Fumiko Hoeft MD PhD

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SUMMARY

Fumiko Hoeft MD PhD is Professor of Psychological Sciences, Director of Brain Imaging Research Center (BIRC) at UCONN, and Director of Laboratory for Learning Engineering and Neural Systems (brainLENS.org) located at UCONN/UCSF. She also has appointments as Professor of Psychiatry at UCONN Health, Senior Scientist & Senior Advisor of Strategic Planning at Haskins Laboratories, Co-Director of Haskins L^2 (Language & Literacy) Global Innovation Hub, Adjunct Professor of UCSF Psychiatry, Weill Institute for Neurosciences and Dyslexia Center, and Adjunct Faculty at Keio Univ SoM Psychiatry. She has previously held faculty positions at Stanford and UCSF prior to her current appointment.

Hoeft is a ***neurophysiologist, as well as a systems and developmental cognitive neuroscientist with theoretical interests in the neurobiological mechanisms underlying individual differences in brain maturational processes, acquisition of skills such as literacy and how they interact***. She is also interested in identifying how biology (gene) and environment influence neurodevelopment. In her research, her lab employs a variety of neuroimaging techniques (e.g. fMRI, T1 aMRI, DWI, MRS, NIRS, EEG/MEG, TMS/tDCS), analytical approaches (e.g. machine learning, graph theory), designs (e.g. intergenerational neuroimaging, imaging genetics, human natural cross-fostering design), and perturbation techniques (e.g. neuromodulation using TMS/tDCS, perturbation of English literacy acquisition through foreign language/literacy learning, and atypical populations such as dyslexia). She is also engaged in translational programs focused on the science of resilience, compensation and socio-emotional competency, as well as developing and validating edtech tools such as: (1) APPRISE that assesses school readiness and dyslexia risk; and (2) Socio-Emotional Toolkit that assesses socio-emotional competencies in those with learning challenges. Hoeft received pre/postdoctoral research training at Harvard, UCLA, Caltech and Stanford.

Recent honors include awards from the International Dyslexia Association (IDA; 2014), Learning & the Brain Foundation (2015), University of California Office of the President (2016), Int'l Mind Brain & Education Society (IMBES; 2018), and Society for Neuroscience (SfN; 2018). She has published over 130 articles, reviews, and book chapters, and has delivered over 160 keynotes, talks and workshops at venues such as local schools, International conferences, TEDx and the White House. Her work has been widely covered in media such as The New York Times, NPR, CNN, the New Yorker, and Scientific American. She also serves on many boards at organizations such as the International Dyslexia Association (IDA) and National Center for Learning Disabilities (NCLD), and Bay Area Discovery Museum's (BADM) Center for Childhood Creativity (CCC).

EDUCATION

2003 PhD in Neuroscience and Neurophysiology.
Department of Neuropsychiatry, Keio University School of Medicine, Tokyo, Japan

1995 BSc/MD. Keio University School of Medicine, Tokyo, Japan
Japanese National Board for Medicine Examination and Licensure

CLINICAL TRAINING

1995 - 2001 Intern in Emergency Medicine and Internal Medicine
Resident, Clinical Fellow & Clinical Neurophysiology Fellow, Department of Neuropsychiatry
Keio University School of Medicine, Tokyo, Japan

1989 - 1995 Medical Student
Keio University School of Medicine, Tokyo, Japan

1994 Visiting Medical Student, Department of Psychiatry & Pain Clinic
Mayo Clinic, Minnesota USA

RESEARCH TRAINING

2003 - 2005 Postdoctoral Fellow in Cognitive Neuroscience
Department of Psychology, Stanford University, CA USA
Advisor: John Gabrieli PhD

2000 - 2003 Predoctoral Fellow in Systems Neuroscience
Computation & Neural Systems, Division of Biology, California Institute of Technology (Caltech), CA USA
Advisor: Shinsuke Shimojo PhD

2000 - 2002 Predoctoral Fellow in Cognitive Neuroscience
Brain Mapping Center, UCLA School of Medicine, CA USA

1998 - 2000 Predoctoral Fellow in Neurophysiology
Division of Behavioral Neurology, Department of Neurology, Beth Israel Deaconess Medical Center, Harvard Medical School, MA USA
Advisor: Alvaro Pascual-Leone MD PhD

POSITIONS

2018 - Professor of **Neuroscience, UConn Health**, CT USA

2018 - Professor of **Psychological Sciences, UConn**, CT USA

2018 - Director of **Brain Imaging Research Center (BIRC), UConn**, CT USA [birc.uconn.edu]

2018 - Professor of **Psychiatry, UConn Health**, CT USA

2018 - Faculty Affiliate of **CT Institute for Brain and Cognitive Sciences (IBaCS), UConn**, CT USA

2018 - Co-Director, **Haskins Global L² (Language & Literacy) Innovation Hub**, CT USA

2017 - Co-Director (2018-), Founder & Executive Director (2017-2018), Multi-University **Precision Learning Center** (PrecL), CA USA [PrecisionLearningCenter.org]

2012 - Adjunct Professor (8/23/2018-), Professor (2017-2018), Associate Professor (2012-2017), **Department of Psychiatry & Weill Institute for Neurosciences, UCSF**, CA USA

2012 - Deputy Director (2017-), Co-Founder & Board (2012-), **Dyslexia Center, UCSF**, CA USA [dyslexia.UCSF.edu]

2012 - Director, Laboratory for Learning Engineering & Neural Systems, a.k.a. Laboratory for Educational Neuroscience (**brainLENS**), **UCSF**, CA USA & **UConn**, CT USA [brainLENS.org]

2012 - Senior Advisor of Strategic Planning (2017-), Senior Research Scientist (2012-), **Haskins Laboratories**, CT USA [haskins.yale.edu]

2011 - Adjunct Faculty, Neuropsychiatry, **Keio University** School of Medicine, Tokyo Japan [psy.keiomed.jp]

2004 - 2013 Visiting Associate Professor (2012-2013), Instructor (2008-2011), Senior Research Scientist (2006-2008), Research Associate (2004-2006), Department of Psychiatry and Behavioral Sciences, **Stanford University** School of Medicine, CA USA

2008 - 2011 Associate Director, Center for Interdisciplinary Brain Sciences Research (CIBSR; aka Division of IBS), **Stanford University** School of Medicine, CA USA

2003 - 2007 Visiting Scientist, Division of Biology, **Caltech**, CA USA

BOARDS

2018 - Co-Chair, International Dyslexia Association (IDA) Scientific Advisory Board

2016 - Boon Philanthropy, Educational Board

2016 - National Center for Learning Disabilities (NCLD) Professional Advisory Board

2015 - International Dyslexia Association (IDA) Board of Directors; Nominations and Award Sub-Committees

2012 - UCSF Dyslexia Center Board

2012 - Bay Area Discovery Museum (BADM), Center for Childhood Creativity (CCC) Scientific Advisory Board

2004 - 2006 World Association for Young Psychiatrists and Trainees (WAYPT) Board Member

2002 WAYPT Co-Founder

UNIVERSITY SERVICES

2018 - 2019 UConn Presidential Committee to revisit the University Senate Committee of Three procedures

2016 - 2018 UCSF Department of Psychiatry, Resident Training Program (RTP), Neuroscience Task Force

2016 - 2018 UCSF Research Allocation and Evaluation Committee (REAC) [Council]

2013 - 2018 UCSF Child and Adolescent Psychiatry Grand Rounds Committee

2017 - 2018 UCSF Department of Psychiatry, Research & Clinical Annual Retreat Planning Committee

2013 - 2017	UCSF Resource Allocation Program (RAP) Career Development Review Committee
2013 - 2016	UCSF Department of Psychiatry, Otswald Lecture Planning Committee
2013 - 2015	UCSF Department of Psychiatry, Faculty Council
2003 - 2005	Stanford University Postdoctocal Association, National Postdoctoral Association Liason

GRANT REVIEW PANELS

2013	NIH DP5 Review Panel NH DP5 Review Panel ZRG1 BBBP-E 53 R, March 2013
2011	NICHD Learning Disabilities Research Center (LDRC) P50 Grant Review Committee ZHD1 DSR-H (53), July 2011
2008	Review Panel, Surgical Sciences, Biomedical Imaging and Bioengineering IRG, NIH USA, December 2008
2002	Advisory Panel, Cognitive Neuroscience Program, NSF, June/December 2002.

EDITORIAL BOARDS

2018 -	Current Opinion in Behavioral Sciences
2016 -	Psychological Science
2015 -	Mind Brain and Education Journal (Associate Editor)
2014 -	American Education Research Association (AERA) Open
2014 - 2018	New Directions for Child and Adolescent Development (Associate Editor)
2009 - 2012	Open Journal of Neuroscience
2008 - 2011	Frontiers in Human Neuroscience
2007 - 2010	The Open Medical Imaging Journal

AD HOC REVIEWER

Journals	AERA Open, Am J Ment Retard, Ann Neurol, Arch Gen Psychiatry, Biol Psychiatry, Biol Psychol, Bipolar Disord, Brain, Brain Lang, Brain Struct Funct, Cereb Cortex, Conscious Cogn, Dev Cog Neurosci, Dev Neuropsych, Dev Sci, Exp Brain Res, Eur J Neurosci, Front Hum Neurosci, Hum Brain Mapp, Int J Dev Neurosci, Int J Neuropsychopharmacol, Invest Radiol, J Cogn Neurosci, J Exp Psychol Gen, JIDD, J Learn Disabil, J Neurosci, J Psychiatr Res, Lang Cogn Process, Ment Retard Dev Disabil Res Rev, Mind Brain and Educ (MBE), Neurocase, NeuroImage, NeuroImage Clinical, Neuropsychologia, Neurosci Lett, New Directions for Child and Adolesc Develop (NDCAD), Pain Med, PLoS ONE, Proc Natl Acad Sci USA (PNAS), Psychiatric Res, Psychol Sci, Psychophysiology, Scand J Psychol, TOMJ, The Tohoku J Exp Med

Grants

Cognitive Neuroscience Program, National Science Foundation (NSF) of the U.S.
European Research Council (ERC) of the European Commission (EC)
Neurological Foundation of New Zealand
Medical Research Council (MRC) of the U.K.
National Institute of Health (NIH) of the U.S.
Research Allocation Program (RAP) of UCSF, CA USA
US – Israel Binational Science Foundation (BSF)

SPECIAL ISSUES / EDITED BOOKS

2017	Paul H. Brookes Publishing Co., Inc. (Baltimore) "Dyslexia and Neuroscience. Geschwind-Galaburda Hypothesis, 30 years Later *(The Extraordinary Brain Series).*" Editor with Albert Galaburda, Nadine Gaab, and Peggy McCardle
2016	Current Opinion in Behavioral Sciences "Neuroscience of Education" - Guest Editor with John Gabrieli (MIT) and Denes Szucs (Cambridge University)
2009	Developmental Disabilities Research Review "Cognitive Profiles in Sex Chromosome Disorders" – Guest Editor with Judith Ross (Jefferson University)

