

PERSONAL

P. Read Montague

Citizenship: USA

[Faculty Profile](#)

EDUCATION

1991-1992 **Fellow**, HHMI/Computational Neurobiology Lab, The Salk Institute for Biological Studies, La Jolla, CA
Sponsor: Terrence Sejnowski, PhD

1989-1991 **Fellow**, The Neurosciences Institute, Rockefeller University, New York, NY
Sponsor: Gerald Edelman, MD, PhD | Concentration: Theoretical Neurobiology

1988 **Ph.D. Biophysics**, University of Alabama at Birmingham School of Medicine, Birmingham, AL

1985 *Neurobiology Course*, Marine Biological Laboratory, Woods Hole, MA

1983 **B.S. Mathematics**, Auburn University, Auburn, AL

ACADEMIC APPOINTMENTS

2019-present **Director**, Center for Human Neuroscience Research, Fralin Biomedical Research Institute at VTC

2018-present **Honorary Professor**, The Wellcome Centre for Human Neuroimaging, University College London, UK

2016-present **Virginia Tech Carilion Vernon Mountcastle Research Professor**, *Inaugural Appointment*

2011-2018 **Wellcome Trust Principal Research Fellow**, The Wellcome Centre for Human Neuroimaging, University College London, UK

2010-present **Director**, Computational Psychiatry Unit, Fralin Biomedical Research Institute at VTC

2010-present **Director**, Human Neuroimaging Laboratory, Fralin Biomedical Research Institute at VTC

2010-present **Professor**, Department of Physics, College of Science, Virginia Tech

2010-present **Professor**, Psychiatry and Behavioral Medicine, Virginia Tech Carilion School of Medicine

2010-2013 **Adjunct Professor**, Department of Neuroscience, Baylor College of Medicine

2006-present **Honorary Professor**, Gatsby Computational Neuroscience Unit, University College London, UK

2005-2006 **Member**, Institute for Advanced Study

2003-2010 **Brown Foundation Professor of Neuroscience**, Baylor College of Medicine

2003-2010 **Professor**, Menninger Department of Psychiatry and Behavioral Sciences, Baylor College of Medicine

2001-2010 **Director**, Human Neuroimaging Laboratory, Baylor College of Medicine

2001-2010 **Professor**, Department of Neuroscience, Baylor College of Medicine

1998-2001 **Associate Professor**, Division of Neuroscience, Baylor College of Medicine

1993-1998 **Assistant Professor**, Division of Neuroscience, Baylor College of Medicine

1992-1993 **Staff Scientist**, HHMI/Computational Neurobiology Lab, The Salk Institute for Biological Studies

HONORS AND AWARDS

Dorcas Cummings Memorial Lecture, Cold Spring Harbor Laboratory, 2018

Wellcome Trust Principal Research Fellowship, 2011-2018

Network Member, The MacArthur Foundation Research Network on Law and Neuroscience, 2011- 2016

William R. and Irene D. Miller Lectureship Recipient, Cold Spring Harbor Laboratory, 2011-2012

Walter Gilbert Award, Auburn University, 2011

Kavli Fellow, National Academy of Sciences, U.S.- China Frontiers of Science, 2010

Member, Institute for Advanced Study, 2005-2006

Michael E. DeBakey Excellence in Research Award, 1997, 2005

NATIONAL SCIENTIFIC PARTICIPATION

Review Panels:

NIBIB BTRC P41 Review Panel, 2020

NIBIB BRAIN Initiative: Theories, Models and Methods Review Panel, 2019

Stanford University, Center for Mind, Brain and Computation, Member of Advisory Board

NIMH Research Domain Criteria Project (RDoC) Panel, 2013:
(RFA-MH-14-050) Dimensional Approaches to Research Classification in Psychiatric Disorders

NIH Center for Scientific Review, 2011:
Cognitive Neuroscience (COG) Study Section

NIH Director's Pioneer Award (NDPA) Review Panel, 2004

NASA Neuroscience (ground) Panel, 1999

NIH Study Section Integrative Functional Cognitive Neuroscience (IFCN) 8, 1998-2002

NIMH Cognitive Function Study Section, 1997; 1998

Ad hoc Reviewer:
National Science Foundation
The Wellcome Trust

Reviewer for: Cerebral Cortex, Journal of Cognitive Neuroscience, Journal of Computational Neuroscience, Journal of Neurochemistry, Journal of Neurophysiology, Journal of Neuroscience, Journal of Theoretical Biology, Nature, Nature Neuroscience, Network: Computation in Neural Systems, Neural Computation, NeuroImage, Neuron, Psychological Review, Science, The Lancet

