. Wager, T.D., "The neural bases of placebo effects: results and implications for human self-regulation." Yale University. March, 2005.

11. Wager, T.D., "Design and analysis in fMRI: Optimization, power, and robust estimation." Stanford University, Gabrieli lab group. January, 2005.

12. Wager, T.D., “What can neuroimaging tell us about emotion? The search for simple structure.” Boston College, April 2005.

13. Wager, T.D., “The neural bases of the placebo response in fMRI.” New York State Psychiatric Institute. June, 2005.

14. Wager, T.D., “Individual differences in the control of attention.” Betty Behrens Symposium, Cambridge University. August, 2005.

15. Wager, T.D., “Expectations and individual differences in cognitive and affective control.” New York Psychoanalytic Institute. October, 2005.

16. Wager, T.D., “Brain pathways in the cognitive generation and regulation of affect.” Hunter College, New York, October 2006.

17. Wager, T.D., “The neural bases of placebo effects in pain.” Pacifica Institute conference on Healing in an Age of Neuroscience. May, 2007.

18. Wager, T.D., “The neural bases of placebo effects in pain.” Cold Spring Harbor Symposium on Mechanisms of Alertness, Arousal, and Attention. June, 2007.

19. Wager, T.D., “Finding emotion in the brain.” Yale University, September, 2007.

20. Wager, T.D., “Expectancy modulation of pain affect: Electrophysiological evidence and opioid mechanisms.” Mechanisms of Placebo/Nocebo Volkswagon Conference, Tutzing, Germany, November 2007.

21. Wager, T.D., “Expectancy modulation of pain affect: Electrophysiological evidence and opioid mechanisms.” Temple University, Dept. of Psychiatry Grand Rounds, December 2007.

22. Wager, T.D., “Prefrontal regulation of affect: Placebo responses and context-based shaping of pain and negative emotion” University of Chicago, Dept. of Psychology Colloquium, March 2008.

23. Wager, T.D., “Prefrontal regulation of affect: Placebo responses and context-based shaping of pain and negative emotion” Columbia University, Dept. of Psychiatry Grand Rounds, March 2008.

24. Wager, T.D., “Prefrontal regulation of affect: Placebo responses and context-based shaping of pain and negative emotion” University of Colorado, Dept. of Psychology Colloquium, April 2008.

25. Wager, T.D., “Prefrontal regulation of affect: Placebo responses and context-based shaping of pain and negative emotion” Yale University, Magnetic Resonance Research Center, April 2008.

26. Wager, T.D., “Beyond Belief: The neuroscience of placebo effects” Columbia University Café Science series, May 2008.

27. Wager, T.D., “Placebo Effects in Pain: A Window into the Cognitive Regulation of Affect.” Cornell Psychology Colloquium, October, 2008.

28. Wager, T.D., “Placebo Analgesia - What Have We Learnt From Functional Imaging?” Seminar: "Placebos: How do they work?" Manchester, UK, November, 2008.

29. Wager, T.D., “An integrative neuroscience approach to understanding pain and negative emotion.” Colloquium at the University of Chicago, January, 2009.

30. Wager, T.D., “An integrative neuroscience approach to understanding pain and negative emotion.” Grand Rounds at Sloan Kettering Memorial Hospital, New York, NY, January, 2009.

31. Wager, T.D., “An integrative neuroscience approach to understanding pain and negative emotion.” The Group Dynamics Seminar series, Ann Arbor, Michigan, February, 2009.

32. Wager, T.D., “If neuroimaging is the answer, what is the question?” Workshop: Estimating Effects and Correlations in Neuroimaging Data, Columbia University, New York, July, 2009.

33a. Wager, T.D., “Brain-body communication in stress and pain: A view from neuroimaging.” Athinoula A. Martinos Center for Biomedical Imaging Brain Mapping Seminar, Boston, Massachusetts, April, 2010.

34. Wager, T.D., “Predicting pain and pain modulation from fMRI activity.” Workshop – Brain “decoding”; Classifying and predicting mental states from brain activity, Columbia University, New York, September, 2010.

35. Wager, T.D., “The origins of pain in the central nervous system: Insights from the manipulation of expectation and affective value.” Talks in Language and Linguistics, University of Cambridge, UK, October, 2010.

36. Wager, T.D., “The origins of pain in the central nervous system: Insights from the manipulation of expectation and affective value.” University College London, UK, October, 2010.

37. Wager, T.D., “The origins of pain in the central nervous system: Insights from the manipulation of expectation and affective value.” University of Reading, UK, October, 2010.