CONFERENCE ORGANIZER

2019 -	Annual Learning and the Brain Conference Sponsor. Boston MA, USA
2018 -	IDA Annual Meeting Conference Committee, Research Sub-Committee, Awards Sub-Committee
2017	Global L^2 (Language & Literacy) Innovation Hub Workshop: "EdTech to Enhance Early Language & Reading Acquisition, and Reading Comprehension: Cross-Language and Global Perspectives. Jyvaskyla Finland – Co-Organizer with Heikki Lyytinen (U Jyvaskyla), Ken Pugh (Haskins Labs) and Ovid Tzeng (Univ Systems of Taiwan). Dec 2017
2017	Post Cognitive Neuroscience Society Annual Meeting Post-Conference Symposium: "Biological and Environmental Factors that Impact Multilingual/Literacy Acquisition". San Francisco CA, USA - Co-Organizer with Jason Zevin (University of South California) and Roeland Hancock (UCSF). March 2017
2016	The Dyslexia Foundation (TDF) Bienniel Research Symposium: "The Geschwind-Galaburda Hypothesis: 30 years later". St. Croix. US Virgin Island, USA - Co-Organizer with Albert Galaburda (Harvard) and Nadine Gaab (Harvard). June 2016
2015, 17, 19	Bienniel Innovative Learning Conference Organizing Committee. San Francisco CA USA
2014 - 2018	Annual Learning and the Brain Conference Sponsor. San Francisco CA, USA
2015 - 2017	TDF Conference for Educators and Parents. San Francisco CA, USA
2014	Joint UCSF – Dyslexic Advantage Scientific Symposium: "Dyslexia Beyond Reading: Memory, Cognition, Expertise, and Innovation". San Francisco CA, USA, Co-Organizer. March 2014
2009 - 2013	Annual Cognitive Neuroscience Society (CNS) Meeting, Poster Committee Member

2003 WAYPT Meeting. San Francisco, CA USA, President & Organizer. May 2003

1999 - 2002 XII World Congress of Psychiatry (WCP). Yokohama, Japan, Committee Member for Public Relations. August 2002

1999 - 2002 XII WCP. Yokohama, Japan, Fellowship and Young Participants Committee Member. August 2002

1999 - 2000 TMS Continuing Medical Education (CME) Course Coordinator. Department of Neurology, Beth Israel Deaconess Medical Center, Harvard Medical School, MA USA

1998 - 1999 XI WCP Committee Member for Young Psychiatrists. Hamburg, Germany. August 1999

1997 - 1998 International Conference in Collaboration with World Psychiatric Association (WPA) and World Health Organization (WHO), Committee Member: "Rethinking Somatoform Disorder". Tokyo, Japan. February 1998;

SESSION CHAIR / ORGANIZER

2018 *Using the Neuroscience of Learning Difficulties to Interpret and Implement 504 Accommodations.* Learning & the Brain Pre-Conference Workshop. San Francisco CA, USA. February 2018

2018 UC6-Stanford Precision Learning Center Annual Meeting. Davis CA, USA. January 2018

2017 *Nueva Intensives – Mini-Medical School (Neuroscience)*. Hillsborough CA, USA. November-December 2017

2017 *Using the Neuroscience of Learning Difficulties to Interpret and Implement 504 Accommodations.* IDA Symposium. Atlanta GA, USA. November 2017

2017 *Using the Neuroscience of Learning Difficulties to Interpret and Implement 504 Accommodations.* Learning & the Brain Pre-Conference Workshop. San Francisco CA, USA. February 2017

2017 UC6-Stanford Precision Learning Center Annual Meeting. Santa Barbara CA, USA. February 2017

2016 *The Geschwind Lecturer Trio, then, now and the future of the neuroscience of dyslexia.* IDA Conference, Preconference Workshop, Orlando FL, USA. October 2016

2013 *Dyslexia Session.* Symposium on L1 Reading Across Different Languages & L2 Literacy Acquisition. Jhongli City Taiwan. May 2013

2012 *Latest advances in neurobiological research on learning disabilities and its clinical implications.* Annual Meeting of AACAP. San Francisco CA, USA. October 2012

2011 *Nanosymposium Session 639. ADHD, SLI, Dyslexia, and Other Specific Disorders of Neurobehavior I.* Society for Neuroscience Annual Meeting. Washington DC, USA. November 2011

2003 WAYPT Meeting. San Francisco, CA USA. May 2003

2002 *New Biological Treatments in Psychiatry*. XII World Congress of Psychiatry (WCP). Yokohama, Japan. August 2002

2002 *Key Mental Health Challenges and Opportunities Across the World*. XII WCP. Yokohama, Japan. August 2002

1998 *Somatization in Different Cultures (II)*. International Conference in collaboration with WPA and WHO: Rethinking Somatoform Disorder. Tokyo, Japan. February 1998

TEACHING

Those in bold are courses either organized and directed by Hoeft, and/or taught exclusively by Hoeft. Additionally, Hoeft teaches science in public schools K-12, hosts field trips for students and teachers from various schools and non-profits, and runs a summer internship program for high school and college students.

2017 *Nueva Intensives – Mini-Medical School (Neuroscience)*. Hillsborough CA, USA. November-December 2017

2016 - UCSF brainLENS Neuroscience Exploration Program (summer internship program for high school and undergraduate students with a focus on for underrepresented populations)

2016 - 2017 UCSF Child & Adolescent Psychiatry Didactics: Neuroimaging of Psychopathology II, Neuroscience of Language Disorders, UCSF-UC Berkeley CAP, Ped Neurol, DBP, Clinical Psych, Problem Based Learning (PBL) on dyslexia (3x)

2016 Westmark School, CA USA. Professional Development

2016 Jefferson School, CA USA. PTA

2015 - 2016 UCSF Child & Adolescent Psychiatry Didactics: Neuroscience of Language, Learning disabilities (3x), Intervention for learning disabilities (2x), Neuroscience of dyslexia

2015 - 2016 Synapse School. Professional Development & Parent Education (5x)

2015 Silverston School, CO USA. PTA

2015 Lone Mountain Children's Center, CA USA. Professional Development Day

2015 UCSF Psychiatry Residents Symposium on Neurodevelopment:

2015 UCSF Child & Adolescent Psychiatry: Neurodevelopmental Formulation. Assessment and Care of Children with a Family History of Learning Disabilities

2014 International School of Bangkok, Thailand. Professional Development

2014 ABC Preschool, CA USA. Professional Development Day & PTA

2014 UCSF BioMedical Sciences (BMS) 270 - Human Neuroscience

2014 UCSF Child & Adolescent Psychiatry: Neurodevelopmental Formulation. ADHD comorbidity with Dyslexia

UCSF CAP 1 Fellows: Neurodevelopmental Seminar: Neuroimaging Methods and Applications

2012 UC Berkeley Cognitive Neuroscience Graduate Seminar (Instructor: Silvia Bunge)

2012 UCSF PGY-3 Didactics: Intro to Clinical Neuroimaging

2009-2011 Stanford PSYC 399: Graduate Research (Computer Science graduate students)

2008-2011 Stanford PSYC 250: Methodology of Research in Behavioral Sciences

Neuroimaging Research Methods (winter quarter)

2007 Stanford PSYC 250: Methodology of Research in Behavioral Sciences (May 18, 2007).

2005 Suuri-no Tsubasa Summer Seminar (for high school and undergraduate students with talents in maths and sciences selected from all over Japan), Tokyo, (August 6 – 12, 2005). http://www.npo-tsubasa.jp/tsubasa

2005 Transcranial Magnetic Stimulation (TMS): Basic Principles and its Applications. Stanford University, Cognitive Neuroscience Course for Undergraduates, CA USA

2001 TMS Studies of Depression. Centro Brasileiro de Estimulacao Magnetica Transcraniana, Sao Paolo, Brazil (February 6-10).

1999 - 2000 Harvard Medical School, Beth Israel Deaconess Medical Center, Department of Neurology, TMS Continuing Medical Education (CME) Course. (2 weeks/course, 2x/year; Coordinator)

MENTORSHIP

Thesis Advisor (13) Alexander Gantman (PsyD, 2009, Palo Alto University [PAU]), Candy Ho (PsyD, 2010, PAU), Joshua Heitzmann (PhD, 2010, PAU), Nahal Zakerani (PhD, 2011, PAU), Hiroko Tanaka (PhD, 2013, PAU), Leanne Stanley (PhD, 2012, PAU), Brandi Casto (PhD, 2014, PAU), William Raasch (BSc, 2007, Stanford), Emily Dennis (BA, 2008, Whitman), Natalie Tamburello (BA, 2012, Whitman), Paul Gimenez (BA, 2013, UC Berkeley), Priscilla Duong (PhD, 13-, PAU), Kelsey Maki (18-, San Francisco University [SFU])

Undergraduate (20) William Raasch BSc (07), Emily Dennis BA (07-08), Paul Gimenez BA (11-13), Natalie Tamburello BS (11-12), Chloe Jackson (Univ of San Francisco, 18-), Olivia Belman (Univ of San Francisco, 18-), Ana Sofia Rodriguez (Univ of San Francisco, 18-), Angie Toriz (Univ of San Francisco, 18-), William Zhu (Univ of California, Berkeley, 18-), Thalia Cruzat (Univ of California, Berkeley, 18-), Woon (UConn, 18-), Mahjabin (UConn, 1 UConn, 18-), Kinnie (UConn, 18-), Addi (UConn, 18), Zambrzycka (UConn, 18), Bruder (UConn, 18-), Robinson (UConn, 18), Ouda (UConn, 19-), Crowley (UConn, 19-), Patel (UConn, 19-)

Postbacc (4) Stephanie Gee (Postbacc, 18-), Katrina Chiu (Postbacc, 18-), Cecilia Ferrer Ladao (Postbacc, 18-)

Predoctoral (23) Alexander Gantman PsyD (05-08), Candy Ho PsyD (05-08, Staff Psychologist at UCSF), Joshua Heitzmann PhD (06-08), Nahal Zakerani PhD (07-10), Hiroko Tanaka MS (07-12, Assis Prof at U Arizona Tucson), Leanne Stanley PhD (08-11), Stuart Red (08), Moe Phyu Tun PhD (09), Alexandra Thurston MS (09-12), Carolyn Sawyer MD (10), Nicolle Bugescu PhD (10-14), Rociel Martinez PhD (10-12), Christine Serrone MA (10-11), Adi Zief MS (11), Emily Kutner PhD (11-14, Assis Prof at UCONN Health), Mandeep Tumber PhD (11-13), Brandi Casto PhD (11-15), Tracy Thompson PhD (11), Petra Ludowicy BSc (15), Zhichao Xia (14-16), Priscilla Duong (13-18), Kelsey Maki (18-), Hehui Li (18-)

Predoctoral (clinical supplemental practicum) (8) Christy Li (Univ of San Francisco, 18-), Jazmin Llamas (Palo Alto Univ, 18-), Kendal Vaarwerk (Univ of San Francisco, 18-), Meri Gukasyan (Palo Alto Univ, 18-), Nicole Wilberding (Palo Alto Univ, 18-), Brittany Crawford (Alliant Univ, 18-), Shikha Saggi (Palo Alto Univ, 18-), Jenna Khoury (Palo Alto Univ, 18-)