Organizer for:

2018 Computational Psychiatry: from theory to practice, San Diego, CA, Nov 2-3
2017 Computational Psychiatry: a didactic introduction, Washington, DC, Nov 10-11
2013 Computational Psychiatry, Miami, FL, Oct 22-23
2011 Organizing Committee, Chinese-American Kavli Frontiers of Science Symposium, Shenzhen, China, Nov 5-7
2004 Neuroeconomics, Kiawah Island, SC, Sept 16-19

PRESENTATIONS

ACCEPTED INVITATIONS – 2020

March 24 *Postponed* | McLean Hospital Neuroscience Seminar Series, Harvard Medical School, Boston, MA
April 2 *Postponed* | Geneva Finance Research Institute, University of Geneva, Geneva, Switzerland
April 21 *Postponed* | Biomedical Engineering Seminar Series, Virginia Tech, Blacksburg, VA
June 20-27 *Postponed* | Neuroscience School of Advanced Study, Firenze, Italy

2020 Computational Psychiatry Workshop, Institute for Pure and Applied Mathematics (IPAM), UCLA, Los Angeles, CA, Feb 18-21

2019 Wake Forest Neuroscience Research Day, Wake Forest University, Winston Salem, NC, Dec 4
2019 Collaboratory Science in Society, Institute for Neural Computation at University of California, San Diego, CA, Oct 29
2019 Laureate Institute for Brain Research, Tulsa, OK, Oct 1
2019 Summer Seminars in Neuroscience and Philosophy (SSNAP), Duke Institute for Brain Sciences, Duke University, Durham, NC, Aug 16
2019 Computational Psychiatry Course, New York, NY, Jul 29-30
2019 Kavli Summer Institute in Cognitive Neuroscience (SICN), University of California, Santa Barbara, CA, Jul 1
2019 Virginia Drug Discovery Consortium Symposium, Roanoke, VA, May 21
2019 Ephaptic Coupling Conference, Fralin Biomedical Research Institute at VTC, Roanoke, VA, May 6
2019 Keynote Speaker, George Mason University Computational Social and Affective Neuroscience Preconference, Miami, FL, May 2
2019 Institute des Sciences Cognitives, Lyon, France, Mar 29

2018 Neuroeconomics Colloquium, Institute for the Study of Decision Making, New York University, New York, NY, Dec 4
2018 Computational Psychiatry 2018: from theory to practice, San Diego, CA, Nov 2-3
2018 Cutting Edge Neuroscience, Cutting Edge Neuroethics, International Neuroethics Society, San Diego, CA, Nov 1
2018 Fifth Lake Lucerne Neurofinance Conference, Lake Lucerne, Switzerland, Sept 13-15
2018 Computational Psychiatry Course, Translational Neuromodeling Unit, University of Zurich, Zurich, Switzerland, Sept 13
2018 Computational Psychiatry Course, Wellcome Trust Centre for Neuroimaging, University College London, London, UK, Jul 26
2018 Dorcas Cummings Memorial Lecture, Cold Spring Harbor Laboratory, Cold Spring Harbor, NY, Jun 2
2018 Brains and Behavior: Order and Disorder in the Nervous System, Cold Spring Harbor Laboratory Symposium, Cold Spring Harbor, NY, May 31
2018 Keynote Speaker, Symposium for Young Neuroscientists and Professors of the Southeast (SYNAPSE), High Point University, High Point, NC, Apr 14
2018 Center for Complex Systems and Brain Sciences, Florida Atlantic University, Boca Raton, FL, Apr 10
2018 Department of Psychology, University of Virginia, Charlottesville, VA, Mar 30