38. Wager, T.D., “The origins of pain in the central nervous system: Insights from the manipulation of expectation and affective value.” Hamburg, Germany, November, 2010.

39. Wager, T.D., “Expectations and the regulation of affect.” University of Colorado at Boulder Social Psychology Brown Bag Seminar, Boulder, Colorado, February, 2011.

40. Wager, T.D., “Placebo analgesia and neuroimaging-based biomarkers for pain.” Department of Radiology “C-TRIC Lecture Series” University of Colorado, Denver, Colorado, September, 2011.

41. Wager, T.D., “The science of neuroaesthetics.” Your Brain on Art: Discussions on Creativity and the Mind, Boulder Museum of Contemporary Art, Boulder, Colorado, October, 2011.

42. Wager, T.D., “A midline prefrontal-brainstem axis for conceptually driven affect.” National Cancer Institute sponsored workshop, Houston, TX, October 2011.

43. Wager, T.D., “Neural substrates of physical and emotional pain.” Workshop speaker, Bilbao, Spain, December 2011.

44. Wager, T.D., “Placebo effects and the construction of affective meaning.” Mind, Brain, Body, and Health Research Network meeting, December, 2011.

45. Wager, T.D., “Placebo analgesia: A window into the brain mechanisms of affect regulation.” Psychiatry Grand Rounds, University of Arizona. March, 2012.

46. Wager, T.D., “Measuring pain and its modulation by cognition and emotion in the human brain.” University of Arizona. March, 2012.

47. Wager, T.D., “Shared and divergent representations of physical and emotional pain in the central nervous system.” Cognitive Science colloqium, University of Arizona. March, 2012.

48. Wager, T.D., “Thoughts as things: Placebo effects and the brain systems that regulate pain and emotion.” Café Scientifique, Denver, CO.

49. Wager, T.D., Found in translation: fMRI-based biomarkers for pain and distress. Max Planck Institute, Leipzig, Germany, 2012.

50. Wager, T.D., Found in translation: fMRI-based biomarkers for pain and distress. University of Colorado Behavioral Neuroscience series, 2012.

51. Wager, T.D., The neural bases of placebo effects in pain. International Thoughts on Mind and Brain, Bar-Ilan University, Tel Aviv, Israel, 2012.

52. Wager, T.D., Thoughts as things: Placebo effects and the brain systems that regulate pain and emotion. Strauss Lectures in Anthropology, University of Colorado, Denver Medical Center, 2012.

53. Wager, T.D., Thoughts as things: Placebo effects and the brain systems that regulate pain and emotion. Anesthesiology Grand Rounds, University of Colorado, Denver Medical Center, 2012.

54. Wager, T.D., Found in translation: fMRI-based biomarkers for pain and distress. Yale University, 2012.

55. Wager, T.D., Found in translation: fMRI-based biomarkers for pain and distress. Pennsylvania State University, 2013.

56. Wager, T.D., Dimidjian, S., Psychological and Neural Mechanisms of Compassion and Methods to Train Compassion. University of Colorado Inter-Department Neuroscience series, 2013.

57. Wager, T.D., Placebo Effects in Parkinson's Disease. University of Colorado School of Medicine, Denver, 2013.

58. Wager, T.D., Placebo Analgesia in Complementary and Alternative Medicine. University of Colorado School of Physical Therapy, Denver, 2013.

59. Wager, T.D., fMRI-based Biomarkers for Clinical Pain and Analgesia. NIDA and NIH Pain Consortium so-sponsored workshop on fMRI-based Biomarkers for Multiple Components of Pain, Bethesda, MD, 2013.

60. Wager, T.D., Towards fMRI-based biomarkers for pain and distress. 10th Annual Kenneth Casey Lecture, Department of Neurology, University of Michigan, 2013.

61. Wager, T.D. The utility of brain biomarkers for predicting and understanding behavior: Concepts, cautions, and new directions. Science of Behavior Change Common Fund: Harnessing Neuroplasticity for Behavior Change, National Institutes of Health, 2013.

62. Wager, T.D., Towards fMRI-based Biomarkers for Pain and Emotion. Psychology Colloquia at University of California, Davis, Davis, CA, February, 2014.

63. Wager, T.D., Neuroimaging of pain and distress: The path from blobs to biomarkers to brain representation. Stanford Talks, Stanford, CA, November, 2014.

64. Wager, T.D., Neuroimaging of pain and distress: The path from blobs to biomarkers to brain representation. Peking University, Beijing, China, September, 2015.