Postdoctoral (22) Kaori Koshiishi MD PhD (05-06, physician), Lisa Sugiura PhD (06-07, Assoc Prof at Tokyo Metropolitan Institute), Nobuhisa Kobayashi MD PhD (06-07, physician), Masanori Nagamine MD PhD (08-09, Assoc Prof at Japanese Defense Medical U), Brian W Haas PhD (07-10, Assis Prof at U Georgia Athens), Jessica Black PhD (08-10, Assoc Prof at Boston College), Hadi Hosseini PhD (09-10, Assis Prof at Stanford U), Bun Yamagata MD PhD (10-12, Assis Prof at Keio U), Manish Saggar PhD (11, Assis Prof at Stanford U), Emily A Farris PhD (12-13, Assis Prof at U Texas), Smadar Patael PhD (13-14, Assis Prof at Tel Aviv U), Cheng Wang PhD (14-16, postdoc at UCSF), Janosch Linkersdoerfer PhD (14), Naoki Hashimoto MD PhD (14-15, Assis Prof at Hokkaido U), Vanessa Singh PhD (14, industry), Maaike Vandermosten PhD (15, Assis Prof at U Leuven), Roeland Hancock PhD (13-17, Assis Prof at U Conn), Myriam Oliver PhD (16-18, private practice), Olga Kepinska PhD (17-), Florence Bouhali PhD (18-), Nikola Vukovic PhD (July 18-), Luxi Feng PhD (Aug 18-), Nicolas Bourguignon PhD (Jan 19-), Airey Lau (Mar 19-)

OTHER PANELS, COMMITTEES & SERVICES

2017 -	Learning and the Brain Foundation, Transforming Education through Neuroscience Award Selection Committee
2014 -	IDA's online newsletter Examiner's regular quarterly contributor to recent news in neuroscience
2016 - 2017	California Department of Education, Dyslexia State Guideline (AB1369) Work Group. Sacramento, CA USA
2016	NIH Workshop: Language and Literacy Development in Early Dual Language Learners. Rockville, Maryland USA. August 2016.
2015 - 2016	Synapse School Neuroscientist in Residence, Mountain View CA USA
2015	UNESCO UNITWIN Network on Inclusive Literacy for All. Paris, France. May 2015-
2015	White House OSTP workshop on Neuroscience of Learning. Washington, DC USA. Jan 2015
2012	NIH Forward Focus Workshop: Strategic Planning for the Common Fund, San Francisco, CA USA. May 2012
2011	DoD Cognitive Neuroscience of Second Language Acquisition Meeting. Washington, DC USA. November 2011
2011	NICHD's Scientific Vision Meeting, Finale. Maryland, DC USA. June 2011
2011	NICHD's Scientific Vision Meeting, Behavior Workshop Organizing Group. Washington, DC USA. February 2011
1999 - 2001	Chief Translator, Journal Watch Psychiatry, New England Journal of Medicine
1995 - 2000	Translator, www.Medscape.com

AWARD & HONORS

2019	Academic Excellence Award, Eye to Eye
2018	Invitation to UConn Research Celebration Luncheon by Provost/VPR (Nov 29)

2018	Science Educator Award, Society for Neuroscience (SfN)
2018	Translation Award, International Mind Brain & Education Society (IMBES)
2018	Contribution Award, Int'l Dyslexia Association Northern CA Branch
2017	Multicampus Research Programs & Initiatives (MRPI) Award, University of CA Office of the President (UCOP)
2016	Rising Star Award, One Mind Institute - Finalist
2015	Remarks at the White House OSTP meeting on Neuroscience of Learning
2015	Participation in the UNESCO UNITWIN Network "Inclusive literacy for all"
2015	Transforming Education through Neuroscience Award, Learning & the Brain Foundation
2014	Norman Geschwind Memorial Lecturer Award, Int'l Dyslexia Association
2012	NIH DP2 New Innovator Award - Finalist
2008	Stanford Postdoctoral Mentor Award - Honorary Mention
2008	Spectrum Child Health & Clinical & Translational Science Award, Lucile Packard Foundation for Children's Health
2008	Young Investigator Award, Brain & Behavior Research Foundation (BBRF)
2008	NIH K23 Career Award
2007	Spectrum Child Health & Clinical & Translational Science Award, Lucile Packard Foundation for Children's Health
2005	Tom Slick Research Award in Consciousness, Mind Science Foundation
2004	Early Career Award for Outstanding Contribution to Research [Japan Society for Psychiatry and Neurology] - Declined
2002	Award for Outstanding Contribution, XII World Congress of Psychiatry (WCP)
2001	Trainee Award, Annual Meeting for the Organization of Human Brain Mapping (OHBM)
2000	Fellowship Award, Annual Meeting for Biological Psychiatry
2000	Best Poster Award, IVth Annual Meeting for the International Society for Transcranial Stimulation (ISTS)
1998	Young Investigator Award, Japan North America Medical Exchange Foundation (JANAMEF)
1998	Young Investigator Award, Yoshida Science Promotion Foundation
1998	Young Investigator Award, Cellular Science Research Foundation
1994	Summer Fellowship Award, Keio University School of Medicine & Mayo Clinic

PROFESSIONAL MEMBERSHIPS

2018 -	Int'l Society for Magnetic Resonance in Medicine
2018 -	Flux Society (developmental cognitive neuroscience)
2017 -	Society for the Neurobiology of Language (SNL)

2010 - International Dyslexia Association (IDA)

2007 - Society for the Scientific Study of Reading (SSSR)

2001 - Organization for Human Brain Mapping (OHBM)

2001 - Society for Neuroscience (SFN)

2001 - Cognitive Neuroscience Society (CNS)

2014 - 2016 American Association for the Advancement of Sciences (AAAS)

2012 - 2014 American Academy of Child & Adolescent Psychiatry (AACAP)

2010 - 2014 International Mind Brain and Education (IMBES)

2009 - 2014 Association for Psychological Sciences (APS)

2007 - 2008 American Educational Research Association (AERA)

2003 - 2004 International Multisensory Research Forum (IMRF)

TOOLS DEVELOPED

2007 MVPA (Multivariate Pattern Analysis) Toolbox: Includes supervised and unsupervised approaches

2010 GAT (Graph Analytical Toolbox) with Hadi Hosseini PhD (Stanford U) & Shelli Kesler PhD (Univ Texas Health Sci Center in Houston)

GRANTS

UNDER PREPARATION (2)

NSF (10/4/2019), NIH R01 (2/5/2020)

PENDING (6)

NIH R34DA050296 (PI Briggs-Gowan, Hoeft, Wu) **09/14/2019 – 03/13/2021**
NIMH $3,932,892 Total Cost

UConn Healthy Brain and Child Development (BCD) Program
Goal: To establish a strong and rigorous program for examining human brain, cognitive, and social-emotional/behavioral development from prenatal through infancy in substance-using and non-using women and their children
Role: PI

NIH R01HD115089 (PI Hoeft) **09/01/2017 – 08/31/2022**
NIMH $3,932,892 Total Cost

Intergenerational neuroimaging of the human corticolimbic circuitry using a natural cross-fostering design
Goal: To dissociate the genetic, prenatal and postnatal experience on sex-specific transmission patterns of corcitolimbic circuitry and related cognitive processes.
Role: PI (revision to be submitted in 2019)

BIRC Trailblazer Award (PIs Briggs-Gowan, Cong, Yale U. Constable) **07/01/2019 – 06/30/2021**
University of Connecticut $140,000 Direct Cost

A preliminary longitudinal study of fetal, neonatal and infant MRI To leverage our recruitment and retention pipelines, and expertise in substance use, neurodevelopment, pediatric neuroimaging, and adversity to demonstrate the feasibility of rigorous MRI protocols during prenatal, neonatal and infant periods. Investigators on the project include: Grasso, Hoeft, Wu, Thomason (NYU) & Jernigan (UCSD).
Role: Co-I (funded pending responding to comments)

DoE (Kearns)

NIH SBIR (Amira)

ACTIVE (20)

Oak Foundation (PI Hoeft) **09/01/2019 – 08/31/2022**
Oak Foundation $769,578 Total Cost

Supporting optimal outcomes for students with learning differences To identify pathways that lead to optimal outcomes in the socio-emotional and cognitive domains by examining stereotype threat and compensation in students with LDs.
Role: PI

NIH R01HD094834 (Multi-PIs Hoeft/Hancock) **04/10/2019 – 04/09/2024**
NICHD $3,397,385 Total Cost

Intergenerational neuroimaging of language and reading networks using a natural cross-fostering design
Goal: To dissociate the genetic, prenatal and postnatal experience on sex-specific transmission patterns of language and reading endophenotypes.
Role: PI

NIH R01HD096261 (PI Hoeft) **09/15/2018 – 06/30/2023**
NICHD $3,467,648 Total Cost

Neural mechanisms underlying compensation in dyslexia
Goal: To understand the neurocognitive mechanisms underlying compensation in RD adults using a combination of measures of experimental neuromodulation, neurochemistry and neural activity/connectivity.
Role: PI

SVCF 2018-188563 (PI UCSF Uncapher ('18), Anguera ('19-)) **09/01/2018 – 02/28/2021**
Silicon Valley Community Foundation $2,900,000 Total Cost

Development and validation of precision learning executive function (PLEF) tool
Goal: To develop, integrate, and validate cognitive assessment tools.
Role: Co-PI

NIH R01HD086168 (Multi-PIs Haskins Pugh/Hoeft) **08/01/2016 – 06/30/2021**
NICHD $3,162,696 Total Cost

Neurochemistry as a moderator of brain networks for reading
Goal: To test the neural noise hypothesis of dyslexia by examining relationships between neurochemistry, neural oscillation, functional activation, and functional connectivity and how these may predict individual differences in reading skills in children.
Role: PI

NIH R01HD078351(PI Hoeft ('15-18), MultiPD Hendren/Hoeft ('18-)) **09/01/2015 – 06/30/2020**
NICHD $2,971,534 Total Cost

Understanding literacy acquisition through immersion in foreign languages

Goal: To examine neurobiological, language and cognitive profiles as children learn a second language.
Role: PI

UCOP MRP-17-454926 (PI Hoeft ('17-18), UCSF Uncapher ('18)) **01/01/2017 – 12/31/2019**
UC Office of the President Multicampus Research Program & Initiatives Award $577,751 Total Cost
Science-Based Innovation in Learning Center (SIL Center; now, Precision Learning Center)
Goal: The long-term goal is for the proposed Univ of CA center integrating efforts from 6 UC campuses is to be a national leader in 'Precision Ed-Health', and tackle issues associated with education and health disparity in underrepresented populations, with an initial emphasis on early identification and intervention of children at risk for learning challenges.
Role: functional PI wo salary (shifted role due to transition to UConn)

ORIO-16-012 (PI Hoeft) **09/01/2016 – 08/31/2019**
Oak Foundation $350,000 Total Cost
Assessing the impact of mentoring on students with learning differences
Goal: To examine individual differences in factors of LD middle-school children as well as programmatic factors that make one responsive to mentoring.
Role: PI

UCSF Dyslexia Center (PI Hoeft) **07/01/2016 – 12/31/2019**
Charles & Helen Schwab Foundation and others $722,000 Total Cost
Development and validation of a dyslexia-risk assessment app (AppRISE)
Goal: To develop a tablet-based app that can be used to phenotype and predict dyslexia.
Role: PI

