

CURRICULUM VITAE**Mark D'Esposito, MD****Office Address**

University of California, Berkeley
 Helen Wills Neuroscience Institute
 132 Barker Hall
 Berkeley, CA 94720-3192
 email despo@berkeley.edu
 website despolab.berkeley.edu

Education

1979-1983	B.S.	University of Rochester (Neuroscience)
	B.A.	University of Rochester (Interdisciplinary Studies)
1983-1987	M.D.	SUNY Health Science Center at Syracuse College of Medicine

Postgraduate Training

1987-1988	<i>Intern in Medicine,</i> Nassau County Medical Center, East Meadow, NY
1988-1991	<i>Resident in Neurology,</i> Boston University Medical Center, Boston, MA
1990-1991	<i>Chief Resident in Neurology</i> Boston University Medical Center, Boston, MA
1991-1992	<i>Javits Memory Disorders Fellow</i> Memory Disorders Research Center, Boston VA Medical Center, Boston University Medical Center, Boston, MA
1991-1993	<i>Behavioral Neurology Fellow</i> Braintree Rehabilitation Hospital, Boston VA Medical Center, Boston University Medical Center, Boston, MA

Faculty Appointments

1993-1999	Assistant Professor of Neurology Department of Neurology University of Pennsylvania School of Medicine
1999-2000	Associate Professor of Neurology Department of Neurology University of Pennsylvania School of Medicine
1999-2022	Professor of Neuroscience and Psychology Helen Wills Neuroscience Institute & Dept. of Psychology University of California, Berkeley

2022-present Distinguished Professor of Neuroscience and Psychology
Helen Wills Neuroscience Institute & Dept. of Psychology
University of California, Berkeley

Other Positions

2002-present Staff Neurologist
Cognitive Neurology and Neurovascular Clinic
Center for Rehabilitation and Extended Care
Northern California VA Health Care System, Martinez, CA

2019-2022 Director, Wheeler Laboratory for Advanced Brain Studies
University of California, Berkeley

2000-2020 Founding Director, Henry H. Wheeler, Jr. Brain Imaging Center
University of California, Berkeley

1998-2000 Chief, Cognitive Neurology Division
Department of Neurology, University of Pennsylvania

Secondary Faculty and Clinical Appointments

2000-present Adjunct Professor of Neurology
Dept. of Neurology, University of California, San Francisco

1999-present Staff Neurologist
Center for Rehabilitation and Extended Care
Northern California VA Health Care System

2005-present Visiting Scientist
Center for Brain Health
School of Behavioral and Brain Sciences
UT Dallas

1998-2000 Associate Scientist
Rotman Research Institute, University of Toronto

1997-2000 Adjunct Scientist
Moss Rehabilitation Research Institute, Philadelphia, PA

1996-1998 Visiting Assistant Professor of Psychology
Princeton University

Specialty Certification 1992 Diplomate, American Board of Psychiatry and Neurology

Medical Licensure **California, Massachusetts, Pennsylvania, Rhode Island**

Awards, Honors, and Honorary Lectures

1981	Rochester Prize Scholarship University of Rochester
1983	The Professor Donald R. Charles Scholarship University of Rochester
1984	Ciba-Geigy Award for Outstanding Community Service SUNY Syracuse, College of Medicine
1985	Henderson Student Award, American Geriatrics Society Honorable Mention SUNY Syracuse, College of Medicine
1987	Class President SUNY Syracuse, College of Medicine
1987	Upjohn Achievement Award SUNY Syracuse, College of Medicine
1991	Javits Research Fellowship Award National Institute of Health
1992	The Stanley Cobb Award The Boston Society of Neurology and Psychiatry
1993	K08 Career Development Award National Institute of Health
1995	Resident's Teacher of the Year Award Department of Neurology, University of Pennsylvania
1996	Dean's Award for Excellence in Basic Science Teaching University of Pennsylvania School of Medicine
1996	University of Pennsylvania School of Medicine Class of 1999 Excellence in Teaching Award
1996, 1999	Philadelphia Magazine, "Top Doctor"
1996-2011	The Best Doctors in America
1997	Paul Beeson Physician Faculty Scholar in Aging Research
1997	University of Pennsylvania School of Medicine Class of 2000 Excellence in Teaching Award

1999	Norman Geschwind Prize in Behavioral Neurology American Academy of Neurology
1999	Elected Member, American Neurological Association
2005	Swammerdam Lecture KU Medical Center, Amsterdam
2005	Pinckney J. Harmon Memorial Lecturer Cajal Club
2006	Frank Elliott Lecture in Cognitive Neuroscience University of Pennsylvania School of Medicine
2007	Alavi Dabiri Lecture Mental Retardation & Developmental Disabilities Research Center, Children's Hospital of Philadelphia
2009-11	Chair, Behavioral Neurology Section American Academy of Neurology
2009-11	President, Society for Behavioral and Cognitive Neurology
2008-09	President, Organization for Human Brain Mapping
2008	Keynote Lecture Organization for Human Brain Mapping Meeting
2009	Elected to the Neurosciences Research Program The Neurosciences Institute
2013	Elected Fellow American Neurological Association
2015	Distinguished Fellow SAGE Center for the Study of the Mind University of California, Santa Barbara
2016	Elected Fellow American Academy of Neurology
2017	Appointed Section Head (Cerebrovascular Disease), Faculty1000
2017	Elected Fellow American Association for the Advancement of Science
2018	Elected Member Sigma Xi (Scientific Research Honor Society)
2020	Neal E. Miller Memorial Lecture Department of Psychology, Yale University
2020	Killam Lecture Montreal Neurological Institute, McGill University
2022	Fred Kavli Distinguished Career Contributions Award Cognitive Neuroscience Society

Memberships in Professional and Scientific Societies

American Academy of Neurology, 1990-present
American Association for the Advancement of Science, 2012-present
American Neurological Association, 1999-2017
Cognitive Neuroscience Society, 1994-present
Memory Disorders Research Society, 1993-2022
Organization for Human Brain Mapping, 1995-2021
Sigma Xi, 2018-present
Society for Behavioral and Cognitive Neurology, 1991-present
Society for Neuroscience, 1993-present

Ad-Hoc Journal Reviewer

American Journal of Psychiatry
Annals of Neurology
Archives of Neurology
Behavioral and Brain Sciences
Biological Psychiatry
Brain
Brain & Cognition
Brain Imaging and Behavior
Cerebral Cortex
Cognitive, Affective and Behavioral Neuroscience
Cognitive Brain Research
Cortex
Current Biology
Current Opinions in Neurobiology
Epilepsy and Behavior
European Journal of Neuroscience
Experimental Brain Research
Frontiers in Neuroscience
Hippocampus
Human Brain Mapping
Journal of the American Medical Association (JAMA)
Journal of the American Medical Association: Neurology
Journal of the American Medical Association
Journal of Cognitive Neuroscience
Journal of the International Neuropsychological Society
Journal of Neuroimaging
Journal of Neurophysiology
Journal of Neuroscience
Journal of Psychopharmacology
Magnetic Resonance in Medicine

Nature
Nature Communications
Nature Human Behavior
Nature Neuroscience
Nature Reviews Neuroscience
Neurobiology of Aging
NeuroCase
NeuroImage
Neurology
Neuron
Neuropsychologia
Neuropsychology
Neuropsychopharmacology
Neurorehabilitation and Neural Repair
Neuroscience
Proceedings of the National Academy of Sciences
Psychobiology
Psychological Science
Psychonomic Bulletin and Review
Psychopharmacology
Psychophysiology
Public Library of Science Biology
Public Library of Science One
Quarterly Journal of Experimental Psychology
Science
Scientific Reports
Stroke
Trends in Neuroscience
Trends in Cognitive Science

Editorial Positions

2000-present	Editor, Oxford University Press, Psychology Series
1999-present	Editorial Board, Human Brain Mapping
1998-present	Editorial Board, NeuroCase
2003-2020	Editor-In-Chief, Journal of Cognitive Neuroscience
2012-2019	Editorial Advisory Board, Current Directions in Psychological Science
1998-2008	Editorial Board, Neurorehabilitation and Neural Repair
2007-2012	Editorial Board, Neuropsychology
2002-2006	Editorial Board, Journal of Neurophysiology

2001-2006	Contributing Editor, Science of Aging Knowledge Environment (SAGE KE – Science online)
2000-2005	Editorial Board, Neuropsychologia
1999-2005	Editorial Board, Epilepsy and Behavior
1998-2003	Editor, Journal of Cognitive Neuroscience

Scientific Advisory Boards/Consulting Positions

2023-present	Administrative Core, Ann S. Bowers Women's Brain Health Initiative
2020-present	Scientific Advisory Board, Neuro42, Inc.
2019-present	MRI Executive Advisory Committee, University of Texas, Dallas, BrainHealth Imaging Center.
2018-present	Scientific Advisory Board, The Brain Health Project
2022-present	Faculty Opinions H1Connect, Specialty Lead (Cerebrovascular Disease)
2013-present	Scientific Advisory Board, Brainguard Technologies, Inc.
2007-present	Scientific Advisory Board, NeuroScouting, Inc.
2020-2023	Chief Scientific Officer, NeuroHealth Technologies, Inc.
2017-2023	Chief Scientific Officer, Global Neurohealth Ventures
2017-2022	Faculty of 1000, Section Head (Cerebrovascular Disease)
2021-2022	Consultant, Promaxo, Inc.
2020	External Advisory Committee, Academic Senate Program Review, Department of Psychology, UCLA.
2019-2020	Scientific Advisory Board, Halo Neuroscience, Inc.
2006-2017	Scientific Advisory Board, NeuroFocus, Inc.
2019-2020	ZiF Research Group, Cognitive Behavior of Humans, Animals and Machines Center for Interdisciplinary Research, University of Bielefeld, Germany
2015	External Advisory Committee, Department of Psychological and Brain Sciences Johns Hopkins University
2010-2015	Board of Directors, NIMH Summer Institute for Cognitive Neuroscience
2012-2013	Scientific Advisory Panel, NIH/NSF Neural Imaging Study Steering Committee Stroke Priorities Research Panel National Institute of Neurological Disorders and Stroke (NINDS)

2003-2013	Advisory Council of the Executive Committee International Association for the Study of Attention and Performance
2000-2013	Scientific Review Committee ,American Health Assistance Foundation Alzheimer's Disease Research
2013	External Advisory Committee, Beckman Institute for Advanced Science and Technology University of Illinois at Urbana-Champaign
2013	Study Group for Clinical Translation of DTI/fMRI, American Society for Neuroradiology
2000-2010	National Scientific Advisory Council, American Federation for Aging Research
2003-2008	Faculty of 1000, Biology; Cognitive Neuroscience
1998-2007	Scientific Advisory Board, National Functional MRI Data Center
1996-2006	Executive Committee, Society of Behavioral and Cognitive Neurology
1996-2006	Executive Committee, Behavioral Neurology Section, American Academy of Neurology

Principal Investigator of Grants

Past

University of Pennsylvania Research Foundation, "Functional Neuroimaging Studies of Working Memory", 7/94-7/95, \$5400.

NIH-Alzheimer's Disease Center, University of Pennsylvania, "Working Memory in Alzheimer's Disease", 7/94-7/95, \$25,000.

McDonnell-Pew Cognitive Neuroscience Award, "Cognitive Studies and Functional Neuroimaging in Working Memory", 9/94-2/97, \$60,000.

McCabe Fund, "Working Memory in Human Brain Damage", 9/94-9/95, \$17,000.

American Federation for Aging Research, "Working Memory in Normal Human Aging", 7/95-6/96, \$30,000.

NIH (NINDS) – Clinical Investigator Development Award -K08, "Working Memory in Human Brain Damage", 6/95-6/00, \$450,000.

Charles A. Dana Foundation, "Functional Neuroimaging Studies of Memory Changes in the Healthy Elderly", 7/96-6/99, \$250,000.

NIH (NIA) - R01, "Working Memory in Parkinson's Disease and Aging", 10/96-10/01, \$1,800,000.

American Federation of Aging Research, "Functional Neuroimaging Studies of Working Memory in Normal Human Aging", 7/97- 6/02, \$450,000

NIH (NIDA) – R01, "Drug Studies of Dopamine and Prefrontal Function", 4/98- 3/02, \$800,000.

American Parkinson's Disease Association, "Defining the Cognitive Enhancing and Impairing Effects of Dopaminergic Medication in Parkinson's Disease", 9/04-8/05, \$50,000

NIH (NIMH) – R01, "Working Memory and Prefrontal Cortex", 7/01-6/06, \$1,800,000.

Merck, Inc. "Validation of Pharmacological fMRI", 12/04-12/06, \$100,000.

NIH (NIMH) – P20 "fMRI Research via Database Mining, Management", subproject to Dartmouth College Award (PI Gazzaniga), 4/05 – 6/07, \$200,000.

Dana Foundation, "Arts Education And Its Impact On The Brain And Enhanced Learning In Other Knowledge Domains", 9/04-12/07, \$200,000

NIH (NIA) – R01, "Aging and Memory: fMRI Studies of Component Processes", 9/03- 8/08, \$2,300,000.

NIH (NIMH) – R03, "fMRI Studies of Working Memory and Motivation", 4/06-3/08, \$100,000.

NIH (NINDS) – P01, "Behavioral Neuroscience and Stroke, 9/02-8/07, \$6,394,843

Merck, Inc. "Development of Pharmacological fMRI", 1/09-12/10, \$206,000.

National Science Foundation Major Research Instrumentation Grant, "Acquisition of a Siemens MAGNETOM Trio A Tim System, 9/1/08, \$1,431,462

NIH (NIMH) – R01, "Continued Development and Maintenance of the Neuroimaging in Python Project", 7/07-4/10, \$1,000,000.

Veterans Administration, Merit Award (B4605I), "Plasticity in Brain Networks to Enhance Cognitive Rehabilitation", 9/07-8/10, \$750,000

NIH (NIDA) – R01, "Frontostriatal Modulation of Dopaminergic Function", 4/06- 2/12, \$2,172,928.

NIH (NIA) – R01, "A Brain-Based Approach to Enhancing Executive Functions in Healthy Aging", 9/09- 8/12, \$805,875.

NIH (NIMH) – R01, "Working Memory, Cognitive Control, and Prefrontal Cortex", 7/06-6/12, \$1,864,628.

NIH (NINDS) – P01, "Frontal Cortex and Executive Function", 3/08-2/13, \$6,656,180.

Aptima, Inc. "New Mobile Game-Based Application for Reliable Neurocognitive Assessment", \$44,777, 8/31/12-3/30/13.

Veterans Administration, Merit Award (B74671), "Neural Bases of Cognitive Rehabilitation for Brain Injury", 2/11-1/15, \$1,100,000

Abbot Laboratories/University of Illinois, "The Role of Dopamine in Obesity, Food-Choice and Memory-Related Processes", 5/13-5/14, \$120,426.

Peder Sather Center for Advanced Study, University of California, Berkeley, "Development of Episodic Memory Processes, 8/13-2/14, \$15,000

NIH (NIMH) R03, "Investigating Brain Network Dynamics with Simultaneous TMS-FMRI ", 4/14-3/16, \$156,688.

NIH (NIMH) R01, "Working Memory and Prefrontal Cortex", 7/12-6/17, \$1,858,722.