Note: Talks have not been updated for 2016-2019

Memberships in Professional Societies

Cognitive Neuroscience Society
International Society for Magnetic Resonance in Medicine
Organization for Human Brain Mapping

Society for Neuroscience
American Psychological Society
American Psychosomatic Society
Social and Affective Neuroscience Society
American Pain Society
International Association for the Study of Pain

Professional Service

Grant and journal reviews

Grant review panels

July 1, 2012 – June 30, 2018. Social, Personality, and Interpersonal Processes (SPIP) study section, Center for Scientific Review. Standing member.

ad hoc grant reviews:
SPIP Panel; SCS Panel; NCCAM, NIMH special emphasis panels; National Science Foundation; Wellcome Trust, Swiss NSF, others

Peer-review for Journals (selected):

Archives of General Psychiatry
Behavioral and Brain Sciences
Biological Psychiatry
Brain Research
Cerebral Cortex
Cognitive, Affective, & Behavioral Neuroscience
Emotion
Journal of Cognitive Neuroscience
Journal of Neuroscience
Nature
Nature Neuroscience
Nature Medicine
Nature Reviews Neuroscience
Neuroimage
Neuroreport
Pain
Journal of Pain
Proceedings of the National Academy of Sciences

Psychiatry Research: Neuroimaging
Psychological Science
Science
Social, Cognitive, and Affective Neuroscience
Sage Books

Memberships in Professional Societies

Cognitive Neuroscience Society
International Society for Magnetic Resonance in Medicine
Organization for Human Brain Mapping
Society for Neuroscience
American Psychological Society
American Psychosomatic Society
Social and Affective Neuroscience Society
American Pain Society

Selected Committees

2002	Admissions committee, Cognition and Perception, University of Michigan
2001-2004	fMRI Center operations committee, University of Michigan
2004-2009	Institutional review board (IRB), Columbia University
2011-present	Executive Committee, Intermountain Neuroimaging Consortium fMRI Center, Boulder
2012-2015	Council, American Psychosomatic Society
2012-2013	President, Social and Affective Neuroscience Society
2013-2014	Executive Committee, Institute for Cognitive Science, University of Colorado, Boulder
2013-2014	Strategic Planning Committee, Department of Psychology and Neuroscience, University of Colorado, Boulder
2013-2016	Institutional review board (IRB), University of Colorado, Boulder

2015-2016	Secretary-elect, Organization for Human Brain Mapping
2016-2017	Secretary, Organization for Human Brain Mapping
2017-2018	Past Secretary, Organization for Human Brain Mapping

Teaching Activities

Fall 2001	Advanced Cognitive Lab. Taught experimental design and statistics. *Graduate Student Instructor*.
Winter 2001	Human Neuroanatomy. Core requirement for University of Michigan Neuroscience Ph.D. students. Lecturer and lab instructor. *Graduate Student Instructor*.
Winter 2001	Mind and Brain. Introductory course for undergraduates. *Consultant*.
July 2001	Neuroanatomy for Cognitive Scientists. A two-week workshop for students and faculty co-instructed with Dr. Jeffrey Hutsler. *Co-instructor.*
2001 - 2002	Functional Neuroimaging Methods. *Lecturer*: experimental design for fMRI; *Lab instructor*: experimental design and programming
Winter 2002	lab.
Winter 2003	Human Neuroanatomy. *Guest lecturer*: Higher Cognitive Functions.
2004 - 2009	Multivariate Statistics. Core requirement for University of Michigan Psychology Ph. D. students. *Graduate Student Instructor*.
	The Neuroscience of Cognitive and Emotional Control. Columbia University seminar (undergraduate/graduate). *Instructor.*
	Methods and Issues in Cognitive Neuroscience: fMRI Methods. Columbia University seminar (undergraduate/graduate).

2010	*Instructor.* Statistics for Behavioral Scientists. Columbia University lecture course (undergraduate). *Instructor.*
2011	PSYC 7215: Advanced research methods: fMRI analysis. University of Colorado, Boulder NRSC 4015/5015: Affective Neuroscience. University of Colorado, Boulder.
2012	PSYC 7215: Advanced research methods: fMRI analysis. University of Colorado, Boulder NRSC 4015/5015: Affective Neuroscience. University of Colorado, Boulder.
2013	NRSC 4015/5015: Affective Neuroscience. University of Colorado, Boulder.
2016	NRSC 4015/5015: Affective Neuroscience. University of Colorado, Boulder.
2017	CSCI 3702: Cognitive Science. University of Colorado, Boulder NRSC 4015: Affective Neuroscience. University of Colorado, Boulder.
2018	NRSC 4015: Affective Neuroscience. University of Colorado, Boulder.
Summer Courses and Workshops	PSYC 7215: Advanced research methods: fMRI analysis. University of Colorado, Boulder PSYC 6200: Issues and Methods in Cognitive Science. University of Colorado, Boulder University of Michigan Summer fMRI course (Instructor; 2009-2012). NIH-funded, 2-week intensive workshop directed by Dr. John Jonides. Responsible for nearly all lectures and labs in

the second week, on fMRI statistical analysis.