NIH P50HD052120 (PI FSU Wagner) **10/01/2017 – 06/30/2019**
NICHD ~$60,000 Total Cost to Hoeft
The Florida Learning Disabilities Research Center
The goal of this proposal is to develop multivariate models of various reading-related learning disabilities including neurobiological information.
Role: Co-I, PI of UConn subcontract

NIH T32DC017703 (Multi-PIs Eigsti/Myers) **07/01/2019 – 06/30/2024**
NIDCD $1,824,256 Total Cost
Training in the Cognitive Neuroscience of Communication
Goal: To provide graduate students and postdoctoral fellows with combined training in the analysis of the neural basis of communication disorders and the application of basic research findings to the clinic.
Role: Co-I/Preceptor (approved by council)

AIM IGNITE - Haskins Collaborative Project (Co-PIs Pugh/Hoeft) **04/02/2018 – 04/01/2019**
AIM Institute for Learning & Research $179,400 TC (156k DC)
IGNITE Center
The Collaboration is to create an initiative under the proposed name "IGNITE Center", which will include a Summer Internship Program for students and teachers, develop an in-school neuroscience program with AIM as the "Lab School", and expand the scope of AIM's transitional research efforts via educator training.
Role: Co-Director of Haskins Global Hub & Co-I of project

The Windward-Haskins Collaborative Project (Co-PIs Pugh/Hoeft) **09/01/2018 – 08/31/2021**
The Windward School $975,000 TC (850k DC)
The Windward-Haskins Global Hub Collaborative Project

The Collaboration will translate the growing body of research in the science of reading and language into early identification of and best practices in treating language-based disabilities.
Role: Co-Director of Haskins Global Hub & Co-I of project

NIH R15HD086662 (PI U Denver McGrath) 09/22/2016 – 09/21/2019
Cognitive and neural predictors of comorbidity between reading and attention problems
Goal: This proposal adopts a multiple deficit framework to identify cognitive and neural predictors of the relationship (or covariance) between RD and ADHD, rather than the more common approach of predicting the individual disorders using two large population-based pediatric datasets of children 6-18 years.
Role: Consultant

NIH R01HD090153 (PI Haskins Pugh) 07/01/2017 – 06/30/2022
Tracking neuro-cognitive changes during evidence-based reading instruction in typically and atypically developing children
Goal: To examine the neurocognitive bases of treatment response to a well-established evidence-based treatment program using MRI and fNIRS.
Role: Consultant

NIH R01HD092498 (PI Michigan Kovelman) 07/02/2018 – 04/30/2023
Impact of heritage language on bilingual children's path to English literacy
Goal: To explain the effects of bilingualism on children's neural architecture for learning to read
Role: Consultant

NSF CAREER 1749696 (PI Rochester Daley) 05/01/2018 – 04/30/2023
Motivation in Science among Students with Learning Disabilities: Broadening Participation and Persistence
Goal: To examine the motivational beliefs of middle and high school students with learning disabilities, and contribute to fostering an inclusive STEM educational system and workforce.
Role: Advisor

UCOP PrecL Catalyst Award (PI UCSF Pyle/Caballero) 01/01/2019 – 12/31/2019
University of CA Office of the President Precision Learning Center $1,000 Total Cost
Learning eye-tracking technology: An objective measure to screen for dyslexia
Goal: To receive training on eye-tracking at UC Berkeley
Role: Mentor

UCOP PrecL Catalyst Award (PI UConn Jones/Collin) 01/01/2019 – 12/31/2019
University of CA Office of the President Precision Learning Center $1,000 Total Cost
Learning MRI techniques: Neural underpinnings of auditory processing deficits in dyslexia
Goal: To receive training on MRI processing at UCSF
Role: Mentor

NWO Rubicon Grant 019.181SG.006 (PI UCSF Kepinska) 10/01/2018 – 09/30/2020
Netherlands Organisation for Scientific Research 134,386 Euros Total Cost
Bilingualism under linguistic scrutiny. Do different languages shape the brain differently?
Goal: To apply a novel framework which we term "linguistic complexity of the bi-/multilingual's environment (LCBME)" to understand individual differences in language learning.
Role: Mentor

CSC Fellowship (PI Beijing Normal U Li) 09/01/2018 – 08/31/2019
Chinese Scholarship Council $22,800 Total Cost
Phonological processing in two languages with one brain: the topographic universality and particularity
Goal: The current project tries to investigate the universality of neural basis for phonological

processing in L1 and L2 in both normal and abnormal reading.
Role: Mentor

UCOP PrecL Catalyst Award (PI UCSF U Haft) **04/25/2018 – 04/24/2019**
University of CA Office of the President Precision Learning Center $2,200 Total Cost
Learning EEG: An ecologically valid tool for use in the classroom
Goal: To receive training on electroencephalography (EEG) at UCLA
Role: Mentor

UConn Holster Scholar (PI Sreenivas) **2019**
University of Connecticut $3,898 Total Cost
Comparing different single nucleotide polymorphism regions within KIAA0319 to correlate genetic variability to reading abilities in dyslexia
Goal: To compare different SNP regions within KIAA0319 and correlate genetic variability to reading abilities in dyslexia
Role: Mentor

PAST (33)

BBRF Young Investigator Award (PI Keio U Yamagata) 01/01/2017 – 12/31/2018
Brain and Behavioral Research Foundation $70,000 Total Cost
Female-specific intergenerational transmission patterns of the human corticolimbic circuitry in depression
Goal: To investigate correlation in resting-state connectivity in depressed mothers and their female/male offspring
Role: Mentor

BBRF Young Investigator Award (PI UCSF Wang) 01/01/2017 – 12/31/2018
Brain and Behavioral Research Foundation $70,000 Total Cost
Preliminary investigation of the corticolimbic circuitry using a natural human cross-fostering design and resting-state fMRI
Goal: To compare correlation in resting-state fMRI connectivity between mother-daughter dyads in three groups of In Vitro Fertilization (IVF) families
Role: Mentor

NSF 1540854 SL-CN (PI UCSF/Gazzaley) 09/30/2015 – 09/29/2018
Science of Learning - Collaborative Networks: Contributions of executive function subdomains to mathematical cognition and reading in the classroom: Assessment and training
Goal: To elucidate how multiple domains of executive functions (EFs) contribute to differences in math and reading in middle childhood.
Role: Co-PI

UCSF RAP 5014-123033-2015192-45 (PI Huddleston) 08/01/2017 – 06/31/2018
Polycystic Ovary Syndrome (PCOS)
To perform a pilot study that examines the behavioral correlate of insulin resistance and obesity on executive function.
Role: Co-I

NIH R01MH104438 (PI UC Davis/Nordahl) 07/10/2014 – 04/30/2019
Neural Phenotypes of Females with Autism Spectrum Disorder
Goal: To examine neural mechanisms that differ between females and males with autism spectrum disorders.
Role: Co-I, PI of UCSF subcontract

NIH R01MH103371 (PI UC Davis/Amaral) 04/01/2015 – 03/31/2018

Neurophenotypic Trajectories and Behavioral Outcomes in Autism Spectrum Disorder
Goal: To explore the relationship between brain development, behavioral abnormalities, and cognitive and functional outcome in children with ASD who are transitioning from early to middle childhood.
Role: Co-I, PI of UCSF subcontract

NIH P01HD001994 (PI Haskins/Rueckl) 08/01/2012 – 05/31/2017
The Nature and Acquisition of the Speech Code and Reading
Goal: To examine language learning using neuroimaging, cognitive psychological, crosslinguistic approaches and computational modeling.
Role: Co-I, PI of UCSF subcontract

NIH R01HD065794 (PI Haskins/Pugh) 05/10/2011 – 03/31/2017
Neurological Predictors of Spoken and Written Language Learning
Goal: This project examines neurocognitive predictors related to procedural learning of oral and written language.
Role: Co-I, PI of UCSF subcontract

NIH R01HD044073 (PI Vanderbilt/Cutting) 07/01/2015 – 06/30/2016
Cognitive and Neural Processes in Reading Comprehension
Goal: To explore the relationship between brain development, and its relationship to behavior and cognition related to reading comprehension.
Role: Co-I, PI of UCSF subcontract

UCSF RAP Academic Senate Award Pilot for Junior Investigators Grant (PI Hoeft) 02/01/2014 – 06/30/2015
Human Intergenerational Neuroimaging of Emotion Regulation: A Feasibility Study
Goal: To dissociate biological, prenatal and postnatal influence on the corticolimbic system using a 'natural' cross-fostering design in humans.
Role: PI

Stanford Cntr for Cogn & Neurobio Imaging Pilot Grant (PI: Hong) 09/01/2014 – 08/31/2015
Neurochemical correlates of auditory processing and reading ability
Role: Co-I

UCSF Radiology Seed Funds (PI: Nagarajan) 09/01/2014 – 08/31/2015
Individual neurometabolite variability and auditory frequency tuning.
Role: Co-I

UCSF Catalyst Award (PI Hancock) 03/01/2014 – 06/30/2015
Early Mobile Screening for Reading Disorder Risk
Goal: To develop an iPad based application to screen risk for developing reading disorder in preschoolers and kindergarteners.
Role: Co-PI & Mentor

UCSF RAP Digital Health Research (PI Hancock) 02/01/2014 – 06/30/2015
Early Mobile Screening for Reading Disorder Risk
Goal: To validate an iPad based application to screen risk for developing reading disorder in preschoolers and kindergarteners.
Role: Co-I & Mentor

NIH RO1 HD067312 (PI Gabrieli/Gaab) 01/10/2011 – 12/31/2015
Using Cognitive Neuroscience to Predict Dyslexia among Kindergarten Children
Goal: To characterize K children with and without behavioral risk for developing dyslexia and predict outcome using
Role: Consultant

P23916, FWF Austrian Science Fund (PI Kronbichler) 09/01/2011 – 09/30/2014

Dyslexia: Longitudinal Study of Brain Dysfunctions

Goal: To investigate literacy development in at-risk preliterate children using multimodal imaging.

Role: Consultant

32003B_141201 Swiss National Science Foundation (SNSF) (PI Brem)

Neural Markers of Grapheme-Phoneme Training Response for Prediction of Successful Reading Acquisition in Children at Familial Risk for Developmental Dyslexia

Goal: To predict response to intervention using neuroimaging in preliterate children at-risk for developing dyslexia.

Role: Consultant

NIH R01HD067254 (PI Vanderbilt/Cutting) 09/28/2010 – 07/31/2015

Predicting Late-Emerging RD: Neurobiological and Cognitive Factors

Goal: This project will use both neurobiological and cognitive measures to discover the neurobiological profiles of those at risk for LERD in earlier grades and establish the developmental profile of LERD.

Role: Co-I, PI of UCSF subcontract

NIH K23HD054720 (PI Hoeft) 08/11/2008 – 07/31/2013

Predicting Reading Success using a Multimodal Neuroimaging Approach

Goal: To develop and validate methods to predict those that will develop reading disabilities in high-risk K children

Role: PI

NARSAD Young Investigator Award (PI Hoeft) 08/01/2008 – 07/31/2011

Improving Executive Function using Real-Time fMRI Feedback Training

Goal: Investigate whether real-time fMRI training can improve response inhibition in individuals with fragile X syndrome.