2017 Computational Psychiatry: a didactic introduction, Washington, DC, Nov 10-11
2017 Keynote Speaker, Research Symposium, Biocomplexity Institute of Virginia Tech, Blacksburg, VA, Nov 8
2017 Current Challenges in Computing Conference, Napa, CA, Sept 10-12
2017 Computational Psychiatry Course, University College London, London, UK, Jul 24-25
2017 NIMH Computational Psychiatry: Opportunities and Challenges for the Future, Bethesda, MD, Jun 26-27
2017 The Neural Framework for Moral Cognition, The Neuroscience School of Advanced Studies, Sestri Levante, Italy, Jun 16
2017 Joint Specialist Registrar Teaching Programme, University College London, London, UK, Jun 7
2017 Department of Psychiatry and Laboratory of Molecular Neuroimaging, Yonsei University, Seoul, South Korea, May 19
2017 Avison Biomedical Symposium, Yonsei University College of Medicine, Seoul, South Korea, May 18
2017 NSP Spring Seminar Series, Beckman Institute, University of Illinois at Urbana-Champaign, Urbana, IL, Apr 25
2017 Neuroscience Research Seminar Series, Arizona State University, Tempe, AZ, Apr 13
2017 First Friday, Inn at Virginia Tech, Blacksburg, VA, Apr 7
2017 Pleasure, Reward and Value Conference, Brown University, Providence, RI, Mar 17-19
2017 The Brain: An Owner's Guide, Center for BrainHealth Lecture Series, The University of Texas at Dallas, Dallas, TX, Feb 28
2017 Adrian Seminars in Neuroscience, University of Cambridge, Cambridge, UK, Feb 20
2017 Cognition and Psychiatric Diseases Symposium, ICM Brain and Spine Institute, Paris, France, Feb 2

2016 Society for Neuroscience Annual Meeting, San Diego, CA, Nov 14

2016 Invited Speaker, Honors Residential Commons, Principal's Tea, Virginia Tech, Blacksburg, VA, Oct 28

2016 Melbourne Brain Symposium, Melbourne, Australia, Oct 13

2016 Minds on Markets: A Public Lecture, Faculty of Business and Economics, Melbourne Business School, The University of Melbourne, Oct 12

2016 Society for Neuroscience, Melbourne Chapter, Melbourne Brain Centre, Melbourne, Australia, Oct 12

2016 Decision Neuroscience Symposium, University of Melbourne Neuroscience Institute, Melbourne, Australia, Oct 11

2016 Virginia-Nordic Precision Neuroscience Conference, Virginia Tech Carilion Research Institute, Roanoke, VA, Oct 5

2016 Social and Behavioral Sciences for National Security Summit, The National Academies of Sciences, Engineering, and Medicine, Washington, DC, Oct 4

2016 Dopamine Workshop, Gatsby Computational Neuroscience Unit, University College London, UK, Sept 28-30

2016 North Cross School, Roanoke, VA, Sept 22

2016 Conversations with Leaders: The Next Frontier for Virginia's Life Science Sector, Lead Virginia, Richmond, VA, Sept 20

2016 MD Anderson Cancer Center, Houston, TX, Aug 16

2016 Center for BrainHealth, The University of Texas at Dallas, Dallas, TX, Jun 17

2016 Depression Grand Challenge Seminar, UCLA Center for Neurobehavioral Genetics, Los Angeles, CA, Jun 16

2016 The Addicted Brain and New Treatment Frontiers: Sixth Annual Aspen Brain Forum, New York, NY, May 20

2016 Virginia Bio, Richmond, VA, May 12

2016 Keynote Speaker, California Cognitive Science Conference, University of California, Berkeley, Berkeley, CA, Apr 30

2016 Center for BrainHealth, The University of Texas at Dallas, Dallas, TX, Apr 14

2016 The Brain and Political Ideology, Science and Society Symposium, Duke University, Durham, NC, Apr 8

2016 Computational Psychiatry Symposium, Cognitive Neuroscience Society, New York, NY, Apr 3

2016 Vassar College, Poughkeepsie, NY, Apr 1

2016 Beyond Boundaries Forum, Arlington, VA, Mar 31

2016 Interpreting BOLD: a dialogue between cognitive and cellular neuroscience, Kavli Royal Society International Centre, Buckinghamshire, UK, Jan 28-30

2016 Rutgers Brain Health Institute, Rutgers University, New Brunswick, NJ, Jan 14

2015 International Symposium on Prediction and Decision Making, University of Tokyo, Japan, Oct 31-Nov 1

2015 Brain Stimulation Based Neural Circuits Modeling: Linking levels of Analysis, Satellite Symposium, Society for Neuroscience Annual Meeting, Chicago, IL, Oct 16

2015 Grand Rounds, Columbia University Irving Medical Center, New York, NY, Oct 14

2015 Champalimaud Neuroscience Symposium: Perspectives on Social Behavior, Champalimaud Centre for the Unknown, Lisbon, Portugal, Sep 18