Organization for Human Brain Mapping Advanced fMRI Course. (Organizer and Chair; 2008-2013, ongoing). Annual one-day course on fMRI analysis at the annual OHBM Meeting.

Organization for Human Brain Mapping Meta-analysis Educational Course. (Co-Organizer and Chair; 2013). Annual one-day course at the OHBM Meeting.

Keystone Symposia - The Brain: Adaptation and Maladaptation in Chronic Pain. Workshop titled: “New Technologies to Understand the Brain in Pain.” June, 2014.

MRN fMRI Course. (Instructor; ongoing). Three-day intensive fMRI analysis workshop, offered three times per year to basic and clinical researchers. Co-taught with Drs. Vince Calhoun and Kent Kiehl.

Trainees

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4 former Ph.D. advisees and 9 former primary postdoc mentees in academic faculty positions

Ph.D. Students (current)

Bogdan Petre
Role: Primary Advisor
Current position: Ph.D. student, Dartmouth College

Heejung Jung
Role: Primary Advisor
Current position: Ph.D. student, Dartmouth College

Lukas Slipski
Role: Primary Advisor
Current position: Ph.D. student, Dartmouth College

Mijin Kwon

Role: Primary Advisor
Current position: Ph.D. student, Dartmouth College

Post-doctoral trainees (current)

Dr. Marta Ceko. Ph.D.
Role: Primary Advisor
Current position: Research Scientist, University of Colorado, Boulder

Dr. Philip Kragel, Ph. D.
Role: Primary Advisor
Current position: Postdoctoral Fellow, University of Colorado, Boulder

Dr. Xiaochun Han, Ph. D.
Role: Primary Advisor
Current position: Postdoctoral Fellow, Dartmouth College

Dr. Michael Sun, Ph. D.
Role: Primary Advisor
Current position: Postdoctoral Fellow, Dartmouth College

Dr. Rotem Botvinick-Nezer, Ph. D.
Role: Primary Advisor
Current position: Postdoctoral Fellow, Dartmouth College

Ph.D. Students (former)

Dr. Lauren Leotti, Ph.D. (Ph.D. 2009)
Role: Primary Advisor
Current position: Industry

Dr. Hedy Kober, Ph. D. (Ph.D. 2010)
Role: Co-advisor
Current position: Assistant Professor, Yale University

Dr. Jason Buhle, Ph.D. (Ph.D. 2010)
Role: Primary Advisor
Current position: Postdoctoral researcher, Columbia University

Dr. Julie Spicer, Ph.D. (Ph.D. 2011)

Role: Primary Advisor (Co-Advisor, Ed Smith)
Current position: Postdoctoral researcher, Columbia University

Dr. Lauren Atlas, Ph.D. (Ph.D. 2011)
Role: Primary Advisor
Current position: Chief, NIH intramural program on pain, NCCIH

Dr. Choong-Wan Woo (Ph.D. 2016)
Role: Primary Advisor
Current position: Assistant Professor, Biomedical Engineering and IBS center for Neuroscience Imaging Research (CNIR), Sungkyunkwan University, South Korea

Dr. Scott Schafer (Ph.D. 2016)
Role: Primary Advisor
Current position: Industry

Dr. Emily Stern, Ph.D.
Role: Ph.D. committee member
Current position: Assistant Professor, Mt. Sinai Health, New York

Dr. Chris Summerfield, Ph.D.
Role: Supporting Mentor/Ph.D. committee member
Current position: Lecturer, Oxford University, England

Dr. Ted Yanagahara, Ph.D.
Role: Supporting Mentor/Ph.D. committee member
Current position: Fellow, Columbia University

Dr. Spiro Pantazatos, Ph.D.
Role: Supporting Mentor, predoctoral NRSA
Current position: Postdoctoral researcher, Columbia University

Dr. Jared Van Snellenberg, Ph.D.
Role: Supporting Mentor (Co-Advisor, Ed Smith)
Current position: Postdoctoral researcher, Columbia University

Dr. Jenna Reinen, Ph.D.
Role: Co-Advisor (Daphna Shohamy, Primary Advisor)
Current position: Postdoctoral researcher