Role: PI

CHRP (Child Health Research Program (PI Hoeft) 07/01/2008 – 12/31/2010

aka: Lucile Packard Foundation for Children's Health, Spectrum Child Health & Clinical and Translational Science Award

Comparison of fNIRS and fMRI in Pre-K Children with High-Risk for Dyslexia: Toward the Eventual Translation of Neuroimaging Research to Practice

Goal: To compare fNIRS and fMRI to examine whether fNIRS can be replace fMRI to predict outcome.

Role: PI

NIH 1S10RR024657-01 Instrumentation Grant (PI Reiss) 2007

NIRS Optical Topography System– HITACHI ETG-4000

Goal: To purchase an NIRS system to perform translational research.

Role: Co-Investigator (Co-wrote and executed grant, Functional Co-PI)

CHRP (Child Health Research Program) (PI Hoeft) 04/01/2007 – 03/31/2009

Aka: Lucile Packard Foundation for Children's Health, Spectrum Child Health & Clinical and Translational Science Award

Novel Approaches to Predicting Prognosis using Functional and Structural Neuroimaging in Dyslexic Children

Goal: Development of models to predict future gains in reading in dyslexia using neuroimaging techniques.

Role: PI

NIH R01 MH50047 (PI Reiss) 05/01/1993 – 06/30/2012
Longitudinal Outcomes and Neuroimaging of Fragile X Syndrome
Goal: The overarching goal of this study is to expand our knowledge of the association of specific genetic, environmental, neuroendocrine and neuroanatomical factors with neuropsychiatric outcome in children with fragile X.
Role: Co-Investigator (Neuroimaging Lead)

NIH/NINDS R44NS050642 (PIs deCharms, Gabrieli) 06/01/2004 – 07/31/2007
Application of Real Time fMRI - Phase II
Goal: develop and test methods for real time fMRI data analysis and subject training using gradient echo BOLD imaging.
Role: Co-Investigator (Co-wrote grant & Neuroimaging Lead)

NIH/NIDA N44DA (PIs deCharms, Gabrieli) 06/01/2005 – 05/31/2007
Virtual Reality and Real Time fMRI – Phase II
Goal: develop and test methods for long-term treatment of chronic pain using virtual reality and real time fMRI.
Role: Co-Investigator (Co-wrote grant & Neuroimaging Lead)

Mind Science Foundation (PI Hoeft, Co-PI/Mentor Reiss) 11/01/2005 – 10/31/2006
Control over the Neural Substrates Mediating the Consciousness Perception of Pain using Real-Time fMRI
Goal: develop and test methods for real time fMRI data analysis using networks of brain regions rather than a single region of interest.
Role: PI

NSF BCS 0305376 (PIs Shimojo, Gabrieli) 07/01/2003 – 06/30/2006
Collaborative Research: Development of Transcranial Magnetic Stimulation Coils for Cognitive Neuroscience Research
Goal: develop and test methods for a new TMS tool that rapidly switches direction of current in multiple coils.
Role: Co-Investigator (Wrote and lead grant, Functional PI)

NIH/NIDA N43DA-4-7748 (PIs deCharms, Gabrieli) 06/01/2004 – 05/31/2005
Virtual Reality and Real Time fMRI – Phase I
Goal: feasibility test VR stimuli in combination with real time fMRI using gradient echo BOLD in training pain patients to control brain activation while controlling pain.
Role: Co-Investigator (Co-wrote grant & Neuroimaging Lead)

Japan North America Medical Exchange Foundation (JANAMEF) Fellowship 1998 – 1999
Role: PI

Cellular Science Research Foundation (fellowship) 1998 – 1999
Role: PI

Yoshida Science Promotion Foundation (fellowship) 1998 – 1999
Role: PI

Keio University School of Medicine & Mayo Clinic (student fellowship) 1994
Role: PI

Others / Donation to Hoeft (12)

UCONN Startup Fund 08/23/2018 –

Society for Neuroscience (SfN)	2018
Academic Language Therapy Association (ALTA)	2018
UCSF Deans Account Startup Fund	01/01/2012 – 08/22/2018
Paul & Lori dePole	2015, 2016, 2017
Dyslexia Training Institute	2018
Currey Ingram Academy	2017
Holy Names University and Raskob School	2017
The Windward School	2016
AIM Academy	2016
The Potter Family	2016, 2017
Dennis & Shannon Wong DSEA 88 Wong Family Fndtn (PI Hoeft)	2015
Bay Area Discovery Museum	10/15/2014 – 10/14/2016

UCSF-CCC Neuroscience Fellowship
Goal: To perform community outreach and neuroscience research with the BADM's CCC.

Anonymous private donor	06/01/2012 – 05/31/2014

PEER-REVIEWED PUBLICATIONS (112 total published, 15 in submission)

112 peer-reviewed papers published, of which 28 1st authored, 37 senior authored (* are more notable papers, ** are those with shared 1st or senior author, *** are those not in pubmed). 16 manuscripts under preparation or review.

IN REVISION, UNDER REVIEW & IN SUBMISSION

1. Sturm VE, Datta S, Sible IJ, Holley SR, Watson C, Rah E, Meyer M, Pakvasa M, Mandelli ML, Deleon J, Hoeft F, Caverzasi E, Miller ZA, Shapiro KA, Hendren R, Miller BL, Gorno-Tempini ML. Enhanced emotional reactivity in dyslexia reflects individual differences in structural brain anatomy (under review)

2. Haft SL, Black JM, **Hoeft F.** Building buoyancy: A biopsychosocial approach to conceptualizing and fostering resilience in youth with learning disabilities (under review)

3. Haft SL, Caballero JN, Zekelman L, Cutting LE, **Hoeft F.** Unique and interactive contributions of executive function and word decoding to reading comprehension in kindergarten (revision submitted)

4. Xia Z**, Wang C**, Vandermosten M, Hancock R, **Hoeft F.** Advanced paternal age (APA) effects on offspring academic ability: The role of thalamic maturation links APA and reading (under review)

5. Pyle E-M**, Chung M**, Kepinska O, Haft SL, Sunshine I, Jones C, Hancock R, **Hoeft F.** Hair cortisol and dehydroepiandrosterone concentration: Associations with socio-economic status and cognition in early childhood (under review)

6. Yang L, Kovelman I, **Hoeft F,** Uchikoshi Y. Parental language use in storytelling and children's vocabulary in two languages: A study of children in dual language immersion programs (under review)

7. Marks RA, Duong P, Haft SL, Kepinska O, Oliver M, Xia Z, Zekelman L, Hancock R, Uchikoshi Y, Kovelman I, **Hoeft F.** Spoken language predicts print-speech convergence in emerging readers ***NeuroImage*** (revision submitted)

8. Haft SL, Kepinska O, Caballero JN, **Hoeft F.** Attentional fluctuations, cognitive flexibility, and bilingualism in kindergarteners. ***Behavioral Sciences*** (revision submitted)

9. Oliver M**, Kepinska O**, **Hoeft F.** Time to focus on individual differences approach in bilingual research, and bilingualism as a unit of proficiency.

10. Haft SL, **Hoeft F.** Cumulative risk and protective (CRAP) model of neurodevelopmental disorders.

11. Hancock R, Nagarajan S, **Hoeft F.** GABA is associated with temporal auditory processing and neural synchronization.

12. Hancock R, Nagarajan S, **Hoeft F.** Neurochemistry of multiplexed speech processing.

13. Kumar S, **Hoeft F,** Hancock R. Asymmetric associations between GABA and intrinsic auditory network activity.

14. Hashimoto N, Hancock R, **Hoeft F.** Maternal cerebellar grey matter volume is associated with daughters' psychotic experience.

15. Hashimoto N, Hancock R, **Hoeft F.** Intergenerational transmission of resting state reading networks.

PUBLISHED

1. Haft SL, Chen T, Leblanc C, Tencza F, **Hoeft F.** Impact of mentoring on socio-emotional and mental health outcomes of youth with learning disabilities and attention-deficit hyperactivity disorder. ***Child and Adolescent Mental Health*** (in press).

2. Kearns D, Hancock R, **Hoeft F,** Pugh KR, Frost S. The neurobiology of dyslexia. ***Teaching Exceptional Children*** 2019 Jan 11; 51(3):175-188. doi: 10.1177/0040059918820051.

3. Del Tufo SN, Frost SJ, **Hoeft F,** Cutting LE, Molfese PJ, Mason GF, Rothman DL, Fulbright RK, Pugh KR. Neurochemistry predicts convergence of written and spoken language: A proton magnetic resonance spectroscopy study of cross-modal language integration. ***Front Psychol*** 2018 Sep 04;9:1507. doi: 10.3389/fpsyg.2018.01507. PMID: 30233445 PMCID: PMC6131664

4. Haft SL, Duong PH, Ho TC**,** Hendren RL, **Hoeft F.** Anxiety and attentional bias in children with specific learning disorders. ***J Abnorm Child Psychol*** 2018 Jul 24. doi: 10.1007/s10802-018-0458-y. [Epub ahead of print] PMID: 30043123 PMCID: in progress

5. Patael S, Farris EA, Black JM, Hancock R, Gabrieli JDE, Cutting L, **Hoeft F.** Brain basis of cognitive resilience: Prefrontal cortex predicts better reading comprehension in relation to decoding. ***PLoS ONE*** 2018 Jun 14;13(6):e0198791. doi: 10.1371/journal.pone.0198791. eCollection 2018. PMID: 29902208. PMCID: PMC6002103

6. Xia Z, Zhang L, **Hoeft F,** Gu B, Gong G, Shu H. Neural correlates of oral word reading, silent reading comprehension, and cognitive subcomponents. ***Int J Behav Develop*** 2018 42(3):342-

356. doi: 10.1177/0165025417727872. Epub 2018 Sep 18. PMID: 29902208. PMCID: PMC5995574

7. Hendren RL, Haft SL, Black JM, Cushen White N, **Hoeft F.** Recognizing psychiatric comorbidity with reading disorders. ***Front Psychiatry*** 2018 Mar 27;9:101. doi: 10.3389/fpsyt.2018.00101. eCollection 2018. PMID: 29636707. PMCID: PMC5880915

8. *Malins JG, Pugh KR, Buis B, Frost SJ, **Hoeft F,** Landi N, Mencl WE, Kurian A, Staples R, Molfese PJ, Sevcik R, Morris R. Individual differences in reading skill are related to trial-by-trial neural activation variability in the reading network. ***J Neurosci*** 2018 Mar 21;38(12):2981-2989. doi: 10.1523/JNEUROSCI.0907-17.2018. Epub 2018 Feb 12. PMID: 29440534. PMCID: PMC5864150 Evaluated: F1000 Neuroscience

9. Caverzasi E, Mandelli ML, **Hoeft F,** Watson C, Meyer M, Allen IE, Papinutto N, Wang C, Gandini Wheeler-Kingshott CAM, Marco EJ, Mukherjee P, Miller ZA, Miller BL, Hendren R, Shapiro KA, Gorno-Tempini ML. Abnormal age-related cortical folding and neurite morphology in children with developmental dyslexia. ***NeuroImage Clin*** 2018 Mar 14;18:814-821. doi: 10.1016/j.nicl.2018.03.012. eCollection 2018. PMID: 29876267 PMCID: PMC5988019

10. Haft S, **Hoeft F.** The impact of poverty on child executive functions: global considerations and mediators. ***New Directions for Child and Adolesc Develop (NDCAD)*** 2017 Dec;2017(158):69-79. doi: 10.1002/cad.20220. Review. PMID: 29243384. PMCID: PMC5913739

11. **Black JM, **Xia Z, **Hoeft F.** Neurobiological bases of reading disorder Part II: The importance of developmental considerations in typical and atypical reading. ***Lang Linguist Compass*** 2017 Oct;11(10). pii: e12252. doi: 10.1111/lnc3.12252. Epub 2017 Sep 26. PMID: 29276529. PMCID: PMC5736136 **Shared 1st author.