2015 Computational Psychiatry: What Can Theoretical Neuroscience and Psychiatry Teach Each Other?, Ernst Strüngmann Forum, Frankfurt, Germany, Jun 28 – Jul 3

2015 Medical University of South Carolina, Charleston, SC, May 26

2015 Queensland Brain Institute, University of Queensland, St. Lucia, Australia, May 6

2015 Queensland Institute of Medical Research Berghofer, Brisbane, Australia, May 5

2015 Keynote Speaker, Royal Australian and New Zealand College of Psychiatrists 2015 Congress, Brisbane, Australia, May 4

2015 Implications of Research on the Neuroscience of Affect, Attachment and Social Cognition Conference, University College London, London, UK, Apr 26

2015 Reciprocity and Social Cognition, Berlin School of Mind and Brain, Humboldt Universität zu Berlin, Berlin, Germany, Mar 24

2014 Smart Approaches to Marijuana (SAM) Conference, Virginia Tech Carilion Research Institute, Roanoke, VA, Nov 3

2014 Keynote Speaker, Children's National Medical Center, George Washington University, Washington, DC, Oct 14

2014 Crowd Cognition, Max Planck Summer School, London, UK, Jul 9-11

2014 Computational Psychiatry Course, Wellcome Trust Centre for Neuroimaging, London, UK, May 14

2014 Department of Psychiatry Grand Rounds, University of Virginia, Charlottesville, VA, Apr 29

2014 Vanderbilt University, Nashville, TN, Apr 14

2014 Rethinking Regulation and Reform: Behavioral Economics and the Regulatory State, Fifth Annual Triangle Law and Economics Conference, Duke University, Durham, NC, Apr 11

2014 Cognitive Neuroscience Colloquium, Duke Institute for Brain Sciences, Duke University, Durham, NC, Apr 11

2014 Neuromarketing World Forum, New York, NY, Mar 6

2014 Virginia Tech – Wake Forest University School of Biomedical Engineering and Sciences, Blacksburg, VA, Mar 27

2014 University of Pennsylvania, Philadelphia, PA, Feb 3-4

2014 Georgia Institute of Technology, Atlanta, GA, Jan 14

2014 Center for Advanced Brain Imaging, Parker H. Petit Institute for Bioengineering and Bioscience, Georgia State University, Atlanta, GA, Jan 13

2013 Perelman School of Medicine, University of Pennsylvania, Philadelphia, PA, Oct 31

2013 Redefining Disease Concepts in Psychiatry: A "Hilbert List" for Translational Research, Translational Neuromodeling Unit Symposium, Zurich, Switzerland, Sept 18-20

2013 Salem Veterans Affairs Medical Center, Salem, VA, Sept 3

2013 Workshop on the Mechanism of Brain and Mind, Nagoya Congress Center, Aichi, Japan, Aug 30

2013 Annual Meeting of the Research Society on Alcoholism, Grand Cypress, FL, Jun 23

2013 Implications of Research on the Neuroscience of Affect, Attachment and Social Cognition Conference, University College London, London, UK, May 18-19

2013 Annual Interdisciplinary Symposium on Decision Neuroscience, Temple University, Philadelphia, PA, May 5

2013 New Experimental Approaches to Human Brain Function in Health and Disease, Symposium, Society for Experimental Biology and Medicine, Boston, MA, Apr 21

2013 Mike McKay Annual Lecture on the Mind, Randolph Macon College, Ashland, VA, Apr 11

2013 Accelerating Therapeutic Development for Nervous System Disorders Toward First in Human Trials, Institute of Medicine of the National Academies, Washington, DC, Apr 8

2012 William R. and Irene D. Miller Lectureship, Cold Spring Harbor Laboratory, Cold Spring Harbor, NY, Oct 23

2012 Dynamical Neuroscience XX, Collective Cognition: The Neurophysiology of Social Neuroscience, New Orleans, LA, Oct 11