Dr. Lanlan Zhang, Ph. D. (visiting scholar from China)
Role: Mentor

Current position: Shang Hai University of Sport

Weihao Zheng
Role: Mentor
Current position: Ph. D. student (visiting scholar from China), Lanzhou University

Yoni Ashar
Role: Primary Advisor
Current position: Intern, Cornell Medical, New York

Marianne Reddan
Role: Primary Advisor
Current position: Postdoctoral Researcher, Stanford University

Post-doctoral trainees (former)

Dr. Marina Lopez-Sola, Ph.D.
Role: Primary Advisor
Current position: Assistant Professor, University of Cincinnati Department of Anesthesia

Dr. Stephan Geuter, Ph.D.
Role: Primary Advisor
Current position: Postdoctoral Fellow, Johns Hopkins University

Dr. Tal Yarkoni, Ph.D.
Role: Primary Advisor
Current position: Research Scientist, University of Texas at Austin

Dr. Ethan Kross, Ph. D.
Role: Supporting mentor
Current position: Associate Professor, University of Michigan

Dr. Peter Freed, M.D.
Role: K-award supporting mentor
Current position: Research Fellow, Columbia University

Dr. Eric Fertuck, M.D.
Role: K-award supporting mentor
Current position: Associate Professor, SUNY Stonybrook

Dr. Bret Rutherford, M.D.

Role: K-award co-mentor
Current position: Research Fellow, Columbia University

Dr. Brian Berman, M.D.
Role: Supporting Mentor
Current position: Assistant Professor, CU Denver

Dr. Mathieu Roy, Ph.D.
Role: Primary Advisor
Current position: Assistant Professor, McGill University, Montreal

Dr. Liane Schmidt, Ph.D.
Role: Co-Primary Advisor
Current position: Postdoctoral Fellow, Paris, France

Dr. Elizabeth Losin, Ph.D.
Role: Primary Advisor
Current position: Assistant Professor, University of Miami

Dr. Anjali Krishnan, Ph.D.
Role: Primary Advisor
Current position: Assistant Professor, Brooklyn College, NY, USA

Dr. Luke Chang, Ph.D.
Role: Primary Advisor
Current position: Assistant Professor, Dartmouth College, Hanover, NH, USA

Dr. Hedwig Eisenbarth, Ph.D.
Role: Primary Advisor
Current position: Assistant Professor, University of Southampton, UK

Dr. Marieke Jepma, Ph.D.
Role: Primary Advisor
Current position: Research Scientist, Leiden, Netherlands

Dr. Jessica Andrews-Hanna, Ph.D.
Role: NRSA supporting mentor, Postdoc mentor
Current position: Assistant Professor, University of Arizona

Dr. Hosik Moon, M.D.
Role: Collaborator, host.
Current position: physician in South Korea

Dr. Jonas Tesarz, M.D.
Role: Collaborator and host
Current position: (physician in Heidelburg, Germany)

Dr. Leonie Koban, Ph.D.
Role: Primary Advisor
Current position: Postdoctoral Fellow, INSEAD, Paris, France

Dr. Dan Lee, Ph.D.
Role: Primary Advisor
Current position: Postdoctoral Fellow, University of Colorado, Boulder

Dr. Pavel Goldstein, Ph. D.
Role: Primary Advisor
Current position: Assistant Professor, University of Haifa

Other mentorship activities

Assistant Professor Raimi Quiton - Eminent Scholar Mentor, University of Maryland
Laura Bernabe Miguel – Masters' thesis committee, electrical engineering
John Lurquin – Masters' thesis committee, psychology
- Ph.D. dissertation committee, psychology
Laura Michaelson – Masters' thesis committee, psychology
Andrea Pelletier – supporting mentor on postdoctoral NRSA
Jessica Mollick – Masters' thesis committee, psychology
Scott Mackie – Masters' thesis committee, psychology
Dan-Mikael Ellingsen - Ph.D. committee opponent (Sweden)
Virgile Fristch – Ph.D. thesis committee, National Institute for Research in Computer Science and Control, France
Helena Yardley, Ph.D. thesis committee, University of Colorado (2016)
Ellen Terry - (Fillingim lab) K-Award supporting mentor
Erik Summerside, Ph.D. student, University of Colorado, Boulder (2016)
Hans Melo, University of Toronto, Ph.D. thesis committee (2016)
Nathalie Weltens, University of Leuven, Ph.D. committee (2017)
Alejandro De la Vega, University of Texas, Austin, Ph.D. thesis committee (2017)
Hee Jung Jung, University of Colorado, Boulder, Master's thesis committee (2017)
(partial list)