12. *Hancock R, Pugh KR, **Hoeft F.** The neural noise hypothesis of developmental dyslexia. ***Trends Cogn Sci (TiCS)*** 2017 Jun;21(6):434-448. doi: 10.1016/j.tics.2017.03.008. [Epub ahead of print] PMID: PMID: 28400089; PMCID: PMC548955

    Hancock R, Pugh KR, **Hoeft F.** Neural Noise Hypothesis of Developmental Dyslexia: (Trends in Cognitive Sciences 21, 434-448, 2017). ***Trends Cogn Sci (TiCS)*** 2017 Nov;21(11):909. doi: 10.1016/j.tics.2017.08.003. PMID: 28869186. PMCID: PMC5724971

13. **Xia Z, **Hancock R, **Hoeft F.** Neurobiological bases of reading disorder Part I: Etiological investigations. ***Lang Linguist Compass*** 2017;11(4):e12239. doi: 10.1111/lnc3.12239 PMID: 28785303; PMCID: PMC5543813 **Shared 1st author.

14. *Hancock R, Richlan F**, Hoeft F.** Possible roles for frontostriatal circuits in reading disorder. ***Neurosci Biobehav Rev*** 2017 Jan;72:243-260. doi: 10.1016/j.neubiorev.2016.10.025 PMID: 27826071; PMCID: PMC5189679

15. *Ho TC, Sanders SJ, Gotlib IH, **Hoeft F.** Intergenerational Neuroimaging of Human Brain Circuitry. ***Trends Neuroscience (TiNS)***. 2016 Oct;39(10):644-648. Epub 2016 Sep 9. PMID: 27623194; PMCID: PMC5067069

16. *Hancock R, Gabrieli JDE, **Hoeft F.** Shared temporoparietal dysfunction in dyslexia and typical readers with discrepantly high IQ. ***Trends Neurosci Educ*** 2016 Dec;5(4):173-177. Epub 2016 Nov 3. PMID: 28439565; PMCID: PMC5400289

17. Szűcs D, **Hoeft D.** Editorial overview: Neuroscience of education. ***Curr Opin Behav Sci*** 2016 Aug;10:iv-vi. PMID: 28503653; PMCID: PMC5424606

18. *Haft SL, Myers CA, **Hoeft F.** Socio-emotional and cognitive resilience in children with reading disabilities. ***Curr Opin Behav Sci*** 2016 Aug;10:133-141. Epub 2016 Jun 17. PMID:27747263; PMCID: PMC5058360

19. *Vandermosten M, **Hoeft F,** Norton ES. Integrating MRI brain imaging studies of pre-reading children with current theories of developmental dyslexia: A review and quantitative meta-analysis. ***Curr Opin Behav Sci*** 2016 Aug;10:155-161. PMID: 27458603; PMCID: PMC4957935

20. Bailey S, **Hoeft F,** Aboud K, Cutting L. Anomalous gray matter patterns in specific reading comprehension deficit are independent of dyslexia. ***Ann Dyslexia*** 2016 Oct;66(3):256-274. Epub 2016 Jun 20. PMID: 27324343; PMCID: PMC5061587

21. Myers CA, Wang C, Black JM, Bugescu N, **Hoeft F.** The matter of motivation: Striatal resting-state connectivity is dissociable between grit and growth mindset. ***Soc Cogn Affect Neurosci*** 016 Oct;11(10):1521-7. Epub 2016 May 11. PMID: 27217105; PMCID: PMC5040906

22. Eckert MA, Berninger VW, **Hoeft F,** Vaden KI, Dyslexia Data Consortium. A case of Bilateral Perisylvian Syndrome with reading disability. ***Cortex*** 2016;76:121-4. doi: 10.1016/j.cortex.2016.01.004. Epub 2016 Jan 19. PMID: 26861558; PMCID: PMC4776332

23. *Yamagata B, Black JM, Gimenez P, Mimura M, Yang TT, Reiss AL, **Hoeft F.** Sex-specific intergenerational transmission patterns in the human corticolimbic system. ***J Neurosci*** 2016 Jan;36(4):1254-60. doi: 10.1523/JNEUROSCI.4974-14.2016. PMID: 26818513; PMCID: PMC4728726 Press release: UCSF; Covered by: Scientific American

24. Xia Z, **Hoeft F,** Zhang L, Shu H. Neuroanatomical anomalies of dyslexia: Disambiguating the effects of disorder, performance, and maturation. ***Neuropsychologia*** 2016;81:68-78. doi: 10.1016/j.neuropsychologia.2015.12.003. Epub 2015 Dec 8. PMID: 26679527; PMCID: PMC4790432

25. *Rueckl JG, Paz-Alonso PM, Molfese PJ, Kuod W-J, Bick A, Frost SJ, Hancock R, Wu DH, Mencl WE, Duñabeitia JA, Lee J-R, Oliver M, Zevin JD, **Hoeft F,** Carreiras M, Tzeng OJ-L, Pugh KR, Frost R. A universal brain signature of proficient reading: Evidence from four contrasting languages. ***Proc Natl Acad Sci U S A (PNAS)*** 2015 Dec 15;112(50):15510-5. doi: 10.1073/pnas.1509321112. Epub 2015 Nov 30. PMID: 26621710; PMCID: PMC4687557

26. Preston JL, Molfese PJ, Frost SJ, Mencl WE, Fulbright RK, **Hoeft F,** Landi N, Shankweiler D, Pugh KR. Print-speech convergence predicts future reading outcomes in early readers. ***Psychol Sci*** 2016 Jan;27(1):75-84. doi: 10.1177/0956797615611921. Epub 2015 Nov 20. PMID: 26589242; PMCID: PMC4713346

27. Achal S, **Hoeft F**,** Bray S**. Individual Differences in Adult Reading Are Associated with Left Temporo-parietal to Dorsal Striatal Functional Connectivity. ***Cereb Cortex*** 2016 Oct;26(10):4069-4081. doi: 10.1093/cercor/bhv214. Epub 2015 Sep 22. PMID: 26400921; PMCID: PMC5028000 **Shared corresponding author.

28. Black JM, Myers CA, **Hoeft F.** The utility of neuroimaging studies for informing educational practice and policy in reading disorders. ***New Dir Child Adolesc Dev*** 2015 Mar;2015(147):49-56. doi: 10.1002/cad.20086. Review. PMID: 25732015. PMCID: PMC4371735

29. Black JM, **Hoeft F.** Utilizing biopsychosocial and strengths-based approaches within the field of child health: what we know and where we can grow. ***New Dir Child Adolesc Dev*** 2015 Mar;2015(147):13-20. doi: 10.1002/cad.20089. Review. PMID: 25732011. PMCID: PMC4367185

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76. **Maeda, F.,** Lutomski, K., MacLeod, S., Soneji, D.J., Mackey, S.C., Gabrieli J.D.E., Glover, G.H., Pauly, J.M., and deCharms, R.C. Control over patterned brain activation achieved using real time fMRI (rtfMRI) with resultant changes in cognition. *Computational Systems Neuroscience (Cosyne) Conference 2005 Abs.* 2005.

77. Mackey, S.C., **Maeda, F.,** Soneji, D., Ludlow, D., Gabrieli, J.D., deCharms, R.C. Real-time fMRI directed modulation of pain perception and brain activation in chronic pain patients. *Annual Meeting of the Association for University of Anesthesiologists Abs.* 2005.

78. **Maeda, F.,** Soneji, D.J., Ludlow, D.H., Glover, G.H., Pauly, J.M., Gabrieli J.D.E., Mackey, S.C., and deCharms, R.C. Real time fMRI as a non-invasive neural interface: Controlling brain activation and thereby impacting disease. *NIDA Neural Interfaces Workshop Abs.* 2004.

79. **Maeda, F.,** Soneji, D.J., Mackey, S.C., Ludlow, D.H., Gabrieli J.D.E., Glover, G.H., Pauly, J.M., and deCharms, R.C. Learning to explicitly control activation in a localized brain region through real-time fMRI feedback based training, with resulting impact on pain perception. *Proceedings of the 34th Annual Meeting of the Soc Neurosci Abs*. 2004.

80. Cohen, R.B., Carvalho, M., Concalves, L., and **Maeda, F.** rTMS in treatment resistant bipolar depression. *Brazilian Psychiatric Congress*, Oct 2004; Brazil.

81. **Maeda, F.,** Soneji, D., Ludlow, D., Mackey, S., Gabrieli, J.D., and deCharms, R.C. Learned modulation of brain activation and pain perception using real-time fMRI. *J Cogn Neurosci.* 2004.

82. Watanabe., M., **Maeda, F.**, and Shimojo, S. Bi-directional transfer of motion aftereffect between vision and audition. *Vision Science Society (VSS)) Abs*. 2004; 35.

83. Mackey, S.C., **Maeda, F.,** Soneji, D., Ludlow, D., Gabrieli, J.D., deCharms, R.C. Real-time fMRI directed modulation of pain perception and brain activation in chronic pain patients. *Proceedings of the 23rd American Pain Society (APS) Annual Scientific Meeting*. 2004.

84. **Maeda, F.**, Kanai, R. and Shimojo, S. Metaphor of 'high' and 'low' in pitch revisited: Visual motion illusion induced by auditory pitch. *International Multisensory Research Forum (IMRF) Abs*. 2003; 35.

85. Nambisan, R., Diedrichsen, J., Ivry, R.B., Kennerley, S. and **Maeda, F.** Two autopilots, one brain: limitations and interactions during online adjustment of bimanual reaching movements. *Proceedings of the 32st Annual Meeting of the Soc Neurosci Abs*. 2002.

86. **Maeda, F.** Ethical and training issues in biological psychiatry. *Proceedings of XII World Congress of Psychiatry*. 2002.

87. **Maeda, F.** New biological treatments in psychiatry. *Proceedings of XII World Congress of Psychiatry*. 2002.

88. **Maeda, F.** Transcranial magnetic stimulation. *Proceedings of XII World Congress of Psychiatry*. 2002.

89. Marcus, J., Heiser, M., **Maeda, F.,** Mazziotta, J. and Iacoboni, M. Broca's area's critical role in imitation. *Proceedings of Southern California Academy of Sciences.* 2002.