2012 Society for Neuroeconomics, Key Biscayne, FL, Sept 28

2012 Korea Brain Research Institute, Daegu, South Korea, Sept 24

2012 Radical Openness Conference, TEDGlobal 2012, Edinburgh, Scotland, Jun 27

2012 Yale University, School of Medicine, New Haven, CT, Apr 11

2012 Virginia Psychological Association, Roanoke, VA, Apr 6

2012 School of Psychology, University of Nottingham, Nottingham, UK, Mar 21

2012 What is Information in the Brain, DSRC/DARPA, George Mason University, Fairfax, VA, Mar 15

2012 Brain and Computation, Stanford University, Stanford Center for Mind, Stanford, CA, Feb 29

2012 St. Andrew's School, Middletown, DE, Feb 10

2012 Medical Research Council Cognition and Brain Sciences Unit, University of Cambridge, Cambridge, UK, Jan 19

2011 Foundations of Human Social Behavior, University of Zurich, Zurich, Switzerland, Dec 8

2011 Society for Neuroeconomics, Evanston, IL, Sept 30-Oct 2

2011 Annual Interdisciplinary Symposium on Decision Neuroscience, Temple University, Philadelphia, PA, Sept 16-18

2011 Gatsby Computational Neuroscience Unit, University College London, London, UK, Jun 13

2011 B.F. Skinner Lecture, Association for Behavior Analysis International, Denver, CO, May 30

2011 Neuroeconomic Approaches to Mental Disorders, NIH Seminar Series, Bethesda, MD, May 2

2011 Free Will and Responsibility, Transcending the Boundaries Symposium, Duke University, Durham, NC, Apr 14-16

2011 Safra Symposium on the Scientific Basis of Conflict of Interest: The Role of Implicit Cognition, Harvard University, Cambridge, MA, Apr 12-14

2011 Ethics Grand Rounds, University of Texas Southwestern Medical Center Dallas TX, Apr 11-12

2011 NeuroMetric Market Behavior Prediction using Movie Trailers, EmSense Corporation New York, NY, Mar 21

2011 Raymond and Beverly Sackler USA-UK Scientific Forum: Neuroscience and the Law, Irvine, CA, Mar 2-3

2011 Motivation and Reward Studies in Social Neuroscience, Yonsei University, College of Medicine, Seoul, Korea, Feb 25

2010 The Neurobiology of Political Violence: New tools, New Insights Conference, Silver Springs, MD, Dec 1-2

2010 Southern Economic Association, Atlanta, GA, Nov 20-22

2010 Adolescent Psychiatry Meeting, New York, NY, Oct 28-29

2010 Dean's Distinguished Lecture, University of Arkansas for Medical Sciences, Little Rock, AR, Oct 12

2010 Chinese-American Kavli Frontiers of Science Symposium, Irvine, CA, Sept 23-24

2010 Computational Neuroscience Meeting, San Antonio, TX, Jul 27-28

2010 Mount Sinai Brain Institute Translational Neuroscience Seminar Series, New York, NY, Jun 17

2010 NCCAM Advisory Council Strategic Planning Meeting, Bethesda, MD, Jun 3

2010 Biological Sciences Advising Center, University of Texas at Austin, TX, Apr 28

2010 7th Annual Skoll World Forum, University of Oxford, Oxford, UK, Apr 14-16

2010 UC Davis Neuroscience Seminar Series, Davis, CA, Apr 8

2010 The Interventional Centre, Rikshospitalet, Oslo, Norway, Mar 25

2010 Yonsei University, College of Medicine, Seoul, Korea, Feb 26 - 27

2010 Grand Rounds, University of Texas Southwestern Medical Center, Dallas, TX, Jan 20

2010 NIDA Exploring Interconnections Workshop, Bethesda, MD, Jan 13

2009 Neuroscience Research Seminar, John Hopkins University, Baltimore, MD, Dec 10

2009 American College of Neuropsychopharmacology, Hollywood, FL, Dec 8

2009 Mind Science Foundation, San Antonio, TX, Oct 26

2009 Tools for Recognizing Unconscious Signals of Trustworthiness Workshop, Arlington, VA, Sept 29

2009 Oregon Health and Science University, Portland, OR, Aug 25

2009 International Society for the Study of Personality Disorders, New York, NY, Aug 21

2009 Wellcome Trust Centre for Neuroimaging Brain Meeting Series, London, UK, Jul 24

2009 NIH Roadmap Meeting on the Science of Behavior Change, Bethesda, MD, Jun 15-16

2009 Max Planck Institute for Human Development Colloquium Series, Center for Lifespan Psychology, Berlin, Germany, May 3-7