NIH (NINDS) R01, "Mechanisms of Neuroplasticity in Functional Brain Networks 2/13-12/17, \$1,665,896

NIH (NIDA) R01, "Dopamine and Frontostriatal Function" 9/13-6/18, \$3,378,264

NIH (NIMH) R01, "Neural Dynamics of Human Working Memory Networks" 9/16-7/21, \$2,609,329

Current

NIH (NIMH) R01, Principal Investigator, "Working Memory, Cognitive Control & Prefrontal Cortex", 6/18-5/23, \$2,470,000

Pac-12 Student-Athlete Health and Well-Being Grant Program, Principal Investigator "Head Trauma: A Biomarker For Concussion and Recovery in Student-Athletes" 7/20-7/23, \$372,868

VA Research Administration Merit Award, Co-Principal Investigator (PI Kayser)
"Developing Behavioral and Neuroimaging Predictors of Stroke Recovery"
9/18-7/23, \$1,100,000

NIH (NIMH) R01, Collaborator (P.I. Ellman), "Maternal Inflammation During Pregnancy: Clinical and Neurocognitive Outcomes in Adult Offspring," 7/19-6/24, \$2,500,000

Berkeley Collegium Grant Program, Principal Investigator, "ULAB Research Opportunity Program," 8/22-8/24, \$15,000

Noyce Initiative UC Partnerships in Computational Transformation Program, Principal Investigator, "The University of California Women's Brain Initiative," 10/22-10/23, \$60,850

Marcus Program in Precision Medicine, George and Judy Marcus Innovation Fund, UCSF, Co-Principal Investigator, "Precision Medicine for Chronic Pain: Personalized Brain Network Modulation for Chronic Neuropathic Pain Syndromes ", 4/23-4/24, \$248,170.

Grant Reviewer

Committee Member

NIH Study Section, IFCN-8 Cognitive Neuroscience (1998-2000)
American Federation for Aging Research (2000-2010)
American Health Assistance Foundation (2001-2014)

Ad-hoc Reviewer

Alzheimer's Association
Dana Foundation
Department of Defense
Hertie Foundation (Germany)
Medical Research Council of Canada
National Institute of Health
National Science Foundation
Ontario Research and Development Challenge Fund
Paul G. Allen Family Foundation
The Wellcome Trust, London (England)
Veteran's Administration Research Service

Academic Committees

University of California, Berkeley (2000-present)

Academic Integrity Committee (Member, 2018-present)
Berkeley Bioengineering Medical Advisory Board (2018-present)
Campus Promotions Ad-hoc Review Committee
Chancellor's Advisory Committee on Biology (2003-2008)
Department of Psychology Faculty Search Committees (Member, 2007, 2015, 2017)
Department of Psychology/HWNI Developmental Neuroscience Search Committee (Chair, 2005)
Department of Psychology Gene x Environment Search Committee, (Chair, 2006)
Department of Psychology Merit Review/Promotion Committees
Department of Psychology Awards Committee
Institute for Social and Personal Research Advisory Board
Helen Wills Neuroscience Institute Executive Committee (2000-2020)
Helen Wills Neuroscience Institute Faculty Search Committees (Member, 2015, 2017)
Institute for Human Development External Review (2007)
Integrative Biology Faculty Search Committee (2002)
Joint Neuroscience/Public Health Search Committee (2003)
Joint Neuroscience/Vision Science Search Committee (2004)
Neuroscience Graduate Program Admissions Committee
Neuroscience and Public Health Search Committee (Chair, 2003)
Faculty Athletics Council (Member, 2015-2018; Chair, 2018-present)
University Athletic Board (Member, 2018-2022)

University of Pennsylvania (1993-1999)

Housestaff Committee, Hospital of the University of Pennsylvania
Residency Selection Committee, Department of Neurology
Divisional Committee on Education, Departments of Neurology and Neuroscience
Residency Education Committee, Department of Neurology

Integrated Neurosciences Course Review Committee
Medical School Admissions Committee (Interviewer)
Curriculum 2000, Brain & Behavior Module Committee
Medical Student Research Awards Committee
Medical School Faculty Awards Committee
University of Pennsylvania Cognitive Neuroscience Task Force

Teaching Responsibilities

University of California, Berkeley (2000-present)

Primary Instructor

PSY117	Human Neuropsychology (undergraduate)
PSY118	Brain Imaging and Behavior (undergraduate)
PSY24	The Shattered Mind (freshman seminar)
PSY290	Clinical Neuroscience (graduate)
PSY214	Functional MRI Methodology (graduate)

Guest lecturer

PSY100A	Introduction to Psychology (undergraduate)
PSY110	Biological Psychology (undergraduate)
CS100	Introduction to Cognitive Science (undergraduate)
MCB135K	Physiology of Aging (undergraduate)
IB245L	Human Neuroanatomy Lab (undergraduate)
MCB160	Introduction to Neurobiology (undergraduate)
MCB260	Principles of Neuroscience (graduate)

University of Pennsylvania (1993-1999)

ID110 Integrative Neuroscience
INSC 590 Systems Neuroscience Core Course
INSC 616 Recovery After Neural Injury
INSC 590 Neuroscience Lab
Neurology 200 clerkship
Pathology 200 (neuropathology)
Neurology Attending Rounds
Cognitive Neurology Clinic
Neurology Resident Clinic
Cognitive Neurology Conference

Graduate Student (Committee Member)

University of Pennsylvania (1993-1999)

Lisa Zorilla, PhD	Psychology, 1996
Janice Hinkle, PhD	Nursing, 1999
Kevin Quinn, PhD	Psychology, 1999
Beau Ances, MD PhD	Neuroscience, 2000

University of California, Berkeley (2000-present)

Jeffrey Thompson	Vision Science, 2004
Audrey Duarte, PhD	Neuroscience, 2004
Emiliana Pellouchoud, PhD	Psychology, 2004
Kathleen Hansen, PhD	Psychology, 2006
Tim Verstynen, PhD	Psychology, 2006
Neil Albert, PhD	Psychology, 2006
Maryam Soltani, PhD	Psychology, 2007
Johanna Zumer, PhD	Bioengineering, 2007
Brian Pasley, PhD	Neuroscience, 2008
Elena Allen, PhD	Neuroscience, 2008
Ahalya Viswanathan, PhD	Vision Science, 2008
Sangita Dandekar, PhD	Vision Science, 2008
Flavio Oliveira, PhD	Psychology, 2009
Beth Mormino, PhD	Neuroscience, 2011
Peter Butcher, PhD	Psychology, 2014
Katelyn Arnemann, PhD	Neuroscience, 2018
Kelly Byrne, PhD	Vision Science, 2019
Daniel Kramer, PhD	Molecular & Cellular Biology, 2020
Melissa Newton, PhD	Neuroscience, 2020
Liz Lawler, PhD	Vision Science, 2021

Outside Universities

Luc Cornette	Neurophysiology, University of Leuven, Belgium, 2000
James Rowe	Neuroscience, University College London, UK, 2002
Amy Brodtmann	Medicine, University of Melbourne, Australia, 2004
Eli Merriam	Neuroscience, University of Pittsburgh, 2006
Christine Stelzel	Psychology, Humboldt University, Berlin, Germany, 2008
Douglas Garrett	Psychology, University of Toronto, 2011

Graduate Student (Thesis Advisor)

University of Pennsylvania (1993-2000)

1. Eric Zarahn	Neuroscience	(1997)
2. Geoffrey Aguirre	Neuroscience	(1998)
3. Jason Druzgal	Neuroscience	(2000)

University of California, Berkeley (2000-present)

1. Sasha Gibbs	Psychology	(2005)
2. Susan Landau	Psychology	(2005)
3. Felice Sun	Biomedical Engineering	(2005)
4. Joe Degutis	Psychology	(2006)
5. Dan Handwerker	Biomedical engineering	(2006)
6. Margaret Sheridan	Psychology	(2007)
7. Jesse Rissman	Psychology	(2007)
8. Brian Miller	Neuroscience	(2008)
9. Emily Jacobs	Neuroscience	(2010)
10. Amy Finn	Psychology	(2010)
11. Drew Fegen	Neuroscience	(2012)
12. Taraz Lee	Psychology	(2012)
13. Caterina Gratton	Neuroscience	(2013)
14. Jason Vytlacil	Psychology	(2015)
15. Courtney Gallen	Neuroscience	(2016)
16. Maxwell Bertolero	Psychology	(2017)
17. Daniel Bliss	Neuroscience	(2017)
18. Elizabeth Lorenc	Neuroscience	(2018)
19. Justin Riddle	Psychology	(2018)
20. Daniel Toker	Neuroscience	(2019)
21. Adam Eichenbaum	Neuroscience	(2020)
22. Jacob Miller	Neuroscience	(2021)
23. Daniel Lurie	Psychology	(2022)

Post-doctoral Fellows

1. Sharon McDowell MD (Ohio State) completed 1998
Assistant Professor
Department of Rehabilitation Medicine
University of Michigan
2. Sharon Thompson-Schill, PhD (Stanford) completed 1999
Professor
Department of Psychology
University of Pennsylvania
3. Daniel Kimberg, PhD (Carnegie Mellon) completed 1999
Research Scientist
Google
4. Bradley Postle, PhD (MIT) completed 2000
Professor
Department of Psychology
University of Wisconsin, Madison
5. Bart Rypma, PhD (Georgia Tech) completed 2001
Professor
School of Behavioral and Brain Sciences
University of Texas, Dallas
6. Charan Ranganath, PhD (Northwestern) completed 2002
Professor
Department of Psychology
University of California, Davis
7. Clay Curtis, PhD (Minnesota) completed 2003
Professor
Department of Psychology
New York University
8. Leon Deoeull, MD PhD (Hebrew U.) completed 2003
Professor
Department of Psychology
Hebrew University, Israel
9. Charlotte Boettiger, PhD (UCSF) completed 2003
Professor
Department of Psychology
University of North Carolina, Chapel Hill

10. Eric Schumacher, PhD (U. Michigan) completed 2004
Professor
Department of Psychology
Georgia Tech University
11. Lee Miller, PhD (UCSF) completed 2004
Professor
Dept. of Neurobiology, Physiology & Behavior
University of California, Davis
12. Jenni Beer, PhD (UC Berkeley) completed 2004
Professor
Department of Psychology
University of Texas, Austin
13. Christine Hooker, PhD (Northwestern) completed 2004
Professor
Department of Psychiatry
Rush University
14. Jong Yoon, MD (UCSF) completed 2005
Assistant Professor
Department of Psychiatry
Stanford University
15. Adam Gazzaley, MD PhD (Mt. Sinai) completed 2005
Associate Professor
Department of Physiology and Neurology
University of California, San Francisco
16. Michael Silver, PhD (Carnegie Mellon) completed 2005
Associate Professor
Dept. of Vision Science & Neuroscience
University of California, Berkeley
17. Natasha Rajah, PhD (U. Toronto) completed 2005
Associate Professor
Department of Psychiatry
McGill University
18. Roshan Cools, PhD
(Cambridge University, UK) (2003-2005)
Professor
Radboud University, Nijmegen, The Netherlands
19. Sandrine Duverne, PhD
(U. Provence, France) (2003-2005)
Industry
20. Christian Fiebach, PhD
(Max-Planck Institute, Leipzig, Germany) completed 2005
Professor
Goethe University Frankfurt
21. Daniel Krawczyk, PhD (UCLA) completed 2006

		Professor University of Texas, Dallas
22.	Anthony Chen, MD (UCSF)	completed 2006 Attending Neurologist Northern California VA Healthcare System
23.	David Badre, PhD (MIT)	completed 2007 Professor Brown University
24.	Andrew Kayser, MD PhD (UCSF)	completed 2008 Professor Department of Neurology University of California, San Francisco
25.	Brad Buchsbaum, PhD (UC Irvine)	(2005-2008) Associate Professor/Research Scientist Rotman Research Institute University of Toronto
26.	Gary Turner, PhD (U. Toronto)	(2007-2009) Associate Professor Department of Psychology York University
27.	Bianca Wittmann, PhD (Otto von Guericke University)	(2009-2010) Assistant Professor Department of Psychology Giessen University, Germany
28.	Roel Willems, PhD (Donders Center, Netherlands)	(2009-2011) Research Scientist F.C. Donders Centre for Cognitive Neuroimaging Radboud University, Nijmegen, The Netherlands
29.	Vincent Van Veen, PhD (UC Davis)	(2008-2011) Industry
30.	Bradley Voytek PhD (Berkeley)	(2010-2011) Assistant Professor Department of Cognitive Science UC San Diego
31.	Craig Brozinsky, PhD (UC Davis)	(2007-2012) Industry
32.	Emi Nomura, PhD (Northwestern)	(2008-2012) Industry

33. Esther Aarts, PhD
(Donders Center, Netherlands) (2010-2012)
Research Scientist
F.C. Donders Centre for Cognitive
Neuroimaging
Radboud University, Nijmegen,
The Netherlands
34. Michael Todd, PhD (Princeton) (2012-2013)
Industry
35. Jorg Bahlmann, PhD
(Max Planck, Germany) (2010-2013)
Industry
36. Kartik Sreenivasan, PhD (Penn) (2009-2013)
Assistant Professor
Department of Psychology
NYU - Abu Dhabi
37. Winston Chiong, MD PhD (UC Berkeley) (2010-2013)
Associate Professor
Department of Neurology
USCF
38. Ian Cameron, PhD (Queen's U., Canada) (2010-2013)
Research Scientist
F.C. Donders Centre Cog Neuroimaging
Radboud University, Nijmegen,Netherlands
39. Rob Blumenfield, PhD (UC Davis) (2008-2013)
Assistant Professor
Cal State Pomona
40. Jessica Cohen, PhD (UCLA) (2009-2013)
Assistant Professor
Department of Psychology
University of North Carolina, Chapel Hill
41. Deanna Wallace, PhD (UT Southwestern) (2008-2014)
Industry
42. Sepideh Sadaghiani, PhD
(Max Planck, Germany) (2010-2014)
Assistant Professor
University of Illinois, Champagne-Urbana
43. Jan Peters, PhD
(Ruhr-University Bochum,Germany) (2013-2014)
Professor
Department of Biological Psychology
University of Cologne
44. Ben Bowles (U. Western Ontario, Canada) (2013-2014)
Industry

45.	Doby Rahnev (Columbia University)	(2012-2015) Associate Professor Department of Psychology Georgia Institute of Technology
46.	Derek Nee, PhD (University of Michigan)	(2012-2016) Associate Professor Department of Psychology Florida State University
47.	Annelinde Vandenbrouke (U. Amsterdam)	(2014-2016) Industry
48.	Jean-Sebastian Provost (U. Montreal)	(2015-2016) Industry
49.	Robert White, MD PhD (Wash. University)	(2011-2017) Assistant Professor Department of Neurology Washington University
50.	Kai Hwang (U. Pittsburgh)	(2014-2018) Assistant Professor Department of Psychology University of Iowa
51.	Daniella Furman (Stanford)	(2013-2019) Industry
52.	Arielle Tambini (NYU)	(2013-2019) Research Scientist Nathan Kline Institute for Psychiatric Research
53.	Pauline Baniqued (U. Illinois, Champagne-Urbana)	(2015-2019) Post-Doc USC
54.	Anastasia Kiyonaga (Duke)	(2015-2019) Assistant Professor Department of Cognitive Science UC San Diego
55.	David Vogelsang (Cambridge University, UK)	(2016-2019) Research Scientist
56.	Regina Lapate (U Wisconsin-Madison)	(2016-2019) Assistant Professor Department of Psychology UC Santa Barbara
57.	Yuan Chang Leong (Stanford)	(2019-2021) Assistant Professor Department of Psychology