90. Schreiber, D., Zaller, J. Iacoboni, M. and **Maeda, F**. Thinking about politics: Three fMRI experiments studying sophistication, race, ideology, and attitudes. *Proceedings of the 98th Meeting for the American Political Science Association. 2002*.

91. Molnar-Szakacs, I., Iacoboni, M., Koski, L., **Maeda, F.**, Dubeau, M.-C., Aziz-Zadeh, L. and Mazziotta J.C. Cortical sensory-motor gradients in hand action observation and imitation: results from a large fMRI dataset (58 subjects) *Proceedings of the Organization for Human Brain Mapping Annual Meeting*. 2002

92. Heiser, M., **Maeda, F.,** Marcus, J., Mazziotta, J. and Iacoboni, M. The essential role of Broca's area in imitation. *Proceedings of the cognitive Neuroscience Society Annual Meeting.* 2002.

93. Molnar-Szakacs, I., Iacoboni, M., Koski, L., **Maeda, F**., Dubeau, M-C, Aziz-Zadeh, L., and Mazziotta, J.C. Action observation in the pars opercularis: Evidence from 58 subjects studied with fMRI. *Proceedings of the cognitive Neuroscience Society Annual Meeting.* 2002

94. Lisanby, S.H., Sampson, S.M., **Maeda, F.**, Thall, M., Pascual-Leone, A.P. and Sackeim, H.A. Effects of sertraline augmentation of rTMS treatment in major depression on TMS motor cortex excitability measures. *Proceedings of the Society for Biologial Psychiatry Annual Meeting*. 2002

95. Cohen, R.B., Leme, M.A.F., **Maeda, F**. and Pascual-Leone, *Proceedings of the Brazilian Psychiatric Congress,* 2001.

96. **Maeda, F.,** Iacoboni, M., Buccino, G., Mazziotta, J. and Rizzolatti, G. Observing actions and understanding intentions. *Proceedings of the 31st Annual Meeting of the Soc Neurosci Abs*. 2001; 27.

97. Schreiber, D., Iacoboni, M., Zaller, J. and **Maeda, F**. Thinking about politics: A functional neuroimaging (fMRI) study. *Proceedings of the 97th Meeting for the American Political Science Association. 2001*.

98. Aziz-Zadeh, L., **Maeda, F.,** Zaidel, E., Mazziotta, J. and Iacoboni, M. Lateralization in motor facilitation during action observation: a TMS study. *Neuroimage*. 2001; 13: S1124.

99. Pascual-Leone, A., Wagner, T., Gangitano, M., Romero, R., Anschel, D., **Maeda, F.,** Cuffin, B.N., Ives, J and Schomer, D. Intracranial measurement of transcranial magnetic stimulation induced current distribution in the human brain. *Clin Neurophysiol*. 2001.

100. **Maeda, F.** and Pascual-Leone, A.TMS studies of cortical excitability in depression. *Proceedings of the International Symposium on Eelectromagnetics in Biology and Medicine.* 2001:56.

101. Wu, D-A., Kamitani, Y., **Maeda, F.** and Shimojo, S. Interaction of TMS-induced phosphenes and visual stimuli. *Proceedings of the Vision Sciences Society*, 2001.

102. **Maeda,F.,** Mazziotta,J.C. and Iacoboni,M. TMS studies of the Mirror Neuron System. *Brain Topography.* 2001.

103. **Maeda, F.** and Pascual-Leone, A. Studying depression with transcranial magnetic stimulation. *Clin Neurophysiol [Rinsho Shinkeiseirigaku]*. 2001; 29: 114.

104. **Maeda, F.,** Topka, H., Keenan, J.P. and Pascual-Leone, A. Effects of cerebellar output on intracortical motor cortex excitability studied by transcranial magnetic stimulation. *Ann Neurol* 2000; 48: 475.

105. Kleiner-Fisman, G., **Maeda, F.,** Keenan, J.P. and Pascual-Leone, A. Modulation of corticospianl excitability by action observation is highly movement and body part specific. *Ann Neurol* 2000; 48: 420.

106. **Maeda, F.,** Keenan, J.P., Freund, S., Sampson, S., Vaccaro, B., Birnbaum, R. and Pascual-Leone, A. Transcranial magnetic stimulation (TMS) in the treatment of depression: predictive value of modulatory effects on cortico-spinal excitability. *Proceedings of International Society for Transcranial Stimulation Annual Meeting*. 2000: 27.

107. **Maeda, F.,** Keenan, J. and Pascual-Leone, A. Interhemispheric asymmetry of motor cortical excitability as measured by transcranial magnetic stimulation in major depression. *Proceedings of American Psychaitric Association Annual Meeting.* 2000: NR453.

108. Grunhaus, L., Lisanby, S.H., George, M.S. and **Maeda, F.** Magnetic stimulation of the brain antidepressant response. *Biol Psychiatr*. 2000; 47(8S): 185S.

109. **Maeda, F.,** Keenan, J.P., Freund, S., Birnbaum, R., Vaccaro, B. and Pascual-Leone, A. Transcranial magnetic stimulation studies of cortical excitability in depression. *Biol Psychiatr*. 2000; 47(8S): 169S.

110. **Maeda, F.,** Keenan, J.P. and Pascual-Leone, A. Transcranial magnetic stimulation studies of cortical excitability in mood disorders. *European Psychiatry.* 2000; 15(suppl2): 258-9s.

111. Keenan, J. P., Ganis, G. G., Hamilton, R., **Maeda**, F. & Pascual- Leone, Right prefrontal repetitive transcranial magnetic stimulation delays self-adjective judgment. *J Cogn Neurosci.* 2000; Suppl: 18E.

112. Pascual-Leone, A. and **Maeda, F.** Transcranial magnetic stimulation and movement disorders. *Proceedings of American Academy of Neurology Presented 'New medical and Surgical Therapies for Parkinson's Disease'*. 1999.

113. **Maeda, F.,** Keenan, J., Sampson, S., Birnbaum, R. and Pascual-Leone, A. Transcranial magnetic stimulation in major depression: Pathophysiological studies and therapeutic applications. *Proceedings of the American Clinical Neurophysiology Society Annual Meeting*. 1999; 57.

114. **Maeda, F.,** Keenan, J., Freund, S., Sampson, S., Vaccaro, B., Birnbaum, R., O'Connor, M. and Pascual-Leone, A. Transcranial magnetic stimulation in the treatment of depression. *Proceedings of Research Day at the Beth Israel Deaconess Medical Center, Harvard Medical School*. 1999; N8.

115. Kiriakopoulous, E., Warde, A., Hamilton, R., **Maeda, F.,** Kauffman, T., Keenan, J.P. and Pascual-Leone, A. From sight to touch in five days: Visual deprivation and tactile training unmask tactile input into visual cortex in normal human subjects. *Proceedings of Research Day at the Beth Israel Deaconess Medical Center, Harvard Medical School*. 1999; N6.

116. Halpern, A., Pascual-Leone, A., **Maeda, F.** and Schlaug, G. A transcranial magnetic stimulation study of music imagery. *Proceedings of VI. International Conference on Systematic and Comparative Musicology* (*CMI*). 1999.

117. **Maeda, F.** Morita therapy in the treatment of somatoform disorders. *Proceedings of IX World Congress of Psychiatry*. 1999.

118. **Maeda, F.,** Shirahase, J. and Asai, M. Taijin kyofusho as one aspect of somatoform disorders in Japan. *Keio J Med. 1998; 47: S19*.

119. Yoshimura, K., Nakamura, K., **Maeda, F.,** Saito, N., Sazakume, H., Ishii, R., Araki, N. and Ono, Y. The economic aspects of somatoform disorders. *Keio J Med. 1998; 47: S26*

TRANSLATIONS (7 total)

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1. *DSM-IV TR* (Japanese). Takahashi, S., Ono, Y., Someya, T., ed. Igaku-shoin, 2002.

2. *DSM-IV TR* Quick Reference (Japanese). Takahashi, S., Ono, Y., Someya, T., ed. Igaku-shoin, 2002.
3. *New England Journal of Medicine*, *Journal Watch Psychiatry*, April 1999 – December 2001
4. *Stedman's Medical Dictionary* (Japanese 4th). Takaku F, ed. Tokyo: Medical View, 1997.
5. *Stedman's Medical Dictionary* (Nurse edition) (Japanese 1st edition). Takaku F, ed. Tokyo: Medical View, 1998.
6. *Stedman's Medical Dictionary* (CD-ROM) (Japanese 1st edition). Takaku F, ed. Tokyo: Medical View, 1998.
7. *Medscape*, July 2000.

INVITED CONFERENCE TALKS / PANELS (96 total)

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1. TEDx Speaker. TEDxUConn. Crushing the comfort zone. October 2019; Storrs CT, USA.
2. Keynote Speaker. Dyslexia Society of CT Annual Conference. October 2019; New Haven CT, USA.
3. Speaker. Innovative Learning Conference. October 2019; San Mateo CA, USA.
4. Organizer & Speaker. Society for the Neurobiology of Language. August 2019; Helsinki, Finland.
5. Spotlight Speaker. EdRev 2019. May 2019; Oracle Stadium, San Francisco CA, USA.
6. Speaker. IDA CT Branch 2019. April 2019; Webinar.
7. Keynote speaker. San Mateo County of Education (SMCOE) Dyslexia Summit. March 2019. San Mateo CA, USA.
8. Keynote speaker. DC Branch of the International Dyslexia Association (DCIDA) Conference. December 2018. College Park MD, USA.
9. Keynote speaker. San Mateo County of Education (SMCOE) Dyslexia Summit. November 2018. San Mateo CA, USA.
10. Keynote speaker. European Dyslexia Association (EDA) 30th Anniversary Autumn Seminar. October 2018. Munich Germany.
11. Speaker (invited by NSF). Int'l Mind Brain and Education Society (IMBES) Annual Meeting. Beyond Deficits in Struggling Learners: Promoting Resilience, Remediation, and Compensation. September 2018. Los Angeles CA, USA.
12. Speaker. Eye To Eye 2018 Partners Day. Brown University. August 2018; Providence RI, USA.
13. Speaker. Oak Foundation Impact Measurement Working Group Workshop. July 2018; Virtual.
14. Speaker. UC6-Stanford Multi-University Precision Learning Center Virtual Symposium. May 2018; San Francisco CA, USA.
15. Keynote speaker. Annual ALTA (Academic Language Therapy Association) Conference. April 2018; Dallas CA, USA.
16. Keynote speaker. Dyslexia Training Institute Virtual Conference. April 2018; San Francisco CA, USA.

17. Keynote speaker. 22nd Annual Meeting of the Israel Society of Biological Psychiatry. March 2018; Kibbutz Kfar Blum, Israel.

18. Speaker. South by Southwest Education (SXSW Edu)**.** March 2018; SF CA, USA.

19. Speaker. Learning and the Brain Conference**.** February 2018; SF CA, USA.

20. Organizer & Speaker. Learning and the Brain Conference Preconference Workshop. Using the Neuroscience of Learning Difficulties to Interpret and Implement 504 Accommodations**.** February 2018; SF CA, USA.

21. Keynote speaker. 37th Annual CA Resource Specialist Plus (CARS+) Convention, February 2018; Ontario CA.

22. Speaker. San Francisco Unified School District Leadership on Research Framework for Dyslexia Assessment. January 2018, San Francisco CA, USA.