2009 Neuroeconomics Summit (*Guest of Al Gore*), New York, NY, May 1

2009 Psychogenic Movement Disorders and Related Conversion Disorders Conference, Washington, DC, Apr 3

2009 Central Virginia Chapter of the Society for Neuroscience Symposium, Richmond, VA, Mar 12-13

2009 Plenary Grand Rounds, Neuroscience, Medical University of South Carolina, Charleston, SC, Mar 4-5

- 2009 Computational and Systems Neuroscience Meeting (Cosyne09), Salt Lake City, UT, Feb 26-Mar 1
 2009 American Neuropsychiatric Association, San Antonio, TX, Feb 19-22
- 2008 Roadmap to Define Neurobiological Mechanisms of Political Conflict, Arlington, VA, Dec 15-16
 2008 Trilience Conference, California Institute of Technology, Pasadena, CA, Nov 18-19
 2008 AAMC, Group on Institutional Advancement, San Antonio, TX, Nov 2
 2008 Neuroimaging in Obesity Research, National Institutes of Health, Bethesda, MD, Oct 27
 2008 Weill Medical College of Cornell University, New York, NY, Sept 25
 2008 Forum on Conflict of Interest in Academe, Mayo Clinic, Rochester, MN, Sept 14-16
 2008 Wellcome Trust Centre for Neuroimaging, Institute of Neurology, University College London, London, UK, Jul 21-25
 2008 SRC/NSF/ITRS Forum on 2020 Computing: Virtual Immersion Architectures, University of California, Santa Cruz, CA, Jul 10-11
 2008 Institute of Medicine's Forum on Neuroscience and Nervous System Disorders Workshop, "From Molecules to Mind: Challenges for the 21st Century," Washington DC, Jun 25
 2008 Imaging Imagining-National Institute of Mental Health and the National Institute on Drug Abuse Workshop, Rockville, MD, Feb 20-21
 2008 Edwin Gildea Lecture, Dept. of Psychiatry, Washington University, St. Louis, MO, Feb 12
 2008 University of Arizona Colloquium Series, Psychology Department, Tucson, AZ, Feb 1
 2008 Neuroeconomics Decision Making and the Brain Symposium, New York University, New York, NY, Jan 11-13
- 2007 The Behavior and Experimental Economics Workshop, Department of Economics, Harvard University, Cambridge, MA, Dec 11
 2007 Massachusetts Institute of Technology, Cambridge, MA, Nov 30
 2007 NINDS - A Blue Sky Vision for the Future of Neuroscience: Expert Panel, Washington, DC, Nov 13-14
 2007 37th Annual Society for Neuroscience Meeting, San Diego, CA, Nov 3-7
 2007 Keynote Speaker, Computational Cognitive Neuroscience Conference, San Diego, CA, Nov 1
 2007 Annual Keck Center Research Conference, League City, TX, Oct 11-12
 2007 NIDA Science Meeting- Social Neuroscience: Developing More Powerful Behavioral Interventions, Oct 1-2
 2007 Gordon Research Conference, Salve Regina University, Newport, RI, Jul 1-6
 2007 International Society for New Institutional Economics Conference, Reykjavik, Iceland, Jun 21-23
 2007 Reciprocity and Influence, AAMC, Washington, DC, Jun 12
 2007 Cognitive Neuroscience Society Annual Meeting, New York, NY, May 5-6
 2007 University of Alabama at Birmingham, Birmingham, AL, Apr 29-May 1
 2007 Computational Neuroscience Frontiers Meeting, Wellcome Trust, London, UK, Apr 16-17
 2007 Winter Conference on Brain Research, Snowmass Village, CO, Jan 22-Feb 2

MENTORSHIP: PHD CANDIDATES & POSTDOCTORAL FELLOWS

Ph.D. Students (1996-present): Josepheen Cruz; Xu Cui; David Eagleman; Amnah Eltahir; Ann Harvey; Gecia Hermsdorff; Richard King; Misha Koshelev; Jian Li; James Lu; Samuel McClure; Damon Tomlin; Ting Xiang