University of Chicago

58. Ioannis Pappas (Cambridge University) (2019-2021)
Assistant Professor
University of Southern California
59. Jason Scimeca (Brown) (2015-2023)
Department of Psychology
Louisiana State University
60. Ian Ballard (Stanford) (2018-2023)
Department of Psychology
UC Riverside
61. Savannah Cookson (Georgia Tech) (2017-2023)
Industry
62. Mattia Pagnotta (U. Fribourg, Switzerland) (2021-current)

Mentor for NIH/NSF Pre-doctoral and Post-doctoral Fellow Trainee Grants

NIH/NSF Pre-Doctoral Training Awards	Total Number = 14
NIH Post-Doctoral National Research Service Award (NRSA)	Total Number = 27
NIH Post-Doctoral Fellow K Award	Total Number = 9

Lectures by invitation

United States

1. June 1982 "Man's plastic brain: Its implications for the care of our elderly", Undergraduate Conference on Bioethics, Boston College.
2. Oct 1986 "Student position paper for a new medical school curriculum", Retreat of the Task Force for a New Curriculum of the SUNY Health Science Center at Syracuse, Colgate University.
3. May 1987 Medical Student Commencement Address, SUNY Health Science Center at Syracuse, College of Medicine Commencement.
4. April 1992 "What does neurology residency really consist of?", Stanley Cobb Assembly, Boston Society of Neurology and Psychiatry.
5. Oct 1992 "Profile of a residency training program: What can we learn?", Alumni Teaching Day, SUNY Health Science Center at Syracuse.
6. Dec 1992 "Multiple mechanisms of unilateral visual neglect", Department of Neurology Grand Rounds, University of Pennsylvania School of Medicine.
7. Jan 1993 "Diagnosis and treatment of aphasia", Medical Grand Rounds, Landmark Medical Center, Woonsocket, RI.
8. Feb 1993 "Neurological emergencies", Medical Grand Rounds, Tougas VA Medical Center, Augusta, Maine.
9. May 1993 "The cognitive profile of anterior communicating artery aneurysm rupture", Neurology Grand Rounds, Medical University of South Carolina, Charleston, SC.
10. Sept 1993 "Aneurysm rupture: cognitive and behavioral deficits and course of recovery", Platform speaker, 14th Annual Braintree Hospital Traumatic Brain Injury Conference, Boston, MA.
11. Sep 1993 "Stroke syndromes: cognitive and behavioral deficits and course of recovery", Platform speaker, 14th Annual Braintree Hospital Traumatic Brain Injury Conference, Boston, MA.
12. Aug 1994 "Traumatic Brain Injury", Symposium speaker, Lewis-Gale Hospital, Roanoke, VA.
13. Sep 1994 "Memory disorders after stroke", Platform speaker, 15th Annual Braintree Hospital Stroke Conference, Boston, MA.
14. Sep 1994 "The neurology of the persistent vegetative state and related conditions", Platform speaker, 15th Annual Braintree Hospital Traumatic Brain Injury Conference, Boston, MA.
15. Sep 1994 "Functional MRI studies of cognition", Philadelphia Cognitive Neuroscience Discussion Group, Graduate Hospital, Philadelphia, PA.
16. Mar, 1995 "Functional MRI studies of cognition", AOA Society, Jefferson University School of Medicine, Philadelphia, PA.

17. Sept 1995 "Functional MRI studies of working memory", Cognitive Neuroscience Seminar, National Institute of Mental Health, Bethesda, MD.
18. Sep 1995 "The Frontal Lobes", Grand Rounds, Department of Rehabilitation Medicine, University of Pennsylvania School of Medicine.
19. Nov 1995 "Memory disorders after stroke", Platform speaker, 2nd Annual Braintree Hospital Stroke Conference, Boston, MA.
20. Nov 1995 "Working memory and head injury", Platform speaker, 16th Annual Braintree Hospital Brain Injury Conference, Boston, MA.
21. April, 1996 "Behavioral/Cognitive Neuroscience - 1995 Review", 13th Annual Neuroscience Retreat, University of Pennsylvania School of Medicine, Philadelphia, PA.
22. July, 1996 "Language and Aphasia", Board Review in Psychiatry, The George Washington University Medical Center, Washington, DC.
23. July, 1996 "Memory and Amnesia", Board Review in Psychiatry, The George Washington University Medical Center, Washington, DC.
24. Sep 1996 "Alzheimer's Disease and other memory disorders", Barnes & Noble, Marlton, NJ.
25. Oct 1996 "Functional MRI studies of working memory", Memory Disorders Research Society, Boston, MA.
26. Nov 1996 "The neurology of the frontal lobes", Neurology Grand Rounds, Pennsylvania Hospital, Philadelphia, PA.
27. Feb 1997 "Functional MRI studies of working memory", Department of Psychology Colloquium, Princeton University, Princeton, NJ.
28. Mar, 1997 "Functional subdivisions of prefrontal cortex using functional MRI", Cognitive Neuroscience Society, Platform speaker, Boston, MA.
29. May, 1997 "Functional MRI studies of topographical knowledge", National Academy of Sciences Symposium on Neuroimaging of Brain Function, Chair and symposium speaker, Irvine, CA.
30. May, 1997 "Assessment of the cerebral cortex", American Academy of Neurology, Dinner Seminar entitled "Behavioral Neurology for the Practicing Neurologist", Course Director and Speaker, Boston, MA.
31. Aug, 1997 "Functional MRI and pharmacological studies of working memory", National Institute of Drug Abuse, Baltimore, MD.
32. Sep 1997 "Specific stroke syndromes and neurorehabilitation", American Congress of Rehabilitation Medicine", Boston, MA
33. Dec 1997 "Functional MRI studies of prefrontal cortex and working memory", Cognitive Psychology Seminar, Temple University, Philadelphia, PA
34. Jan 1998 "Functional MRI studies of prefrontal cortex and working memory", Cognitive Neuroscience Seminar, Northwestern University Medical School, Chicago, IL

35. May, 1998 "Assessment of the cerebral cortex", American Academy of Neurology, Dinner Seminar entitled "Behavioral Neurology for the Practicing Neurologist", Course Director and Speaker, Minneapolis, MN
36. May, 1998 "The neurology of the frontal lobes", Department of Neurology Grand Rounds, Temple University School of Medicine, Philadelphia, PA.
37. Sep 1998 "Functional MRI studies of working memory", Cognitive Neuroscience Colloquium, Center for Developmental Cognitive Neuroscience, Shriner Center, Waltham, MA.
38. Sep 1998 "Functional MRI studies of working memory", Cognitive Neuroscience Colloquium, Dartmouth College, Hanover, NH.
39. Sep 1998 "The variability of human BOLD hemodynamic response in young and older subjects: implications for event-related fMRI design and analysis", National Institute of Mental Health Cognitive Neuroimaging Workshop, Rockville, MD.
40. Oct 1998 "Behavioral, pharmacological and functional MRI studies of the frontal lobes ", Traumatic Brain Injury Conference, American Society for Neurorehabilitation, Bryn Mawr Rehabilitation Hospital, Malvern, PA.
41. Jan 1999 "Dissecting working memory using functional MRI", Integrative Neuroscience Series, National Institute of Mental Health, Bethesda, MD.
42. Mar, 1999 "Dissecting working memory using functional MRI", Center for Neuroscience, UC Berkeley, Berkeley, CA.
43. Mar, 1999 "Dissecting working memory using functional MRI", Department of Psychology, Stanford University, Palo Alto, CA.
44. Mar, 1999 "Dissecting working memory using functional MRI", Center for Neuroscience, UC Davis, Davis, CA.
45. April, 1999 "Dissecting working memory using functional MRI", Satellite Symposium of the 1999 Cognitive Neuroscience Society, "Attentional Processes in Perception and Working Memory", Washington, DC
46. April, 1999 "Experimental Design", American Academy of Neurology, Course entitled "Functional MRI, Toronto Canada
47. April, 1999 "Neural components of topographical representation", Spatial Cognitive Conference, University of California, Berkeley
48. May, 1999 "Assessment of the cerebral cortex", American Academy of Neurology, Dinner Seminar entitled "Behavioral Neurology for the Practicing Neurologist", Course Director and Speaker, Toronto, Canada
49. May, 1999 "Neural basis of topographical representation", Spatial Cognition Conference, UC Berkeley, Berkeley, CA.
50. Oct 1999 "Functional MRI: implications for cognitive neuroscience", Symposium on Functional Imaging, American Neurological Association Annual Meeting, Seattle, WA.

51. Nov 1999 "Post-concussive syndrome", Penn Neurology 2000: Management of Common Neurological Problems, Hamilton, Bermuda.
52. Nov 1999 "Event-related fMRI", Memory Disorders Research Society Annual Meeting, University of Arizona, Tucson, AZ.
53. Nov 1999 "Isolating the neural mechanisms of age-related changes in working memory using event-related fMRI", Symposium entitled "Old Memories", The Banbury Center, Cold Spring Harbor Laboratory, Cold Spring Harbor, NY.
54. Dec 1999 "Prefrontal cortical contributions to working memory: evidence from event-related fMRI studies", Neuroscience Seminar, Department of Cell Biology, Neurobiology and Anatomy, Medical College of Wisconsin, Milwaukee, WI.
55. Jan 2000 "Is functional MRI the new phrenology?" Department of Neurology Grand Rounds, Johns Hopkins School of Medicine, Baltimore, MD.
56. Mar, 2000 "Is functional MRI the new phrenology?" Department of Neurology Grand Rounds, Medical College of Georgia, Augusta, GA
57. Mar, 2000 "Prefrontal cortical contributions to working memory: evidence from event-related fMRI studies", Frontal Lobes 2000, Rotman Research Institute, Toronto, CA.
58. Mar, 2000 "Functional neuroimaging and pharmacological studies of the frontal lobes", Merritt-Putnam Lectures, NYU Medical School, The Plaza Hotel, New York City, NY.
59. April, 2000 "Characteristics of the BOLD signal: Implications for imaging healthy elderly and patients with neurological disorders", Satellite symposium entitled "Issues and concerns in experimental design and analysis of fMRI data" at the Cognitive Neuroscience Society meeting, San Francisco, CA.
60. April, 2000 "Functional neuroimaging and pharmacological studies of the frontal lobes", Symposium entitled, "Images of Language and Cognition", American Society for Neurorehabilitation Meeting, San Diego, CA.
61. May, 2000 "Experimental Design", American Academy of Neurology, Course entitled "Functional MRI", San Diego, CA
62. May, 2000 "Frontal lobe syndromes", American Academy of Neurology, Dinner Seminar entitled "Behavioral Neurology for the Practicing Neurologist", Course Director and Speaker, San Diego, CA.
63. July, 2000 "Neuroimaging studies of self-regulation and decision making", 2000 Summer Institute in Cognitive Neuroscience, Dartmouth College, Hanover, NH.
64. Sep 2000 "Towards understanding the role of prefrontal cortex in working memory: evidence from functional MRI" Neuroscience Seminar Series, UCSF, San Francisco, CA
65. Oct 2000 "Towards understanding the role of prefrontal cortex in working memory: evidence from functional MRI", Symposium entitled "Mechanisms of persistent neural activity", The Banbury Center, Cold Spring Harbor Laboratory, Cold Spring Harbor, NY.
66. Oct 2000 Participant, Workshop on the Analysis of Functional Imaging Data, James S. McDonnell Foundation, St. Louis, MO.

67. November, 2000 "Towards understanding the role of prefrontal cortex in working memory: evidence from functional MRI", Joint Seminars in Neuroscience, UCLA, Los Angeles, CA
68. Dec 2000 "Concussion", Symposium entitled "Brain Injury", 5th Annual Rene Cailliet Interdisciplinary Conference on Law and Medicine, Honolulu, HI.
69. Jan 2001 "Functional MRI", Symposium entitled: "Neuroimaging for the New Millennium", 24th Annual Meeting of the American Society of Neuroimaging, Las Vegas, NV.
70. Jan 2001 "Towards understanding the role of prefrontal cortex in working memory: evidence from functional MRI", Joint Seminars in Neuroscience, UC San Diego, San Diego, CA
71. Feb 2001 "Functional neuroimaging of executive and related functions", Symposium entitled: "Neuropsychiatry of Thought and Language", 12th Annual Meeting of the American Neuropsychiatric Association, Fort Meyers, FL.
72. Feb 2001 "Towards understanding the role of prefrontal cortex in working memory: evidence from functional MRI", Cognitive Science Seminar, UC Irvine, Irvine, CA
73. April, 2001 "Executive Control", Course entitled, "Behavioral Neurology: Issues in Cognitive Neuroscience, American Academy of Neurology, Philadelphia, PA.
74. April, 2001 "Executive Function", Workshop entitled "From Memory to Desire: A Course in Cognitive Neuroscience for Psychiatrists, Neurologists, Psychologists and Neuroscientist, Department of Psychiatry, UCSF, San Francisco, CA.
75. April, 2001 Participant, NIMH and NINDS Neuroimaging Informatics Technology Initiative Workshop: Users of Informatic Tools for fMRI Research, Rockville, MD.
76. May, 2001 "Executive control", American Academy of Neurology, Course entitled "Behavioral Neurology: Current Issues in Cognitive Neuroscience", Course Director and Speaker, San Diego, CA.
77. May, 2001 "Executive control and working memory", Western Psychological Association, Symposium entitled "Executive Control Processes: Finding from Cognitive Neuroscience, Maui, Hawaii.
78. June, 2001 "Trials and tribulations in fMRI", 2001 Summer Institute in Cognitive Neuroscience, Dartmouth College, Hanover, NH.
79. Aug, 2001 "Neural mechanisms of age-related changes in working memory using fMRI", Invited Address, American Psychological Association, San Francisco.
80. Sep 2001 "Towards understanding the role of prefrontal cortex in working memory: evidence from functional MRI", Inauguration of the Michigan Brain Imaging Center, University of Michigan, Ann Arbor, MI.
81. Sep 2001 "The role of dopamine in cognition", Invited Lecture, UCSF Wheeler Center for Addiction Retreat, Marconi Center, Point Reyes, CA.
82. Oct 2001 "Towards understanding the role of prefrontal cortex in working memory: evidence from functional MRI", CogLunch Talk, Stanford University, Palo Alto, CA

83. Nov 2001 "Future directions in prefrontal cortex research and drug addiction", National Institute of Drug Abuse Symposium entitled "The Role of the Prefrontal Cortex in Drug Addiction", San Diego, CA.
84. Nov 2001 "Age-related differences in the hemodynamic response and working memory", Society for Neuroscience symposium entitled, "Visualizing the Aging Brain: The Impact of Neuroimaging on Understanding of Cognitive Aging", San Diego, CA.
85. April, 2002 "Hemodynamic measures and cognitive aging", Symposium on Neuroscience of Aging and Cognition, San Francisco, CA.
86. May, 2002 "Executive control", American Academy of Neurology, Course entitled "Behavioral Neurology: Current Issues in Cognitive Neuroscience", Course Director and Speaker, San Diego, CA.
87. June, 2002 "Isolating the neural mechanisms of age-related changes in working memory using event-related functional MRI, Beeson Scholars In Aging Conference, Blaine, Washington.
88. June, 2002 "Isolating the neural mechanisms of age-related changes in working memory using event-related functional MRI, Taube Center, Columbia University, New York, NY.
89. July, 2002 "Functional Brain Imaging, Brain Injury Update 2002, Honolulu, HI.
90. Oct 2002 "Towards understanding the role of the frontal lobes in cognition: evidence from functional MRI", Cognitive Psychology Colloquium, University of California, Santa Cruz, Santa Cruz, CA
91. Nov 2002 "Towards understanding the role of the frontal lobes in executive control: evidence from functional MRI", Neuroscience Seminar, University of Pittsburgh Carnegie Mellon University, Center for the Neural Basis of Cognition, Pittsburgh, PA
92. Jan 2003 "Relationship between BOLD-fMRI and Behavioral Performance", Workshop, Winter Brain Conference, Snowbird, Utah.
93. February. 2003 "Towards understanding the role of the frontal lobes in cognition", International Neuropsychological Society, Honolulu, Hawaii.
94. June, 2003 "Towards understanding the role of the frontal lobes in cognition", NIMH Workshop on Executive Control, New York City, NY
95. Sep 2003 "Fronto-temporal interactions in memory", New York University, NY.
96. Jan 2004 "Towards understanding the role of the frontal lobes in executive control", Psychology Colloquium, Stanford University, CA.
97. April, 2004 "Towards understanding the role of the prefrontal cortex in cognitive control", Center for Integrative and Cognitive Neuroscience Seminar Series, Vanderbilt University, TN.
98. April, 2004 "Neuroimaging studies of working memory, Symposium entitled "The influence of the work of Pat Goldman-Rakic on the discipline of cognitive neuroscience" at the Cognitive Neuroscience Annual Meeting, San Francisco, CA

99. June, 2004 "Neural mechanisms underlying cognitive control", Symposium entitled "Adaptive Representation and Control in Vision", Center for Visual Science, University of Rochester, NY
100. Oct 2004 "Towards understanding the role of frontal lobes in cognition", Department of Neurology Grand Rounds, Massachusetts General Hospital, Boston, MA.
101. Oct 2004 "Neural mechanisms underlying cognitive control", Keynote Speaker, Behavioral Neuroscience Seminar Series, Brigham and Women's Hospital, Boston, MA.
102. Oct 2004 "The role of dopamine in cognition", Memory Disorders Research Society, New York, NY.
103. Oct 2004 "Neural mechanisms underlying cognitive control", Neurology Grand Frontiers in Neuroscience Symposium, Department of Anatomy and Neurobiology, University of Kentucky School of Medicine, Lexington, KY.
104. Jan 2005 "Can fMRI serve as a biomarker?" Merck Pharmaceuticals, West Point, PA.
105. Mar, 2005 "When bottom-up meets top-down: neural mechanism of cognitive control", Cognitive Neuroscience Colloquium, Beckman Institute for Advanced Science & Technology & Dept of Psychology University of Illinois, Urbana-Champaign, IL.
106. April, 2005 "Towards understanding the role of the frontal lobes in cognition", Reprogramming the Human Brain Symposium, University of Texas, Dallas.
107. April, 2005 "What is the role of dopamine in cognition?" Frontiers in Neurology and Neuroscience, Department of Neurology, University of California, San Francisco.
108. May, 2005 "Neural mechanisms underlying cognitive control" Ninth international conference on cognitive and neural systems, Boston University, Boston, MA.
109. Nov 2005 "Towards understanding the role of the frontal lobes in cognition", 26th Annual Neurorehabilitation Conference on Traumatic Brain Injury, Stroke and Parkinson's Disease, Braintree Rehabilitation Hospital, Boston, MA.
110. Nov 2005 "Towards understanding the role of the frontal lobes in cognition", Department of Neurology Grand Rounds, Boston University, Boston, MA.
111. Nov 2005 "Towards understanding the role of the frontal lobes in cognition", Memory Disorders Research Center, Boston University, Boston, MA.
112. Nov 2005 "Where bottom-up meets top-down: neural mechanisms of cognitive control", Pinckney Harmon lecture, Cajal Club, University of California, Davis.
113. Jan 2006 "Where bottom-up meets top-down: neural mechanisms of cognitive control", Winter Brain Conference, Steamboat Springs, CO.
114. Feb 2006 "Towards understanding the role of the frontal lobes in cognition", Frank Elliot Lecture in Cognitive Neuroscience, Department of Neurology and Institute for Neurological Sciences, University of Pennsylvania, Philadelphia, PA.
115. April, 2006 "Human Studies of Dopamine Function", Cognitive Neuroscience Society Annual Meeting Symposium, San Francisco, CA.

116. May, 2006 "Where bottom-up meets top-down: neural mechanisms of cognitive control", Prefrontal Cortex, Working Memory and Flexible Behavior, Kavii, Symposium in Memoriam of Patricia S Goldman-Rakic, Yale University, New Haven, CT.
117. Aug, 2006 "Neuroanatomy and neuropathology". University of Michigan FMRI Training Course, Ann Arbor, MI.
118. Jan 2007 "Neural mechanisms of working memory". Symposium on Brain Network Dynamics, University of California, Berkeley, CA.
119. Feb 2007 "What is the role of the frontal lobes in cognition?" International Neuropsychological Society Workshop, Portland, OR.
120. Mar, 2007 "Chemistry of the mind" Interdisciplinary Conference on Human Performance, San Diego, CA.
121. April, 2007 "Clinical Functional MRI", Keynote Speaker, Brain Imaging Center Day, Smith-Kettlewell Eye Research Institute, San Francisco, CA.
122. April, 2007 "Clinical Functional MRI", Keynote Speaker, Brain Imaging Center Day, Smith-Kettlewell Eye Research Institute, San Francisco, CA.
123. April, 2007 "From cognitive to neural models of working memory", Interdepartmental Neuroscience Seminar Series, Northwestern University, Evanston, IL.
124. Aug, 2007 "Neuroanatomy and neuropathology". University of Michigan FMRI Training Course, Ann Arbor, MI.
125. Nov 2007. "Using functional MRI as a tool for guiding therapy and tracking recovery in TBI" 8th Annual Neuroscience of Brain Injury: Research Informing Medical Treatment and Legal Practice Conference, Napa, CA
126. Sep 2008 "Where bottom-up meets top-down: neural mechanisms of cognitive control", Magnetic Resonance Research Center, Yale University, New Haven, CT
127. Jan 2009 "What is the organization of prefrontal cortex for executive function?", Keynote Speaker, Conference on Executive Function, University of Colorado, Boulder.
128. Jan 2008 "Where bottom-up meets top-down: neural mechanisms of cognitive control", Center of Excellence for Learning in Education, Science and Technology (CELEST) Science of Learning Seminar, Boston University, Boston, MA.
129. April, 2009 "Where bottom-up meets top-down: neural mechanisms of cognitive control", Brain & Cognition Program, Department of Psychology, Conference on Executive Function, University of Illinois, Urbana-Champaign.
130. April, 2009 "Dopaminergic modulation of flexible cognitive control in humans", Neuroscience Program, Department of Psychology, Conference on Executive Function, University of Illinois, Urbana-Champaign.
131. April, 2009 "Working Memory", Course entitled, "Behavioral Neurology: Contemporary Topics: Memory, American Academy of Neurology, Seattle, WA.
132. Jan 2010 "Classroom applications of the research on working memory" The Brainy Bunch, Mind Matters, Inc. Napa, Ca.

133. Jan 2010 "When bottom-up meets top-down: neural mechanisms of cognitive control", Mind, Brain, and Behavior Distinguished Lecture Series, Center for Cognitive Neuroscience, Duke University, Durham, NC.
134. Mar, 2010 "When bottom-up meets top-down: neural mechanisms of cognitive control", Neuroscience Research Program, The Neurosciences Institute, La Jolla, CA.
135. April, 2010 "When bottom-up meets top-down: neural mechanisms of cognitive control". Keynote speaker, 11th Annual Frontiers in Neuroscience Research Day, Neuroscience Institute, Medical University of South Carolina, Charleston, SC.
136. Sep 2010 "When bottom-up meets top-down: neural mechanisms of cognitive control". Keynote speaker, UC Davis Neuroscience Retreat, Point Reyes, CA.
137. Oct 2010 "Using resting state intrinsic connectivity networks to investigate memory function", Memory Disorders Research Society, Northwestern University, Evanston, IL.
138. Nov 2010 "Remediating frontal lobe function: from bench to bedside", 11th Annual Neuroscience of Brain Injury: Research Informing Medical Treatment and Legal Practice Conference, Napa, CA
139. Dec 2010 "Using resting state intrinsic connectivity networks to investigate human cognition", New Horizons in Human Brain Imaging: A Focus on Brain Networks and Connectivity, Pacific Rim Brain Connectivity Conference, Oahu, HI.
140. Dec 2010 Panel Discussant, Futures Seminar, Department of Psychological and Brain Sciences, Cognitive Science, Krieger Mind/Brain Institute, and the Undergraduate Neuroscience Program, Johns Hopkins University, Baltimore, MD.
141. Sep 2011 "Remediating frontal lobe dysfunction: from bench to bedside. Entertainment Software and Cognitive Neurotherapeutics Society Conference, San Francisco, CA.
142. Oct 2011 "Understanding the human frontal lobes". Institut for Human Brain Potential, San Rafael, Burlingame & Palo Alto, CA.
143. Nov 2011 "When bottom-up meets top-down: neural mechanisms of cognitive control", Neuroscience Seminar Series, University of California, San Diego.
144. April, 2012. "Modularity, networks and cognitive control." Neuroscience and Higher Brain Function: State of the Art: Celebrating the 50th Anniversary of the Neuroscience Research Program, The Neurosciences Institute, La Jolla, CA
145. June, 2012 "Modularity, brain networks, aging and cognitive control." Lost in Translation: Are Aging and Disease Separable?" Paul F. Glenn Symposium on the Biology of Aging, Santa Barbara, CA.
146. June, 2012. "Modularity, brain networks, aging and cognitive control." Lost in Translation: Are Aging and Disease Separable?" New Investigators in Alzheimer's Disease Grantee Meeting, American Federation for Aging Research, Santa Barbara, CA.
147. June, 2012 "Brain Networks, Modularity and Cognitive Control". Presidential Lecture, International Society for Behavioral Neuroscience, Half Moon Bay, CA.
148. Sep 2012 "Functional MRI as a biomarker for tracking recovery of function following traumatic brain injury", 13th Annual University of California Neurotrauma Symposium, Rohnert Park, CA.

149. Sep 2012 "Dopamine, frontostriatal circuits and working memory", Rewards, Habits and Learning Symposium, Columbia University, NY.
150. Nov 2012. "The Science of the Aging Brain" Discover Cal. Los Angeles, CA.
151. Nov 2012 "The impact of brain injury on the modular organization of the brain", 13th Annual Neuroscience of Brain Injury: Research Informing Medical Treatment and Legal Practice Conference, Napa, CA
152. Dec 2012 "A blueprint for cognitive control: multiple neural mechanisms", Department of Neuroscience, Columbia University, NY.
153. Feb 2013 "Remediating frontal lobe function: from bench to bedside", Neuroscience Institute, New York University School of Medicine, NY.
154. Feb 2013 "A blueprint for cognitive control: multiple neural mechanisms", Department of Psychology, New York University, NY.
155. May, 2013 "Large-scale organization of the human brain: insights from functional MRI", Yale Magnetic Resonance Imaging Research Center Seminar Series, Beckman Institute, University of Illinois, Urbana-Champaign.
156. Oct 2013 "Large-scale organization of the human brain: insights from functional MRI", Neuroscience Seminar, Beckman Institute, University of Illinois, Urbana-Champaign.
157. Feb 2014 "A blueprint for cognitive control: multiple neural mechanisms", Joint Seminar Series in Neuroscience, UCLA, Los Angeles, CA.
158. Jan 2015. "Your Brain on Drugs: Novel Clinical Implications", UC Berkeley Extension School, Berkeley, CA.
159. Mar, 2014 "Large-scale organization of the human brain: insights from functional MRI". Reprogramming the Human Brain Conference, Center for Brain Health, UT Dallas, Dallas, TX.
160. Mar, 2015 "Brain connectivity: Implications for improving brain health". United States Congressional Neuroscience Caucus, Washington, D.C.
161. June, 2015 "The Modular Brain", Yale International Conference on Attention and Memory: Conceptualizing Cognition, Yale University, New Haven, CT.
162. Sep 2015 "The Modular Brain", Perspectives in Neuroscience Seminar Series, Center for Neuroscience, UC Davis, Davis, CA.
163. Oct 2015 "The Modular, Yet Integrated, Brain", Neuroscience Seminar Series, Neuroscience Program, U. Iowa, Iowa City, IA.
164. Nov 2015 "The Modular, Yet Integrated, Brain", SAGE Center for the Study of the Mind Distinguished Fellow Lecture series UC Santa Barbara, Santa Barbara, CA.
165. Jan 2016 "The Modular Brain", Keynote Speaker, 11th Annual Neuroscience Graduate Program Student Symposium, University of Southern California, Los Angeles, CA.
166. February 2016 "The role of the large-scale organization of the brain in the support of memory", Winter Conference on Brain Plasticity, Maui, HI.

167. Mar, 2016. "The Modular Brain". Interdisciplinary Conference on Human Performance. Palm Springs, CA.
168. Aug, 2016 "The Modular Brain", Imaging Research Center, UT Austin, Austin, TX.
169. Sept 2016 "The Modular Brain", Center for Advanced Brain Imaging, Georgia Institute of Technology, Atlanta, GA.
170. Sept 2016 "Functional MRI and Cognition", Imaging and Biomarkers Workshop, International Psychogeriatrics Association Meeting, San Francisco, CA.
171. Sept 2016 "Using brain imaging to predict the response to cognitive training", University of Texas, Dallas, Center for Brain Health Reprogramming the Brain Symposium on Brain Training, Berkeley, CA.
172. October 2016 "The Modular Brain: Implications for Rehabilitation", American Congress of Rehabilitation Medicine Annual Meeting, Keynote Lecture, Chicago, IL.
173. October 2016 "How can we develop treatments for cognitive deficits?", American Congress of Rehabilitation Medicine Annual Meeting, Luncheon Speaker, Chicago, IL.
174. January 2017 "The Modular Brain", Brain Research Imaging Center, University of North Carolina, Chapel Hill, NC.
175. January 2017 "A neural blueprint for cognitive control", Department of Psychology, University of North Carolina, Chapel Hill, NC.
176. Jan 2017 "A neural blueprint for cognitive control", Department of Psychology, University of Nebraska, Chapel Hill, NB.
177. April 2017 "The Modular Brain", Imaging the Mind and Brain: Roadmap to opportunities for UNMC, University of Nebraska Medical Center, Omaha, NE
178. November 2017 "Emerging brain imaging methods for assessing normal and abnormal cognitive function", Academy of Neurological Communication Disorders and Sciences Annual Meeting, Los Angeles, CA.
179. Feb 2018 "The Modular Brain", Clinical Neuroscience Grand Rounds, Neurological Institute of Neurological Disorders and Stroke, Bethesda, MD.
180. Feb 2018 "The Modular Brain", The 4th Annual Whistler Scientific Workshop on Brain Functional Organization, Connectivity and Behavior, Whistler, Canada.
181. May, 2018. "The Modular Brain". Invited Address. Association for Psychological Science. San Francisco, CA.
182. Oct 2018. "The Modular Brain". Neuroscience Seminar Series. Santa Clara University, Santa Clara, CA.
183. Mar, 2019. "Where is the "top" in top-down executive control?". Invited Address. Institute for Mind and Brain Executive Function Conference, University of South Carolina, Columbia, SC.
184. Mar, 2019. "The Modular Brain". Keynote Speaker. The 6th Annual Mechanisms of Learning Forum, "Environmental and Developmental Potentiators of Learning, Emory University, Atlanta, GA.