Postdoctoral Fellows (2000-present): Woo-Young Ahn, Ph.D., Zimbul Albo, Ph.D., Phillip Baldwin, Ph.D., Seth Batten, Ph.D., Meghana Bhatt, Ph.D., Srinivasa Chakravarthy, Ph.D., Pearl Chiu, Ph.D., Kimberlee D'Ardenne, Ph.D., Jonathan Downar, Ph.D., Geoffrey Goodhill, Ph.D., Xiaosi Gu, Ph.D., Santosh Helekar, Ph.D., Sébastien Héту, Ph.D., Kevin Hill, Ph.D., Andreas Hula, Ph.D., Amin Kayali, Ph.D., Brooks King-Casas, Ph.D., Ulrich Kirk, Ph.D., Kenneth Kishida, Ph.D., Brie Linkenhoker, Ph.D., Laura Lomax-Bream, Ph.D., Yi Luo, Ph.D., Brandi Mattson, Ph.D., Tobias Nolte; Ph.D., Ignacio Saez, Ph.D., Carla Sharp, Ph.D., Alireza Soltani, Ph.D., Alec Solway, Ph.D., Lane Strathearn, Ph.D., Iris Vilares, Ph.D., Michael Wesley, Ph.D., Michael Wiest, Ph.D., Dongni Yang, Ph.D.

BOOKS

Montague, P. R. (2006). *Why Choose This Book?* (1st ed.). Dutton Press.

PUBLICATIONS (see also [Publication List](#))

Hula, A., Moutoussis, M., Will, G.-J., Kokorikou, D., Reiter, A., Ziegler, G., NSPN Consortium, Bullmore, E., Jones, P., Goodyer, I., Fonagy, P., Montague, P. R., & Dolan, R. J. (2020). Multi-Round Trust Game Quantifies Inter-Individual Differences in Social Exchange from Adolescence to Adulthood. *PsyArXiv Preprints*, 1-20. [PDF](#)

Bang, D., Kishida, K. T., Lohrenz, T., White, J. P., Laxton, A. W., Tatter, S. B., Fleming, S. M., & Montague, P. R. (2020, in press). Sub-Second Dopamine and Serotonin Signalling in Human Striatum During Perceptual Decision-Making. *Neuron*, 1-38.

Jones, O. D., Montague, P. R., & Yaffe, G. (2020). Detecting Mens Rea in the Brain. *169 University of Pennsylvania Law Review (2020 Forthcoming)*. [PDF](#)

Huang, Y. L., Fonagy, P., Feigenbaum, J., Montague, P. R., Nolte, T., & London Personality and Mood Disorder Research Consortium. (2020). Multidirectional Pathways between Attachment, Mentalizing, and Posttraumatic Stress Symptomatology in the Context of Childhood Trauma. *Psychopathology*, 1-11. [PDF](#)