185. June, 2019. "The Utility of Brain Modularity as an Imaging Biomarker". Brain Health and Performance Summit, Ohio State University, Columbus, OH.
186. July, 2019. "The Modular Brain". NeuroFutures Meeting, Oregon Health Sciences University, Portland, OR.
187. Aug, 2019. "The Modular Brain". Shirley Ryan Ability Lab, Chicago, IL.
188. Feb 2020. "Where is the "top" in top-down control?". Symposium in honor of Donald T. Stuss entitled, "What makes us human?", International Neuropsychological Society Meeting, Denver, CO.
189. Feb 2020. "The Modular Brain". Neal E. Miller Memorial Lecture, Department of Psychology, Yale University, New Haven, CT.
190. March, 2021. "The Modular Brain". Learning in Retirement Program of the UCB Retirement Center, Berkeley, CA.
191. Sep 2021. "The Modular Brain". Grand Rounds, Memory and Aging Center, Department of Neurology, UCSF School of Medicine, San Francisco, CA.
192. May, 2022. "The Modular Brain: Implications for Neurological Practice". Grand Rounds, Department of Neurology, NYU School of Medicine, New York, NY.
193. May, 2022. "The Social Network That Matters Most: Your Brain". BrainHealth Presents, Center for Brain Health, UT Dallas, Dallas, TX.
194. Dec 2022. "The Legacy of Brenda Milner". Center for Brain Health, UT Dallas, Dallas, TX.

International

1. Aug 1996 "Functional neuroimaging studies of working memory," Chair and symposium speaker, Theoretical and Experimental Neuropsychology Meeting, University of Quebec-Montreal, Montreal, Canada.
2. Sept 1996 "The neural basis of working memory observed by functional MRI," Platform speaker, Tokyo Metropolitan Institute for Neuroscience, Tokyo, Japan.
3. November 1997 "Functional MRI studies of prefrontal cortex and working memory," Rotman Research Institute, University of Toronto, Canada
4. May 1998 "Functional neuroimaging studies of working memory," Banff Annual Seminar in Cognitive Science, Banff, Alberta, Canada.
5. July 1998 "The neural correlates of component processes of working memory: evidence from neuropsychological and pharmacological studies," Attention & Performance XVIII Conference, Windsor, England.
6. December 1998 "Dissecting working memory using functional MRI," Conference entitled, "Executive Control and Frontal Lobe: Current Issues," Hanse Institute for Advanced Study, Delmenhorst, Germany

7. April 1999 "Experimental Design," American Academy of Neurology Annual Meeting, Course entitled "Functional MRI", Toronto Canada
8. May 1999 "Assessment of the cerebral cortex," American Academy of Neurology Annual Meeting, Seminar entitled "Behavioral Neurology for the Practicing Neurologist," Course Director and Speaker, Toronto, Canada
9. Mar 2000 "Prefrontal cortical contributions to working memory: evidence from event-related fMRI studies," Conference entitled "The Frontal Lobes" Rotman Research Institute, Toronto, CA.
10. July 2000 "Executive Function," TuBBS 2000 – Tutorials in Behavioral and Brain Science – Cognitive Processing and its Functional Representation in the Brain, Max-Planck-Institute in Cognitive Neuroscience, Wörlitz, Germany.
11. January 2001 "Functional MRI studies of cognition," Functional MRI Course, The Rudolf Magnus Institute for Neurosciences, University Medical Center, Utrecht, The Netherlands.
12. Mar 2001 "Prefrontal cortical contributions to executive control," Invited Address, "12th World Congress of the International Society of Brain Electromagnetic Topography, Tochigi, Japan.
13. April 2001 "Towards understanding the role of prefrontal cortex in working memory: evidence from functional MRI," Department of Neurology Grand Rounds, Kyoto School of Medicine, Kyoto, Japan.
14. April 2002 "Towards understanding the role of prefrontal cortex in working memory: evidence from functional MRI," Cognitive Neuroscience Seminar, Wellcome Department of Cognitive Neurology, University College London, London, UK.
15. Sept 2002 "Towards understanding the role of the frontal lobes in executive control: evidence from functional MRI," Keynote Lecture, International Conference on Cognitive Neuroscience (ICON-8), Porquelloes, France.
16. Mar 2003 "Towards understanding the role of the frontal lobes in executive control: evidence from functional MRI," The 21st-Century Center of Excellence Program: Psychological Studies, The Third International Workshop, Executive Functions in Higher Cognitive Processes: Behavioral and Neural Correlates, Kyoto University, Kyoto, Japan
17. Mar 2003 "The neural correlates of keeping information "in mind," Conference entitled "Neuroimaging of Cognition" Rotman Research Institute, Toronto, CA.
18. Aug 2004 "Neural mechanisms underlying executive control," The Second International Conference on Working Memory, Kyoto, Japan
19. July 2005 "When bottom-up meets top-down: neural mechanisms of executive control," Plenary Talk, International Neuropsychological Society, Dublin, Ireland.
20. July 2005 "Neural mechanisms underlying top-down control," Imaging the Mind, Tutorial Course in Cognitive Neuroscience, Mallorca, Spain.
21. October 2005 "Where bottom-up meets top-down: neural mechanisms of cognitive control," Swammerdam Lecture, VU Medical Center, Amsterdam, The Netherlands

22. October 2006 "From cognitive to neural models of working memory," Symposium entitled, Mental Processes in the Human Brain, The Royal Society, London, UK.
23. Mar 2007 "Functional Reintegration of Frontal Neural Networks for Enhancing Recovery After Brain Injury," Department of Rehabilitation Medicine, Keynote Speaker, Annual Meeting of the Korean Society for Neurorehabilitation, Seoul, Korea.
24. Mar 2007 " New directions for using functional MRI to study brain function," Gachon Neuroscience Research Institute, Gachon University Gil Medical Center, Seoul, Korea.
25. Mar 2007 " Functional MRI network analyses of working memory," Department of Rehabilitation Medicine, Samsung Medical Center, Seoul, Korea.
26. May 2007 "Human behavioral and functional MRI studies of dopamine," Dopamine 50 Years, Goteborg, Sweden.
27. Sept 2007 "What is the role of dopamine in cognition?", Institute for Cognitive Neuroscience Seminar Series, University College London, London, UK.
28. Sept 2007 "When bottom-up meets top-down: neural mechanisms of cognitive control," Center for Cognition and Neuroimaging Seminar Series, Brunel University West London, Uxbridge, UK.
29. Sept 2007 "Pharmacology of Memory," Memory Disorders Research Society Annual Meeting, Cambridge University, Cambridge, UK.
30. December 2007 "A cognitive neuroscience approach towards developing cognitive interventions in healthy aging," Aging and Dementia Conference, Douglas Hospital, McGill University, Montreal, Canada.
31. June 2008 "From cognitive to neural models of working memory," Satellite Symposium of the Organization for Human Brain Mapping entitled "Current Advances on Working Memory Systems and Functions," University of Melbourne, Australia.
32. June 2008 "Where is the "top" in top-down control?" Keynote Speaker, Annual Meeting of the Organization for Human Brain Mapping, Melbourne, Australia.
33. Mar 2008 "Age-related changes in the neural bases of memory and cognition." Keynote Speaker, 19th Annual Rotman Research Institute Conference entitled "Cognitive Aging: Research and Practice," Toronto, Canada.
34. October 2009 "Cognitive Control, Aging, Dopamine, and the Frontal Lobes" Center for Lifespan Psychology, Max-Planck Institute for Human Development, Berlin, Germany
35. Mar 2010 "Remediating frontal lobe dysfunction: from bench to bedside" 20th Annual Rotman Research Institute Conference, "The Frontal Lobes," Toronto, Canada.
36. April 2010 "The effect of focal lesions on cortical networks," Integrated Neuroscience Session, American Academy of Neurology Annual Meeting, Toronto, Canada.
37. June 2010 "Meeting Highlights" Annual Meeting of the Organization for Human Brain Mapping, Barcelona, Spain.

38. Sept 2010 "How is working memory instantiated in the brain?", Keynote lecture, 5th European Working Memory Symposia, Civita Castellana, Italy.
39. Sept 2011 "Where bottom-up meets top-down: neural mechanisms underlying cognitive control," International Cognitive Neuroscience (ICON) Meeting, Mallorca, Spain.
40. December 2011 "Cognitive and pharmacological therapies for cognitive control deficits," Current Issues in Cognitive Neuroscience Symposium, International Neuropsychological Society, Montreal, Canada.
41. July 2012 "Revisiting dedifferentiation as a neural mechanism underlying cognitive aging," Gordon Research Conference on the Neurobiology of Cognition, Barga, Italy.
42. Mar 2012 "Measuring intrinsic brain connectivity and modularity: implications for neurorehabilitation" 23rd Annual Rotman Research Institute Conference, "Brain Plasticity and Neurorehabilitation," Toronto, Canada.
43. July 2014 "Revisiting the role of persistent neural activity during working memory." International Conference on Working Memory, Cambridge, England.
44. October 2014 "The Modular Brain," Distinguished Lecture Series, Berlin Graduate School of Mind and Brain, Humboldt University, Berlin, Germany.
45. February 2017 "A network view of working memory," Keynote Lecture, Visual Working Memory Conference, NYU Abu Dhabi, Abu Dhabi, United Arab Emirates.
46. October 2017 "Where is the "top" in top-down executive control? Cognitive Neuroscience of Executive Functions International Meeting, Padua, Italy.
47. October 2017 "Where is the "top" in top-down control?: Keynote Lecture, Cognitive Control Processes meeting, Amsterdam, Netherlands.
48. December 2019 "Where is the "top" in top-down control?: ZiF Research Group Workshop, Cognitive Behavior of Humans, Animals and Machines: Situation Model Perspective, Center for Interdisciplinary Research, University of Bielefeld, Bielefeld, Germany.
49. November 2020. "The Modular Brain." Killam Lecture, Montreal Neurological Institute, McGill University, Montreal, ON, Canada.

Popular Media

1. Sept 14, 2012 Television interview on the topic of "Cognitive Neuroscience" on the show "Sane Society" hosted by Tom Palmer, <http://www.youtube.com/watch?v=axgUQdG3rb0>
2. Mar 2, 2018 Thrive Global website article entitled "The Real Social Network We Should Be Obsessed With? Our Brain. <https://community.thriveglobal.com/the-real-social-network-we-should-be-obsessed-with-our-brain/>
3. May 2019 The impact of focal lesions on brain organization. <https://www.youtube.com/watch?v=zveUXG9MSzE&feature=youtu.be>
4. March 2023 Video lecture to Cognitive Neuroscience Society titled: "A tale about the frontal lobes as told by a neurologist". <https://www.youtube.com/watch?v=y0QoFtlzdE>
5. December 2023 Psychology Today article entitled "Stop Handicapping Your Brain Capital: Play Golf." <https://www.psychologytoday.com/us/blog/building-brain-capital/202311/stop-handicapping-your-brain-capital-play-golf>

Scientific Symposium and Courses Organized

May, 1997	Seminar entitled "Behavioral Neurology for the Practicing Neurologist", American Academy of Neurology, Boston, MA.
May, 1998	Seminar entitled "Behavioral Neurology for the Practicing Neurologist", American Academy of Neurology, Minneapolis, MN.
May, 1999	Seminar entitled "Behavioral Neurology for the Practicing Neurologist", American Academy of Neurology, Toronto, Canada.
May, 2000	Seminar entitled "Behavioral Neurology for the Practicing Neurologist", American Academy of Neurology, San Diego, CA.
April, 2000	Satellite symposium at the Cognitive Neuroscience Society meeting, "Issues and concerns in experimental design and analysis of fMRI data", San Francisco, CA.
April, 2001	Course entitled, "Behavioral Neurology: Issues in Cognitive Neuroscience, American Academy of Neurology, Philadelphia, PA.
April, 2002	Course entitled, "Behavioral Neurology: Issues in Cognitive Neuroscience, American Academy of Neurology, Denver, CO.
June, 2001	2001 Summer Institute in Cognitive Neuroscience, Course entitled "Imaging and Cognition", Dartmouth College, Hanover, NH.
April, 2003	Course entitled, "Behavioral Neurology: Issues in Cognitive Neuroscience, American Academy of Neurology, Honolulu, HI.

Aug, 2004	The Second International Conference on Working Memory, Kyoto, Japan.
Oct 2004	Symposium entitled, "Neurochemical basis of memory systems", Memory Disorders Research Society Annual Meeting, NY, NY.
April, 2006	Symposium entitled, "Dopamine and Flexible Behavior", Cognitive Neuroscience Society Annual Meeting, San Francisco, CA
April, 2009	Symposium entitled, "Cognitive Neuroscience Highlights", Society for Behavioral and Cognitive Neurology Annual Meeting, Seattle, WA.
April, 2010	Symposium entitled, "Current Concepts in Cognitive Neuroscience: Implications for Neurological Disease: Integrated Neuroscience Series", American Academy of Neurology Annual Meeting, Toronto, Canada.
Mar, 2011	Symposium entitled, "Reprogramming the Human Brain: Cognitive Control: From Bench to Bedside, Co-sponsored by the UT Dallas Center for Brain Health and Helen Wills Neuroscience Institute, Berkeley, CA.
April, 2012	Symposium entitled, "Current Concepts in Cognitive Neuroscience: Non-Memory Systems in the Brain: Integrated Neuroscience Series", American Academy of Neurology Annual Meeting, New Orleans, LA.
Mar, 2013	Symposium entitled, "Reprogramming the Human Brain: The Cognitive Neuroscience of Decision-Making and Addiction, Co-sponsored by the UT Dallas Center for Brain Health and Helen Wills Neuroscience Institute, Berkeley, CA.
Mar, 2015	Symposium entitled, "Reprogramming the Human Brain: Emerging Brain Imaging Technologies", Co-sponsored by the UT Dallas Center for Brain Health and Helen Wills Neuroscience Institute, Berkeley, CA.
Mar, 2017	Symposium entitled, "Reprogramming the Human Brain: Brain Training", Co-sponsored by the UT Dallas Center for Brain Health and Helen Wills Neuroscience Institute, Berkeley, CA.

Bibliography

Books

D'Esposito M (Editor). Neurological Foundations of Cognitive Neuroscience, MIT Press, 2002.

Devinsky O & **D'Esposito M**. The Neurology of Cognitive and Behavioral Disorders, Oxford University Press, 2003.

D'Esposito M (Editor). Functional MRI: Applications in Clinical Neurology and Psychiatry, Taylor & Francis, 2006.

Logie R & **D'Esposito M** (Editors), Working Memory in the Brain: Special Issue of Cortex, Masson, 2007.

Osaka N, Logie R, **D'Esposito M** (Editors), Working Memory: Behavioral and Neural Correlates, Oxford University Press, 2007

Jagust W & **D'Esposito M** (Editors), Imaging the Aging Brain, Oxford University Press, 2009.

D'Esposito M & Grafman J. The Frontal Lobes, Handbook of Neurology, Elsevier, 2019.

Research publications

H-Index: 140

Total Citations: 70,701

1. **D'Esposito M**, Albert M. The pharmacology of memory, In: Memory and Aging, Symposium of the National Foundation of Gerontology, Paris, France, 1991.
2. **D'Esposito M**, McGlinchey-Berroth R, Alexander MP, Verfaellie M, Milberg, W: Dissociable cognitive and neural mechanisms of neglect. Neurology, 43:2638-2644, 1993.
3. Wolfe N, Linn RT, Babikian VL, Knoefel JE, **D'Esposito, M**, Albert ML. Are multiple infarcts synergistic? Archives of Neurology, 51:211-215, 1994.
4. Grossman M, Armstrong C, Onishi K, Thompson H, Schaefer B, Robinson K, **D'Esposito M**, Cohen J, Brennan D, Rostami A, Gonzalez-Scarano F, Kolson D, Constantinescu C, Silberberg, D. Patterns of cognitive impairment in relapsing-remitting and chronic-progressive multiple sclerosis, Neuropsychiatry, Neuropsychology & Behavioral Neurology, 7:194-210, 1994.
5. Fischer RS, Alexander MP, **D'Esposito M**, Otto R. Neuropsychological and neuroanatomical correlates of confabulation. Journal of Experimental & Clinical Neuropsychology, 17:20-28, 1995.
6. **D'Esposito M**, Alexander MP. Subcortical aphasia: distinct profiles following left putaminal hemorrhage, Neurology, 45:38-41, 1995.
7. **D'Esposito M**, Alexander MP. The clinical profiles, recovery and rehabilitation of memory disorders, Neurorehabilitation, 5:141-159, 1995.
8. **D'Esposito M**, Verfaellie M, Alexander MP, Katz DI. Amnesia following bilateral traumatic fornix transection, Neurology, 45:1546-1550, 1995.
9. Grossman M, Peltzer L, **D'Esposito M**, Alavi A, Reivich M. (1995) Recovery of function after focal cerebral insult: a PET activation study. In L. Cermak, Neuropsychological explorations of Memory and Cognition: Essays in Honor of Nelson Butters, New York, Plenum Press, pp. 201-214.
10. Grossman M, Robinson KM, Onishi K, Thompson H, Cohen J, **D'Esposito M**. Sentence comprehension in multiple sclerosis. Acta Neurol Scand, 92:324-331, 1995.
11. **D'Esposito M**. Profile of a neurology residency: what have we done? Archives of Neurology, 11:1123-1126, 1995.
12. **D'Esposito M**, Detre AJ, Alsop DC, Shin RK, Atlas S, Grossman M. The neural basis of the central executive system of working memory, Nature, 378:279-281, 1995.
13. Biassou N, Grossman M, Onishi K, Mickanin J, Hughes E, Robinson K, **D'Esposito M**. Phonological processing deficits in Alzheimer's disease. Neurology, 45:2165-2169, 1995.

14. **D'Esposito M**, Grossman M, Onishi K, Thompson H, Robinson K, Armstrong C. Working memory impairments in multiple sclerosis: evidence from a dual-task paradigm, Neuropsychology, 10:1-6, 1996.
15. Grossman M, Galetta S, Ding XS, Morrison D, **D'Esposito M**, Jaggi J, Alavi A, Reivich M. Clinical and positron emission tomography in visual apperceptive agnosia, Neuropsychiatry, Neuropsychology & Behavioral Neurology, 9:70-77, 1996.
16. Grossman M, Mickanin J, Onishi K, Hughes E, **D'Esposito M**, Alavi A, Reivich, M. Progressive non-fluent aphasia: language, cognitive and PET measures contrasted with probable Alzheimer's disease, Journal of Cognitive Neuroscience, 8:135-154, 1996.
17. Atlas SW, Howard RW, Maldjian J, Alsop D, Detre JA, Listerud J, **D'Esposito M**, Judy K, Zager E, Stecker M. Functional MRI of regional brain activity in patients with intracerebral gliomas: findings and implications for clinical management, Neurosurgery, 38:329-338, 1996.
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22. Grossman M, **D'Esposito M**, Hughes E, Onishi K, Biassou N, White-Devine T, Robinson KM. Language comprehension profiles in Alzheimer's disease, vascular dementia, and fronto-temporal degeneration, Neurology, 47:183-189, 1996.
23. Armstrong C, Onishi K, Robinson K, **D'Esposito M**, Thompson H, Grossman M. Serial position and temporal cue effects in multiple sclerosis: two subtypes of defective memory mechanisms, Neuropsychologia, 9:853-862, 1996.
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25. Ween JE, Alexander MP, **D'Esposito M**, Roberts M. Factors predictive of stroke outcome in a rehabilitation setting. Neurology, 47:388-392, 1996.
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100. Rypma B, **D'Esposito M**. Age-related changes in brain-behavior relationships: evidence from event-related functional MRI studies, In: U.Mayr, D.Spieler & R.Kliegl (Eds.). Ageing and executive control. Psychology Press, Hove, UK, 2001.
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194. Finn A, Sheridan M., Hinshaw S, **D'Esposito M.**. Developmental changes in prefrontal and hippocampal connectivity during working memory: a longitudinal fMRI study. (Presented at the Cognitive Neuroscience Society, San Francisco, CA, April 2008).
195. Novakovic-Agopian T, Rome S, Song S, McKim R, Castelli H, Britton M, Rossi A, Abrams G, **D'Esposito, M**, Chen A. Rehabilitation of executive functioning with goal self management training: theory, application and pilot study results. (Presented at the National Polytrauma System of Care Conference, San Diego, CA, June 2008).

196. Kayser AS, Badre D, Sakanaka K, Erickson DT, **D'Esposito M.** The rostro-caudal axis of the frontal lobe and learning of hierarchical rules. (Presented at the Society for Neuroscience meeting, Washington DC, November 2008).
197. Finn AS, Buchsbaum BR, Hudson Kam CL, **D'Esposito M.** Neural mechanisms underlying implicit, auditory-verbal sequence learning in children. (Presented at the Society for Neuroscience meeting, Washington, DC, November 2008).
198. Erickson DT, Buchsbaum, B, Kayser AS **D'Esposito M.** Diffusion, accumulation, and decisions - an fMRI study. (Presented at the Society for Neuroscience meeting, Washington, DC, November 2008).
199. Purmann S, Fiebach CJ., **D'Esposito M.** Suppression of task irrelevant information as a mechanism of task-set induced attentional control in the Stroop task. (Presented at the Cognitive Neuroscience Society, San Francisco, CA, Mar, 2009)
200. Nomura EM, Gratton C, **D'Esposito M.** Effect of TMS on Coherence of Resting State Networks. (Presented at the Organization for Human Brain Mapping, San Francisco, CA, June 2009)
201. Vytlacil, J, Gibbs, S, Chen, A, **D'Esposito, M.** Dopamine levels modulate the effects of attention on activation patterns in visual association cortex (presented at the Organization for Human Brain Mapping, San Francisco, CA, June 2009)
202. Wallace DL, Vytlacil, J., Gibbs, S., Nomura, E., **D'Esposito, M.** The effect of dopamine on functional connectivity, working memory and individual differences (presented at the Organization for Human Brain Mapping, San Francisco, CA, June 2009)
203. Jacobs E, **D'Esposito M.** Individual differences in cognition: How a person's hormonal state and genetic background impacts prefrontal cortical function. (Presented at the Organization for Human Brain Mapping, San Francisco, CA, June 2009)
204. Song S, Turner G, Jacobs E, Nycum T, **D'Esposito M**, Chen A. Attention reduces variability of goal-relevant perceptual representations within visual association cortex. (Presented at the Organization for Human Brain Mapping, San Francisco, CA, June 2009)
205. Jacobs EC, **D'Esposito M.** Estrogen shapes dopamine-dependent cognitive processes in prefrontal cortex. (Presented at the Society for Neuroscience meeting, Chicago, IL, October 2009).
206. Nomura EM, Visser RM, Gratton C, **D'Esposito M.** Altered resting state functional connectivity following focal brain lesions: support fro the dual-networks hypothesis of top-down control. (Presented at the 39th Annual Society for Neuroscience meeting, Chicago, IL, October 2009)
207. Blumenfeld RS, **D'Esposito, M.** Distinguishing the roles of prefrontal subregions during long-term memory encoding. (Presented at the Society for Neuroscience meeting, Chicago, IL, October 2009)
208. Fegen D, Buchsbaum B, **D'Esposito M.** Network Dynamics Responsible for Maintaining Task-Relevant Information. (Presented at the Society for Neuroscience meeting, Chicago, IL October 2009)
209. Miyakawa A, Cools R, Vytlacil J, Wallace DL, **D'Esposito M.** Dopaminergic modulation of distractor-resistance during working memory performance as a function of trait impulsivity as a function of trait impulsivity; a pharmacological fMRI study. (Presented at the Society for Neuroscience meeting, Chicago, IL, October 2009).

210. Cohen JR, Sreenivasan KK, **D'Esposito, M.** Successful working memory maintenance recruits regions involved in encoding. (Presented at the Organization for Human Brain Mapping meeting, Barcelona, Spain, June 2010)
211. Miyakawa A, Klemfuss N, Wallis JD, Cools R, **D'Esposito M**, Ivry RB Neural Correlates of Well-Learned Choices. (Presented at the Human Brain Mapping meeting, Barcelona, Spain, June 2010)
212. Nomura EM, Gratton C, Perez F, **D'Esposito M.** Dissociable Effects of Focal Brain Lesions on Cognitive Control Networks. (Presented at the Organization for Human Brain Mapping, Barcelona, Spain, June 2010)
213. Gratton C, Nomura E, Perez F, **D'Esposito M.** Effects of frontal lesions on distal cortical network properties. (Presented at the Organization for Human Brain Mapping meeting, Barcelona, Spain, June 2010)
214. Vytlacil J, Asako M, **D'Esposito M.** Dopamine levels mediate resting connectivity between midbrain ROIs and prefrontal cortex (Presented at the Organization for Human Brain Mapping meeting, Barcelona, Spain, June 2010)
215. Novakovic--Agopian T, Chen AJW, Rome S, Rossi A, McKim R, Turner G, Garfinkle J, Kennedy C, Castelli H, Abrams G, Muir M, **D'Esposito M.** Assessment of Sub Assessment of Sub-components of Executive Functioning in Ecologically Valid Setting components of Executive Functioning in Ecologically Valid SettingGoal Processing Scale Goal Processing Scale (Presented at the American Neurological Association Meeting, San Francisco, CA, October 2010)
216. Cohen JC, Jacobs EC, **D'Esposito M.** The connectivity of intrinsic, task-independent networks during working memory. (Presented at the Society for Neuroscience meeting, San Diego CA, November 2010).
217. Willems RM, Labruna, L **D'Esposito M**, Ivry R & Casasanto D. A functional role for the motor system in language understanding. (Presented at the Society for Neuroscience meeting, San Diego CA, October 2010)
218. Lee, T., **D'Esposito, M.** TMS Induced Deactivation of Prefrontal Cortex Alters Enhancement of Task-Relevant Representation in Extrastriate Cortex. (Presented at the Society for Neuroscience Meeting, San Diego, CA, October 2010)
219. Nomura EM, Gratton C, Lee T, Yousef S, **D'Esposito M.** TMS induced deactivation of PFC alters category selectivity in extrastriate cortex. (Presented at the Society for Neuroscience meeting, San Diego, CA, November 2010)
220. Sreenivasan KK, Gratton C, Vytlacil J, **D'Esposito M.** Contributions of prefrontal and extrastriate cortex to visual working memory maintenance. (Presented at the Society for Neuroscience meeting, San Diego, CA, November 2010).
221. Wallace DL, Vytlacil JJ, Motes M, Rypma B, Kayser AK, and **D'Esposito M.** The relationship between body mass index and cognitive efficiency: a dopaminergic fMRI pharmacological study. (Presented at the Society for Neuroscience meeting, San Diego, CA, November 2010).
222. Brozinsky CJ, Yee LTS, Cohen NJ, **D'Esposito M.** Hippocampal and behavioral contributions to recollection at short delays. (Presented at the Society for Neuroscience meeting, San Diego, CA, November 2010).
223. Kayser AS, Badre D, **D'Esposito M.** Effects of prefrontal lesions on the acquisition of abstract action rules. (Presented at the Society for Neuroscience meeting, San Diego, CA, November 2010).

224. Novakovic-Agopian T, Chen A, Rome S, Rossi A, Murphy M, Abrams G, **D'Esposito M.** Long term effects of executive functioning training in attention regulation applied to individually defined goals. (Presented at the Palo Alto VA TBI Research Meeting, Palo Alto, CA, Mar 2011).
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226. Blumenfeld, R.S. Lee, T., Fidalgo, A. and **D'Esposito, M.** The effects of lateral prefrontal theta-burst stimulation on item memory encoding. (Presented at Cognitive Neuroscience Society meeting, San Francisco, April 2011).
227. Sreenivasan KK, Gratton C, Vytlacil JJ, and **D'Esposito M.** Contributions of prefrontal cortex, basal ganglia, and extrastriate cortex to visual working memory maintenance. (Presented at the Cognitive Neuroscience Society meeting, San Francisco, CA, April 2011).
228. Fegen, D., Buchsbaum, B., and **D'Esposito, M.** Role of Individual Cortical Areas and Network Dynamics in Maintaining Task-Relevant Information. (Poster presented at Cognitive Neuroscience Society meeting, San Francisco, CA, 2011)
229. Nomura EM, Gratton C, Perez F, **D'Esposito M.** Changes in the composition of modules following focal brain lesions. (Presented at the Organization for Human Brain Mapping meeting, Quebec City Canada, June 2011)
230. Blumenfeld, R.S., Nomura, E.M., Gratton, C. and **D'Esposito, M.** Distinct dorsal and ventral rostro-caudal gradients evident in resting-state connectivity (Presented at Organization for Human Brain Mapping meeting, Quebec City, July 2011)
231. Cameron IG, **D'Esposito M**, and Munoz DP. Task-related top-down control in response switching from Granger Causality Mapping of fMRI data. (Presented at the Organization for Human Brain Mapping meeting, Quebec City, QC, June 2011).
232. Brozinsky, CJ, **D'Esposito, M.** Prefrontal and medial temporal contributions to recognition over short retention intervals. (Presented at the Organization for Human Brain Mapping meeting, Quebec City, Quebec, Jun, 2011)
233. Blumenfeld, R.S. Lee, T., Fidalgo, A. and **D'Esposito, M.** The effects of lateral prefrontal theta-burst stimulation on item memory encoding. (Presented at Bay Area Memory Meeting, Berkeley, Aug 2011)
234. Cameron IG, **D'Esposito M**, and Munoz DP. Task-related top-down control in response switching from Granger Causality Mapping of fMRI data. (Presented at the Organization for Human Brain Mapping meeting, Quebec City, QC, November 2011).
235. Cohen JR and **D'Esposito M.** The comparison of task-related networks and resting state networks during working memory. (Presented at Organization for Human Brain Mapping meeting, Quebec City, Canada, June 2011).
236. Bahlmann J, Blumenfeld RS, and **D'Esposito M.** The rostro-caudal gradient of the lateral PFC is sensitive to the input domain. (Presented at the Societyfor Neuroscience meeting, Washington, DC, November 2011).
237. Gratton C, Sreenivasan, KK, Silver, M, **D'Esposito M.** Effects of feature-based attention on voxel tuning curves for individual faces. (Presented at the Society for Neuroscience meeting, Washington, DC, November 2012).