- Kappes, A., Harvey, A. H., Lohrenz, T., Montague, P. R., & Sharot, T. (2020). Confirmation Bias in the Utilization of Others' Opinion Strength. *Nature Neuroscience*, 23(1), 130-137. [DOI](#)
- Wendt, L. P., Wright, A. G. C., Pilkonis, P. A., Nolte, T., Fonagy, P., Montague, P. R., Benecke, C., Krieger, T., & Zimmermann, J. (2019). The Latent Structure of Interpersonal Problems: Validity of Dimensional, Categorical, and Hybrid Models. *Journal of Abnormal Psychology*, 128(8), 823-839. [PDF](#)
- Solway, A., Lohrenz, T., & Montague, P. R. (2019). Loss Aversion Correlates with the Propensity to Deploy Model-Based Control. *Frontiers in Neuroscience*, 13, 915. [PDF](#)
- Kirk, U., Pagnoni, G., Hétu, S., & Montague, P. R. (2019). Short-Term Mindfulness Practice Attenuates Reward Prediction Errors Signals in the Brain. *Scientific Reports*, 9, 6964. [PDF](#)
- Kishida, K. T., De Asis-Cruz, J., Treadwell-Deering, D., Liebenow, B., Beauchamp, M. S., & Montague, P. R. (2019). Diminished Single-Stimulus Response in vmPFC to Favorite People in Children Diagnosed with Autism Spectrum Disorder. *Biological Psychiatry*, 145, 174-184. [PDF](#)
- Montague, P. R., Lohrenz, T., White, J. P., Moran, R. J., & Kishida, K. T. (2019). Random Burst Sensing of Neurotransmitters. *bioRxiv Preprints*, 1-15. [PDF](#)
- Euler, S., Nolte, T., Constantinou, M., Griem, J., Montague, P. R., Fonagy, P., & Personality and Mood Disorders Research Network. (2019). Interpersonal Problems in Borderline Personality Disorder: Associations with Mentalizing, Emotion Regulation, and Impulsiveness. *Journal of Personality Disorders*, 1-17. [PDF](#)
- Luo, Y., Hétu, S., Lohrenz, T., Hula, A., Dayan, P., Ramey, S. L., Sonnier-Netto, L., Lisinski, J., LaConte, S., Nolte, T., Fonagy, P., Rahmani, E., Montague, P. R., & Ramey, C. (2018). Early Childhood Investment Impacts Social Decision-Making Four Decades Later. *Nature Communications*, 9(1), 4705. [PDF](#)
- Hula, A., Vilares, I., Lohrenz, T., Dayan, P., & Montague, P. R. (2018). A Model of Risk and Mental State Shifts During Social Interaction. *PLOS Computational Biology*, 14(2), e1005935. [PDF](#)
- Moran, R. J., Kishida, K. T., Lohrenz, T., Saez, I., Laxton, A. W., Witcher, M. R., Tatter, S. B., Ellis, T. L., Phillips, P. E., Dayan, P., & Montague, P. R. (2018). The Protective Action Encoding of Serotonin Transients in the Human Brain. *Neuropsychopharmacology*, 43(6), 1425-1435. [PDF](#)
- Montague, P. R., & Kishida, K. T. (2018). Computational Underpinnings of Neuromodulation in Humans. *Cold Spring Harbor Symposia on Quantitative Biology*, 83, 71-82. [PDF](#)
- Montague, P. R. (2018). Dorcas Cummings Lecture: Connecting Mind and Brain in a Computational Age. *Cold Spring Harbor Symposia on Quantitative Biology*, 83, 229-236. [PDF](#)
- Montague, P. R. (2018). Computational Phenotypes Revealed by Interactive Economic Games. In A. Anticevic & J. D. Murray (Eds.), *Computational Psychiatry* (pp. 273-292). Academic Press. [PDF](#)
- Solway, A., Gu, X., & Montague, P. R. (2017). Forgetting to Be Addicted: Reconsolidation and the Disconnection of Things Past. *Biological Psychiatry*, 82(11), 774-775. [PDF](#)
- Luo, Q., Ma, Y., Bhatt, M. A., Montague, P. R., & Feng, J. (2017). The Functional Architecture of the Brain Underlies Strategic Deception in Impression Management. *Frontiers in Human Neuroscience*, 11, 513. [PDF](#)
- Hétu, S., Luo, Y., D'Ardenne, K., Lohrenz, T., & Montague, P. R. (2017). Human Substantia Nigra and Ventral Tegmental Area Involvement in Computing Social Error Signals During the Ultimatum Game. *Social Cognitive and Affective Neuroscience*, 12(12), 1972-1982. [PDF](#)
- Montague, P. R., & Dayan, P. (2017). Neurobiological Modeling: Squeezing Top Down to Meet Bottom Up. In W. Bechtel & G. Graham (Eds.), *A Companion to Cognitive Science* (pp. 526-541). [DOI](#)
- Vilares, I., Wesley, M. J., Ahn, W. Y., Bonnie, R. J., Hoffman, M., Jones, O. D., Morse, S. J., Yaffe, G., Lohrenz, T., & Montague, P. R. (2017). Predicting the Knowledge-Recklessness Distinction in the Human Brain. *Proceedings of the National Academy of Sciences, USA*, 114(12), 3222-3227. [PDF](#)
- Solway, A., Lohrenz, T., & Montague, P. R. (2017). Simulating Future Value in Intertemporal Choice. *Scientific Reports*, 7, 43119. [PDF](#)
- Lohrenz, T., Kishida, K. T., & Montague, P. R. (2016). Bold and Its Connection to Dopamine Release in Human Striatum: A Cross-Cohort Comparison. *Philosophical Transactions of the Royal Society B: Biological Sciences*, 371(1705), 20150352. [PDF](#)
- Montague, P. R., Kishida, K. T., Moran, R. J., & Lohrenz, T. M. (2016). An Efficiency Framework for Valence Processing Systems Inspired by Soft Cross-Wiring. *Current Opinion in Behavioral Sciences*, 11, 121-129. [PDF](#)

- Koffarnus, M. N., Johnson, M. W., Thompson-Lake, D. G. Y., Wesley, M. J., Lohrenz, T., Montague, P. R., & Bickel, W. K. (2016). Cocaine-Dependent Adults and Recreational Cocaine Users Are More Likely Than Controls to Choose Immediate Unsafe Sex over Delayed Safer Sex. *Experimental and Clinical Psychopharmacology*, 24(4), 297-304. [PDF](#)
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