238. Lee TG, Blumenfeld RS, **D'Esposito M.** Disruption of Prefrontal Cortical Function Improves Memory Performance Without Awareness. (Presented at the Society for Neuroscience meeting, Washington, DC, November 2011).
239. Fegen, D., Buchsbaum, B., **D'Esposito, M.** Separating the Effects of Memory Load and Rehearsal Rate in Verbal Working Memory. (Poster presented at Society for Neuroscience meeting, Washington DC, 2011).
240. Vytlacil J, Sreenivasan K, and **D'Esposito M.** Decoding reveals the temporal evolution of working memory representations in prefrontal and extrastriate cortices (Presented at the Society for Neuroscience meeting, Washington, DC, November 2011).
241. Sreenivasan KK, Vytlacil JJ, and **D'Esposito M.** Functional and temporal characteristics of intra- and inter-regional working memory activity. (Presented at the Society for Neuroscience meeting, Washington, DC, November 2011).
242. Chiong W, Wilson SM, **D'Esposito M**, Zhou J, Grossman SN, Poorzand P, Miller BL, Rankin KP. Decreased default mode network activation during personal moral judgment in frontotemporal dementia. (Presented at the Society for Neuroscience meeting, Washington, DC, November 2011).
243. Yee, L.T.S., Brozinsky, C.J., **D'Esposito, M.**, & Cohen, N.J. (accepted). Relational memory retrieval at short delays under interference from recently encountered associations. (Presented at the Society for Neuroscience Conference, Washington, D.C, Nov, 2011)
244. Novakovic-Agopian T, Chen A, Rome S, Rossi A, Murphy M, Binder D, Abrams G, Muir J, Castelli H, Fitzsimmons R, **D'Esposito, M.**, Long Term Effects of Executive Functioning Training in Attention Regulation Applied to Individually Defined Goals. (Presented at the Santa Clara Valley Brain Injury Conference, San Jose, CA, Feb 2012).
245. Gratton C, Sreenivasan, KK, Silver, M, **D'Esposito M.** Effects of feature-based attention on voxel tuning curves for individual faces. (Presented at the Vision Science Society meeting, Naples, FL, May 2012)
246. Novakovic-Agopian t, Chen A, Abrams G, Rossi A, Binder D, Muir J, Murphy M, Carlin G, McKim R, Fitzsimons R. **D'Esposito M.** Goal-oriented attention regulation training in veterans with chronic TBI. (Presented at the American Academy of Neurology Annual Meeting, Chicago, IL, May, 2012).
247. Cohen JR, Gratton C, and **D'Esposito, M.** Variability in brain modularity is related to variability in behavior. (Presented at the Society for Neuroscience meeting, New Orleans, LA, October 2012).
248. Gallen CL, Gratton C, Nomura EM, Turner GR, and **D'Esposito M.** Changes in the modular organization of the brain in healthy aging. (Presented at the Society for Neuroscience meeting, New Orleans, LA, October 2012).
249. Sadaghiani S, **D'Esposito M.** Dissociating brain networks for alertness and selective attention. (Presented at the Society for Neuroscience meeting, Washington, DC, November 2011).
250. Sreenivasan KK, Vytlacil JJ, and **D'Esposito M.** Distractor-resistant working memory representations revealed by decoding analysis. (Presented at the Society for Neuroscience meeting, New Orleans, LA, November 2012).
251. Begany K, Nomura E, Gratton C, Chen A, **D'Esposito M.** Individual differences in response of brain injury patients to cognitive rehabilitation: evidence from analyses of functional brain networks. (Presented at the Society for Neuroscience meeting, New Orleans, LA, October 2012).

252. Gratton, C., Lee, T., Nomura, EM., **D'Esposito, M.** The effect of theta-burst TMS on cognitive control networks. (Presented at the Society for Neuroscience meeting, Washington DC, October 2012)
253. Vytlacil JJ, Sreenivasan KK, **D'Esposito M..** Dopamine improves working memory by enhancing extrastriate cortical representations of memory items. (Presented at the Society for Neuroscience meeting, New Orleans, LA. October 2012)
254. Wallace DL, Aarts E, Dang L, Greer SM, Jagust WJ, **D'Esposito M.** The effects of striatal dopamine on body mass index and decision-making related to food choice. (Presented at the Society for Neuroscience meeting, New Orleans, LA, October 2012).
255. White RL, Aarts E, and **D'Esposito M.** Dopamine-dependent changes in resting state brain network modularity predict differences in working memory response variability (Presented at the Society for Neuroscience meeting, New Orleans, LA, October 2012)
256. Novakovic-Agopian t, Chen A, Abrams G, Murphy M, Rossi A, Binder D, Muir J, **D'Esposito M.** Training in attention regulation applied to individually defined goals in veterans with chronic TBI. (Presented at the International Neuropsychological Society Meeting, Oahu, HI, Feb, 2013).
257. White RL, Aarts E, and **D'Esposito M.** Interactions of Resting State Brain Networks, Dopamine, and Working Memory Behavior: A Resting State Functional MRI Study (Presented at the Annual Meeting of the American Academy of Neurology, San Diego, CA, Mar 2013).
258. Shah M, Chen A, Begany K, Nycum T, Vas A, Yang FG, Krawczyk D, **D'Esposito M**, Chapman S. Targeted Cognitive Training Improves the Clarity of Neural Representation of Goal-Relevant Stimuli in Individuals with Traumatic Brain Injury (Presented at the Annual Meeting of the American Academy of Neurology, San Diego, CA, Mar 2013).
259. Blumenfeld, R.S., Bliss, D.P., Perez, F. and **D'Esposito, M.** Building connectomes from the CoCoTools database using CoCoTools. (Poster presented at Cognitive Neuroscience Society meeting, San Francisco, CA, 2013).
260. Fegen, D., Buchsbaum, B., and **D'Esposito, M.** Timing and Functional Connectivity of Cortical Regions Subserving Verbal Encoding and Rehearsal. (Poster presented at Cognitive Neuroscience Society meeting, San Francisco, CA., 2013).
261. Novakovic-Agopian T, Chen A, Abrams G, Rome S, Rossi A, Murphy M, Binder D, Muir J, Carlin G, Fitzsimmons R, Loya F, Burhns M, Rodriguez N, **D'Esposito, M.**, Long Term Effects of Executive Functioning Training in Chronic Brain Injury. (Presented at the National Academy of Neuropsychology, San Diego CA, Oct 2013).
262. Cohen, JR., Barber AD., Nebel MB., **D'Esposito, M**, Mostofsky, SH. Global brain organization is disrupted in children with ADHD. (Presented at the Society for Neuroscience meeting, San Diego CA, November 2013).
263. Dombovy, PL., Sadaghiani, S., Løvstad, M., Funderud, I., Knight, RT., Solbakk, A-K., **D'Esposito, M.** Lesion to the fronto-parietal adaptive control network impacts alpha-band phase synchrony. (Presented at the Society for Neuroscience meeting, Washington DC, October 2012)
264. Gratton C., Galen, C., **D'Esposito, M.** Focal lesions lead to functional plasticity in the roles of individual brain regions within large-scale networks. (Presented at the Society for Neuroscience meeting, San Diego, CA, November 2013)

265. Gallen CL, Turner GR, Gratton C, Novakovic-Agopian T, Chen AJW, **D'Esposito, M.** Changes in functional brain network organization after executive control training in older adults. (Presented at the Society for Neuroscience Meeting, San Diego CA, November 2013)
266. Chiong, W., Wood, KA., Kayser, AS., **D'Esposito, M.**, Rosen, HJ., Miller, BL., Kramer, JH. Neuroeconomic and clinical correlates of impulsivity in frontotemporal dementia. (Presented at the Society for Neuroscience meeting, San Diego CA, November 2013).
267. Rahnev, D., Larson, A., **D'Esposito, M.** Causal mapping of lateral prefrontal regions to separate stages of perceptual decision-making. (Presented at the Society for Neuroscience meeting, San Diego, November 2013)
268. Novakovic-Agopian t, Chen A, Abrams G, Murphy M, Rossi A, Binder D, Muir J, Carlin G, Loya F, Madore M. Fitzsimmons R. Rodriguez N, Pool E, Kiely T. Kossman A, **D'Esposito M.** Short and long term outcome of GOALs executive function training in veterans with chronic TBI. (Presented at the International Neuropsychological Society Meeting, Seattle, WA, Feb, 2014).
269. Chiong W, Wood KA, Kayser AS, **D'Esposito, M.**, Rosen H, Miller BL, Kramer. Neuroeconomic Measures of Impaired Decision-Making in Frontotemporal Dementia. (Presented at the Annual Meeting of the American Academy of Neurology, Philadelphia, April, 2014).
270. Rahnev, D., Larson, A., **D'Esposito, M.** Distinguishing three prefrontal processes in perceptual decision-making: A TMS-fMRI study. (Poster presented at Cognitive Neuroscience Society meeting, Boston, MA., April, 2014).
271. Nee, D.E. **D'Esposito, M.** The Organization of Prefrontal Cortex by Content and Control. (Poster presented at the Cognitive Neuroscience Society meeting, Boston, MA, 2014)
272. Bertolero, M.A., **D'Esposito, M.** There Is No "Best" Brain Parcellation for Complex Brain Networks —One Parcellation Is Not Sufficient. (Presented at the Society for Neuroscience Meeting, Washington DC, November 2014)
273. Gallen CL, Turner GR, Adnan A, **D'Esposito, M.** Task-based reorganization of brain networks in healthy aging. (Presented at the Society for Neuroscience Meeting, Washington DC, November 2014)
274. Sreenivasan KK, Vytlaclil J, **D'Esposito M.** Electrocorticographic correlates of high-precision working memory maintenance. (Presented at the Society for Neuroscience Meeting, Washington DC, November 2014).
275. Riddle JM, Cameron IGM, Rahnev D, **D'Esposito M.** Investigation of network connectivity with simultaneous TMS-fMRI. Presented at the Society for Neuroscience Meeting, Washington DC, November 2014
276. Rahnev D, Koizumi A, Lau H, and **D'Esposito M.** Confidence leak between independent tasks. Presented at the Vision Science Society meeting, St. Pete Beach, FL, May 2015.
277. Lorenc ES, Lee TG, Chen A, **D'Esposito M.** Disruption of prefrontal cortical function with TMS disrupts goal-directed visual processing. (Presented at the Organization for Human Brain Mapping Meeting, Honolulu, HI, June 2015)
278. Nee DE, **D'Esposito M.** Evidence for a hierarchical functional organization of the lateral prefrontal cortex. (Presented at the Organization for Human Brain Mapping Meeting, Honolulu HI, June 2015)

279. Hwang, K, **D'Esposito M.** (2015). Cortical connectomal diaschisis in patients with subcortical thalamic or striatal lesions. (Presented at the Organization for Human Brain Mapping Meeting, Honolulu, HI, June 2015).
280. Sreenivasan KK, Vytlacil J, **D'Esposito M.** Electrocorticographic correlates of high-precision working memory maintenance. (Presented at the Society for Neuroscience Meeting, Washington DC, November 2014).
281. Lorenc ES, Sreenivasan KK, Vandenbroucke ARE, Nee DE, **D'Esposito M.** Distractor resistance for precise visual working memory. (Presented at the Society for Neuroscience Meeting, Chicago, IL, October 2015).
282. Furman D, **D'Esposito M.** Dopaminergic modulation of resting functional connectivity depends on individual differences in dopamine system function. (Presented at the Society for Neuroscience Meeting, Chicago IL, October 2015).
283. White RL, **D'Esposito M.** Dopamine-dependent functional network reorganization in Parkinson's disease and its relationship to working memory. (Presented at the Society for Neuroscience Meeting, Chicago, IL, October 2015).
284. Rahnev J, Riddle J, Sheltraw D, Inglis B, **D'Esposito M.** Investigating brain connectivity with simultaneous TMS-fMRI. (Presented at the Society for Neuroscience Meeting, Chicago, IL, October 2015).
285. Gallen CL, Hwang K, Chen AJW, Jacobs EG, Lee TG, **D'Esposito M.** Influence of selective attention on brain network reconfiguration during working memory. (Presented at the Society for Neuroscience Meeting, Chicago IL, October 2015).
286. Tambini A, **D'Esposito M.** Post-encoding theta-burst TMS to lateral occipital cortex impairs associative memory retention. (Presented at the Society for Neuroscience Meeting, Chicago, IL, October 2015).
287. Cameron IG, Wallace D, Al-Zughoul A, Kayser AS, **D'Esposito M.** Effects of tolcapone and bromocriptine on cognitive flexibility in an anti-saccade task. (Presented at the Society for Neuroscience Meeting, Chicago IL, October 2015).
288. Bertolero MA, Yeo BTT, **D'Esposito M.** Dynamic Modularity and Integration during Spontaneous Neural Activity. (Presented at the Society for Neuroscience Meeting, Chicago, October 2015).
289. Nee, D.E. & **D'Esposito, M.** Causal evidence for the organization of the lateral prefrontal cortex by content and control. (Presented at the Society for Neuroscience Meeting, Chicago, IL, October 2015).
290. Hwang, K, Bertolero M, **D'Esposito, M.** Functional organization of the human thalamus and thalamocortical connectivity estimated by intrinsic functional connectivity (Presented at the Society for Neuroscience Annual Meeting, Chicago, IL, October 2015).
291. Baniqued PL, Gallen CL, Kranz MB, Kramer AF, **D'Esposito M.** Brain network predictors of cognitive training-related gains in young adults. (Presented at the Society for Neuroscience Meeting, Chicago, IL, October 2015).
292. Vandenbroucke ARE, Lorenc ES, Nee DE, de Lange FP, **D'Esposito M.** The neural correlates of unattended working memory representations. (Presented at the Society for Neuroscience Meeting, Chicago, October 2015).

293. Peters J, **D'Esposito M.** Parcellating effects of medial orbitofrontal cortex lesions on temporal discounting. (Presented at the Society for Neuroscience Meeting, Chicago, October 2015).
294. Vandenbroucke A., Rahnev D., **D'Esposito, M.** TMS to primary occipital cortex decreases feature-specific neural activity for orientation tuning. (Poster presented at Cognitive Neuroscience Society meeting, New York, NY., April 2016)
295. Hwang, K., Jagadeesh A., Yang R., **D'Esposito, M.** Goal-directed attention suppresses multivoxel pattern representation and reduces inter-regional coupling during distractor inhibition. (Poster presented at Cognitive Neuroscience Society meeting, New York, NY., April 2016)
296. Lorenc, E., Sreenivasan, K., Nee, D., Vandenbroucke, A., **D'Esposito, M.** Effects of distractors on visual working memory representations. (Poster presented at Vision Sciences Society meeting, St Pete Beach, FL., May, 2016).
297. Bertolero MA, Yeo BTT, **D'Esposito M.** Connector and local hub connectivity predicts modularity and performance in multiple cognitive tasks. (Presented at the Society for Neuroscience Meeting, San Diego, November 2016).
298. Eichenbaum A, Yousef SM, Gallen C, Pool ES, Chen AJW, Silver MA, **D'Esposito M.** Effects of attention state regulation training on resting-state functional connectivity. (Presented at the Society for Neuroscience Meeting, San Diego, November 2016).
299. Tambini A, Nee DE, **D'Esposito M.** Hippocampal-targeted theta-burst TMS stimulation enhances associative memory. (Presented at the Society for Neuroscience Meeting, San Diego, November 2016).
300. Hwang K, Shine MJ, Jagadeesh A, **D'Esposito M.** Neural substrates for modulating task-adaptive functional connectivity patterns. (Presented at the Society for Neuroscience Meeting, San Diego, November 2016).
301. Bliss DP, **D'Esposito M.** Serial dependence in spatial working memory: Attraction not swaps. (Presented at the Society for Neuroscience Meeting, San Diego, November 2016).
302. Riddle J, **D'Esposito M.** Beta frequency TMS disrupts top-down cognitive control. (Presented at the Society for Neuroscience Meeting, San Diego, November 2016).
303. Furman DJ, White R, Berry A, Jagust W, **D'Esposito M.** Dopaminergic modulation of intrinsic striatal functional connectivity varies with dopamine synthesis capacity. (Presented at the Society for Neuroscience Meeting, San Diego, November 2016).
304. Baniqued PL, Gallen CL, Voss MW, Wong CN, Cooke GE, Burzynska AZ, Duffy K, Fanning J, Ehlers D, Awick E, McAuley E, Kramer AF, **D'Esposito M.** Brain network predictors of training-related gains in older adults after exercise intervention. (Presented at the Society for Neuroscience Meeting, San Diego, November 2016).
305. Nee DE, Vandenbroucke ARE, Lorenc ES, **D'Esposito M.** Forward modeling in fMRI: efficacy and limits. (Presented at the Society for Neuroscience meeting, San Diego, November 2016).
306. Lurie DJL, Tambini A, Gratton C, **D'Esposito M.** Effects of continuous theta-burst transcranial magnetic stimulation on hemodynamic lag measured by BOLD fMRI. (Presented at the Society for Neuroscience Meeting, San Diego, November 2016).

307. Vandenbroucke, A. R. E., Nee, D. E., Lorenc, E. S., **D'Esposito, M.** Reading out future-relevant working memory representations with fMRI. (Poster presented at Cognitive Neuroscience Society meeting, San Francisco, CA, April 2017).
308. Muse-Fisher, C., Riddle, J., Scimeca, J., **D'Esposito, M.** Identification of frontal-striatal circuits with simultaneous TMS-fMRI. (Poster presented at Cognitive Neuroscience Society meeting, San Francisco, CA., Mar 2017)
309. Scimeca, J. M., Miller, J. A., **D'Esposito, M.** The effects of content-dependent competition on working memory capacity limits. (Poster presented at Vision Sciences Society meeting, St. Pete Beach, FL, May 2017).
310. Kiyonaga, A., Manassi, M., **D'Esposito, M.**, & Whitney, D. Context transitions modulate perceptual serial dependence. (Poster presented at the Annual Meeting of the Vision Sciences Society, St., Pete Beach, FL, May 2017).
311. Lorenc, E. S., **D'Esposito, M.** The neural mechanisms of precision in visual working memory for faces. (Poster presented at Vision Sciences Society Annual Meeting, St Pete's Beach, FL, May 2017).
312. Miller, J. A., Kiyonaga, A., Ivry, R., **D'Esposito, M.** Modulating the cortico-striatal output gate of working memory. (Poster presented at Society for Neuroscience Annual Meeting, Washington, D.C., November 2017).
313. Kiyonaga, A., Lurie, D.J., & **D'Esposito, M.** Network competition and reconfiguration during working memory processing. (Dynamic poster presented at Society for Neuroscience Annual Meeting, Washington, DC, November 2017).
314. Tambini, A., Lurie, D.J., Lapate, R.C., **D'Esposito, M.** Large-scale network connectivity changes underlying successful memory formation. (Poster presented at the Society for Neuroscience Conference, Washington, DC, November 2017).
315. Lapate, R.C., Hwang, K., Lurie, D. J., Bertolero, M., Tambini, A., **D'Esposito, M.** Topographic properties of the centromedial amygdala: Lateral prefrontal contributions and relevance to psychopathology. (Poster presented at the Society for Neuroscience Annual Meeting, Washington D.C., November 2017).
316. Riddle, J., Cellier, D., Dhanani, S., **D'Esposito, M.** Reactivation and suppression of working memory representations using frequency specific TMS. (Poster presented at annual meeting for the Society for Neuroscience, Washinton D.C, November 2017).
317. Naskolnakorn, R. J., Furman, J. D., White, L. R., **D'Esposito, M.** Taq1A genotype predicts dopamine's effects on amygdala-PFC functional connectivity. (Poster presented at the Society for Neuroscience Annual Meeting, Washington, DC, November 2017).
318. Vogelsang, DA, Furman, DF, Nee, DE, **D'Esposito, M.** Dopaminergic modulation of rostro-caudal fronto-striatal loops. (Poster presented at Cognitive Neuroscience Society meeting, Boston, MA, Mar 2018).
319. Lorenc, E., **D'Esposito, M.** Neural mechanisms of precision in visual working memory. (Poster presented at Cognitive Neuroscience Society meeting, Boston, MA., Mar 2018).
320. Eichenbaum, A., Scimeca, J., **D'Esposito, M.** Frontal Cortex Supports the Transfer of Hierarchical Task Structure to Novel Environments. (Poster presented at Cognitive Neuroscience Society meeting, Boston, MA., Mar 2018)

321. Lapate, R. C., Heckner, M., Martin, J., Wu, J., **D'Esposito, M.** LPFC representations support goal-oriented responses during emotional processing. (Poster presented at the annual meeting of the Society for Neuroscience, San Diego, CA, November 2018).
322. Kiyonaga, A., Miller, J.A., Ivry, R.B., **D'Esposito, M.** Cortico-striatal control over working memory output gating. (Talk presented at the annual meeting of the Society for Neuroscience, San Diego, CA, November 2018).
323. Scimeca, J. M., Vafai, Y., Huerta, W., Miller, J. A., **D'Esposito, M.** Feature-based attentional control over the contents of visual working memory. (Presented at the annual meeting for the Society for Neuroscience, San Diego, CA, November 2018).
324. Eichenbaum, A., Scimeca, J., **D'Esposito, M.** Learning to learn: Lateral frontal and cingulo-opercular cortex support the learning and transfer of hierarchical task structure. (Poster presented at the annual meeting for the Society for Neuroscience, San Diego, CA, November 2018).
325. Miller, J. A., Scimeca, J. M., Rose, N. S., **D'Esposito, M.** Attentional effects on working memory representations: comparing information-detection techniques and metrics. (Poster presented at the annual meeting for the Society for Neuroscience, San Diego, CA, November 2018).
326. Furman, D.J., **D'Esposito, M.** Human habenula tracks task and motivational context. (Poster presented at annual meeting for the Society for Neuroscience, San Diego, CA, November 2018).
327. Lurie, D. J., **D'Esposito, M.** (2018). Functional and structural network connectivity explain regional differences in intrinsic activity dynamics measured with resting fMRI. (Poster presented at the 48th annual meeting of the Society for Neuroscience, San Diego, CA, USA, November 2018).
328. Cookson, S. L., Lurie, D., **D'Esposito, M.** Different patterns of multiple network membership underly regions of the rostrocaudal hierarchy. (Poster presented at the annual meeting for the Society for Neuroscience, San Diego, November 2018).
329. Vogelsang, D. A., Riddle, J., Hwang, K., Cellier, D., **D'Esposito, M.** Dissociable roles for theta and beta frequency oscillations in cognitive control. (Poster presented at annual meeting for the Society for Neuroscience, San Diego, November 2018).
330. Lorenc, E., **D'Esposito, M.** Respective roles of frontoparietal and stimulus-selective visual regions in visual working memory for complex objects. (Talk presented at annual meeting for the Society for Neuroscience, San Diego, CA, November 2018).
331. Hwang, K., Shine, J.M., **D'Esposito, M.** The human intraparietal sulcus modulates task-evoked functional connectivity for cognitive control. Society for Neuroscience Annual Meeting. (Poster presented at annual meeting for the Society for Neuroscience, San Diego CA, November 2018).
332. Kiyonaga, A., Scimeca, J.M., & **D'Esposito M.** Dissociating the causal roles of frontal and parietal cortex in working memory capacity. (Poster presented at the Annual Meeting of the Organization for Human Brain Mapping, Rome, Italy, June 2019).
333. Lapate, R. C., Heckner, M., Sakkas, J., Ballard, I. C., **D'Esposito, M.** Representation and integration of goals and emotional valence in the amygdala-prefrontal circuitry. (Poster presented at the annual meeting of the Organization for Human Brain Mapping, Rome, Italy, June 2019).
334. Miller, J.A., Voorhies, W., **D'Esposito, M.**, Weiner, S.W. A new sulcal landmark in human prefrontal cortex. Organization for Human Brain Mapping Annual Meeting. (Talk presented at annual meeting for the Organization for Human Brain Mapping, Rome, IT, June 2019).

335. Eichenbaum, A., Pappas, I., Lurie, D.J., Cohen, J., **D'Esposito, M.** Longitudinal Functional and Behavioral Markers of Stable Individual Characteristics. Organization for Human Brain Mapping Annual Meeting. (Poster presented at annual meeting for the Organization for Human Brain Mapping, Rome, Italy, June 2019)
336. Lurie, D.J., **D'Esposito, M.** Network connectivity explains regional differences in intrinsic activity dynamics. (Poster presented at annual meeting for the Organization for Human Brain Mapping, Rome, Italy, June 2019).
337. Miller, J., Kiyonaga, A., Tambini, A., **D'Esposito, M.** Frequent, longitudinal sampling reveals learning-related changes in working memory substrates. (Poster presented at Cognitive Neuroscience Society meeting, Online, May 2020).
338. Ballard, I.C., **D'Esposito, M.** The Striatal Feedback Response Reflects Goal Updating. (Poster presented at Cognitive Neuroscience Society meeting, Online, May, 2020)
339. Ivanova MV, Pappas I, Herron TJ, Baldo JV, Raana Mohye R, Kayser AS. **D'Esposito, M**, Dronkers NF. Perfusion levels in the left hemisphere are associated with language outcomes in chronic post-stroke aphasia (Poster presented at the Society for the Neurobiology of Language meeting, Online, Oct 2020).
340. Ballard, I.C., Pappas, I., Horiki, S., Peters, J., **D'Esposito, M.** Orbitofrontal cortex lesions disrupt hippocampal connectivity in humans. (Poster presented at Cognitive Neuroscience Society meeting, Online, Mar, 2021).
341. Miller, J., Tambini, A., Kiyonaga, A., **D'Esposito, M.** Long-term learning transforms prefrontal cortex selectivity during working memory. (Poster presented at Cognitive Neuroscience Society meeting, Online, Mar 2021).
342. Shi, M., Cookson, S., Allegra, M., Reverberi, C., **D'Esposito, M.** Investigating the relationship between connectivity and activity in novel strategy identification. (Poster presented at Cognitive Neuroscience Society meeting, Online, Mar 2021).
343. Fung, G., Cookson, S., Louis, C., Moser, J., **D'Esposito, M.** Relating Processes of Executive Function in Women with Different COMT Polymorphisms. (Poster presented at Cognitive Neuroscience Society, Online, Mar 2021).
344. Scimeca, J.M., Kiyonaga, A., **D'Esposito, M.** Dissociating the causal contributions of frontal and parietal cortex in working memory capacity. (Poster presented at Cognitive Neuroscience Society meeting, San Francisco, CA, April 2022).
345. Ballard, I.C., Waskom, M., Nix, K., **D'Esposito, M.** Habits in goal-directed decision-making. (Symposium talk presented at Cognitive Neuroscience Society meeting, San Francisco, April, 2022).
346. Dworetzky A., Porter A, Sihan, F, Seitzman BA, Adeyemo B, Cohen J, **D'Esposito, M**, Petersen SE, Gratton C. Network connectivity explains regional differences in intrinsic activity dynamics. (Poster presented at annual meeting for the Organization for Human Brain Mapping, Glasgow, Scotland, June 2022)
347. Dworetzky A., Porter A, Sihan, F, Seitzman BA, Adeyemo B, Cohen J, **D'Esposito, M**, Petersen SE, Gratton C. Individual differences are stable across many years. (Poster presented at annual meeting for the Organization for Human Brain Mapping, Glasgow, Scotland, June 2022)

348. Ivanova MV, Pappas I, Inglis B, Pracar A, Herron TJ, Baldo JV, Kayser AS, **D'Esposito, M**, Dronkers NF. Cerebral perfusion in post-stroke aphasia and its relation to residual language abilities (Poster presented at the Academy of Aphasia, Philadelphia, PA, Online, Oct 2022).
349. Pagnotta M.F., Santo-Angeles A., **D'Esposito, M**, Sreenivasan KK. Alpha phase-coding supports feature binding in working memory. Poster presented at the Society for Neuroscience meeting, San Diego, CA, Nov 2022).
350. Ballard I.C., Pappas I, Kayser A.K., Furman D.J., Berry A.S., White R.L., Jagust W.J., **D'Esposito M**. Striatal dopamine influences the hemodynamic response in humans. Poster presented at the Society for Neuroscience meeting, San Diego, CA, Nov 2022).
351. Motzkin J.C., Proskey J, Bella J, Shaugnessy A, Starr P.A. Change E.F., **D'Esposito, M**, Shirvalkar P. Characterizing brain networks of analgesia in humans undergoing deep brain stimulation for chronic pain. Poster presented at the Society for Neuroscience meeting, San Diego, CA, Nov 2022.
352. Mohyee R, Elliott B, Pike M, Kring A, Olson IR, Breen E, Cohn B, Cirillo P, Krigbaum N, Olino, **D'Esposito, M**, Cogan A, Patwardan B, Ellman LM. Decreased hippocampal neurite density in middle-aged adults following prenatal exposure to maternal inflammation. Poster presented at the Society for Biological Psychiatry meeting, San Diego, CA, April 2023.
353. Mohyee R, Elliott B, Pike M, Kring A, Olson IR, Breen E, Cohn B, Cirillo P, Krigbaum N, Olino, **D'Esposito, M**, Cogan A, Patwardan B, Ellman LM. Decreased hippocampal neurite density in middle-aged adults following prenatal exposure to maternal inflammation. Poster presented at the Psychoneuroimmunology Research Society , Boulder, CO, June 2023.
354. Pagnotta MF, Riddle J, **D'Esposito, M**. Different levels of hierarchical cognitive control are distinctively coordinated by delta and theta neural oscillations in frontoparietal association networks Poster presented at the Society for Neuroscience meeting, Washington DC, Nov 2023.
355. Ballard, I.C, Furman, D., Berry, A., White, R., Jagust, W.J., Kayser, A., D'Esposito, M. D2 Dopamine Receptors Control the Balance between Explicit and Implicit Behavioral Control. Poster to be presented at annual meeting for the Association for Psychological Science, San Francisco, CA, May 2024).
356. Tambini A, Xu T, Nenning K-H, **D'Esposito M**, Colcombe SJ, Milham MP. Memory reactivation during rest is coupled with fluctuations in ongoing brain states (Poster presented at annual meeting for the Organization for Human Brain Mapping, Seoul, Korea June 2024).