23. Speaker. CZI Stanford Center for Advanced Study in the Behavioral Sciences (CASBS) Global Literacy and Neuroscience Workshop. January 2018; Palo Alto CA, USA.

24. Keynote speaker. 12th Univ of CA Special Education, Disabilities, and Developmental Risk (SPEDDR) Conference. January 2018; Davis CA.

25. Organizer & Speaker. International Dyslexia Association (IDA) Workshop. Using the Science of Learning Difficulties to Interpret and Implement 504 Accommodations**.** November 2017; Atlanta GA, USA.

26. Organizer & Speaker. Innovative Learning Conference 2017, October 2017, Hillsborough CA, USA.

27. Speaker. The 2017 Cognitive Diversity Summit (at UCLA). The Education-Brain Research Connection. October 2017; Los Angeles CA, USA.

28. Panel discussant. Social and Capital Marketing Conference (SOCAP17). Technology & Innovation Strategies: Positively Impacting Children and Creating Opportunities. October 2017; SF CA, USA.

29. Keynote speaker. Neuroscience and Education Symposium: The Connection (at The Currey Ingram Academy & Vanderbilt University). June 2017; Brentwood TN, USA.

30. Keynote speaker. International Workshop on Brain, Language and Cognition. May 2017; Nanjing, China.

31. Keynote speaker. International Society for Brain and Education & Grand opening of the Center for Brain and Education, Hong Kong Education University. May 2017; Hong Kong.

32. Speaker. The Dyslexia Foundation Symposium. Literacy, Dyslexia and Legislative Initiatives. Mar 2017; Palm Springs CA, USA.

33. Speaker. Oak Foundation Conference on Learning Disabilities. Mar 2017; NC, USA.

34. Organizer & Speaker. Learning and the Brain Conference Preconference Workshop. Using the Neuroscience of Learning Difficulties to Interpret and Implement 504 Accommodations**.** Feb 2017; SF CA, USA.

35. Speaker. The Israel Science Foundation & Hebrew University. First vs. Second Language Learning from Neurobiology to Cognition. Sept 2016; Jerusalem Israel.

36. Speaker. Chapman University. Cognitive Diversity Summit. Oct 2016; Irvine CA, USA.

37. Organizer & Speaker. IDA Preconference Workshop (W3) The Geschwind Lecturer Trio: Then, Now and the Future of the Neuroscience of Dyslexia. October 2016; Orlando FL, USA.

38. Speaker. The Help Group Summit. Advances and Best Practices in Autism, Learning Disabilities and ADHD. October 2016; Los Angeles CA, USA.

39. TEDx Speaker. TEDxSausalito. Why Creativity? September 2016; Sausalito CA, USA.

40. Speaker. Eye To Eye 2016 Partners Day. Brown University. August 2016; Providence RI, USA.

41. Organizer & Speaker. The Dyslexia Foundation Symposium "Geschwind-Galaburda Hypothesis – 30 years later". June 2016; St. Croix US Virgin Islands, USA.

42. Association for Psychological Sciences. Educational Neuroscience Symposium. May 2016; Chicago IL, USA.

43. Speaker. xTech (3rd Annual Experiential Technology & NeuroGaming Conference and Expo). May 2016; San Francisco CA, USA.

44. Keynote speaker for Research and Public Forums. iWORDD (International Workshop on Reading and Developmental Dyslexia). May 2016; Bilbao, Spain.

45. Keynote speaker. University of Connecticut Language Fest. April 2016, Storrs CA, USA.

46. Learning and the Brain Conference. Feb 2016, San Francisco CA, USA.

47. Haskins Yale Global Health Summit 2015, Dissociating factors that impact literacy acquisition. Dec 2015, New Haven CT, USA.

48. Keynote speaker & Award winner. Learning and the Brain Conference. Nov 2015, Boston MA, USA.

49. Speaker. Innovative Learning Conference 2015, Oct 2015, Hillsborough CA, USA.

50. Workshop organizer. EdRev 2015. April 2015, AT&T Park, SF CA, USA.

51. Keynote Speaker. Creativity Talks: BADM, CCC. March 2015, Sausalito CA, USA.

52. Norman Geschwind Memorial Lecturer. IDA Annual Meeting. An integrative approach to dyslexia research: Translating practice to research and back to practice. November 2014, San Diego CA, USA.

53. Keynote speaker. Int'l Mind Brain and Education Society (IMBES) Annual Meeting. Mind, brain & education as a 'symbiotic closed-loop system': Studying the intersection of neurobiology, external and internal environment. November 2014. Fort Worth TX, USA.

54. Symposium organizer & Speaker. AACAP Clinical Perspectives "Dyslexia: Integrating New Knowledge into Mental Health Treatment. Socio-emotional aspects of reading disabilities. October 2014. San Dieco, CA USA.

55. NIAS (Nat'l Institute of Advanced Studies) Workshop on Dyslexia Across Languages and Writing Systems. Intergenerational Imaging of Human Brain Networks. September 2014. Amsterdam, The Netherlands.

56. Workshop speaker: Cognitive Neuroscience Summer Institute. Multivariate Pattern Analysis. September 2014, Salzburg, Austria.

57. Keynote speaker: Cognitive Neuroscience Summer Institute. Translational Potential of Neuroimaging. September 2014, Salzburg, Austria.

58. Multimodal Neuroimaging Training Program (MNTP). U Pittsburgh / Carnegie Mellon Univ. Translational Potential of Neuroimaging. June 2014, Pittsburgh PA, USA.

59. Brain basis of stealth dyslexia. Joint UCSF – Dyslexic Advantage Scientific Symposium on Dyslexia Beyond Reading: Memory, Cognition, Expertise, and Innovation. March 2014, San Francisco CA, USA.

60. The brain and biological basis of grit, motivation, mindset and stereotype threat. *Learning & the Brain Conference on Teaching Self-Aware Minds*. February 2014, San Francisco CA, USA.

61. Practical applications of neuroimaging to practice – taking dyslexia (reading problem) as an example. *Learning & the Brain Conference on Teaching Self-Aware Minds*. February 2014, San Francisco CA, USA.

62. Keynote speaker: Dissecting the brain basis of dyslexia using discrepancy. Symposium: Interventions for dyslexia and dyscalculia. Hosted by the German Federal Ministry of Education and Research (BMBF). November 2013, Munich, Germany.

63. Dissecting the brain basis of dyslexia using discrepancy. Symposium: New Directions in Cognitive Neuroscience Research on Dyslexia. IDA Annual Meeting. November 2013, New Orleans LA, USA.

64. Dissecting the neurobiological correlates of dyslexia & reading through a clinical lens. Hong Kong University Symposium. July 2013, Hong Kong.

65. Giving old theories a fresh look: Investigating old wives' "dyslexia" takes using neuroimaging. Symposium on L1 Reading Across Different Languages & L2 Literacy Acquisition. May 2013, Jhongli City Taiwan.

66. Functional brain basis of hypnotizability (with David Spiegel). Symposium: Lifestyle behaviors and mental health. American Psychiatric Association Annual Meeting. May 2013, San Francisco CA, USA.

67. Neuroimaging predictors of reading outcome. Oxford-Kobe Meeting. April 2013, Oxford UK.

68. Neuroimaging evidence of stealth dyslexia & visuo-spatial abilities in dyslexia. Dyslexia & Talent Conference. April 2013, Norwalk CT, USA.

69. Alan Alda talks with the experts: Discussions on dyslexia. *Millbrook NY*. April 2013, Millbrook NY, USA.

70. Neurobiological basis of twice exceptionality. *Learning & the Brain Conference on Creativity*. February 2013, San Francisco CA, USA.

71. Multivariate Pattern analysis (MVPA) in neuroimaging. *2012 MNC Summer Institute: Social Developmental Neuroscience*. June 2012; Baltimore MD, USA

72. Keynote speaker: Neuroprognosis: Predicting academic achievement and outcome of a disorder using neuroimaging. *EARLI Sig 22*. May 2012; London UK

73. Disentangling controversial theories of reading and dyslexia using neuroimaging. GraphoWORLD Summer School. September 2011; Jyväskylä, Finland

74. Considering the future role of brain imaging in predicting academic achievement. *International Mind, Brain and Education Society 3rd Biennial Conference*. June 2011; San Diego CA, USA

75. Keynote speaker: Neuroprognosis: Predicting reading outcome in children using neuroimaging. *EARLI Sig 22, Satellite Symposium: Educational Neuroscience and Dyslexia Symposium*. June 2010; Zurich Switzerland

76. Prediction of children's reading skills: Understanding the interplay among genes, environment, brain, and behavior. *The 12th Extraordinary Brain Symposium hosted by The Dyslexia Foundation*. June 2010; Ashford Ireland

77. Neuroprognosis: Predicting children's reading skills using brain scans. *Learning and the Brain*. February 2010; San Francisco, CA, USA

78. Brain basis of learning disabilities, giftedness and creativity. *Gifted Learning Conference*. October 2009; Hillsborough, CA, USA

79. Keynote Speaker: Genetics and social cognition in Williams and fragile X syndromes. *Annual Meeting of the Neuropsychology Association of Japan.* September 2009; Tokyo, Japan

80. Application of real-time fMRI. *Annual Meeting of the Neuropsychology Association of Japan.* September 2009; Tokyo, Japan

81. The use of multivariate pattern classification in clinical developmental cognitive neuroscience. *UCB Conference on Neurocognitive Development*. July 2009; Berkeley, CA, USA

82. Dyslexia: Dysfunction and compensatory mechanisms. *International Congress of Psychology.* July 2008; Berlin Germany

83. Brain basis of learning disabilities and implications for individuals differences in learning. *Gifted Learning Conference.* October 2007; Hillsborough CA, USA.

84. Real-time fMRI and its application. *Association for the Scientific Studies of Consciousness*, Plenary Symposium, Las Vegas NV, USA, July 2007.

85. Neural basis of hypnotizability. *American Psychological Association Annual Meeting*, New Orleans LA USA, August 2006.

86. Ethical and training issues in biological psychiatry. *FYP Program Workshop: XII World Congress of Psychiatry.* August, 2002; Yokohama, Japan

87. New biological treatments in psychiatry: Transcranial magnetic stimulation. *XII World Congress of Psychiatry*. August 2002; Yokohama, Japan

88. Motor activations during action recognition: brain imaging evidence. *HFSP Workshop on "Mirror System: Humans, Monkeys and Models" at Univ South California*. November, 2001; Los Angeles CA, USA.

89. TMS studies of cortical excitability in depression. *International Symposium on Electromagnetics in Biology and Medicine.* April, 2001; Tokyo, Japan.

90. TMS studies of the mirror neuron system. *12th World Congress of the International Society for Brain Electromagnetic Topography (ISBET 2001) / 3rd Annual Meeting, Japan Human Brain Mapping (3rd JHBM) / 18th Japanese Society for Brain Electromagnetic Topography (18th JSBET) /27th Annual Meeting of Character, Behavior, Electroencephalogram Society (27th CBES).* March, 2001; Utsunomiya, Japan.

91. Studying depression with transcranial magnetic stimulation. *30th Annual Congress of the Japanese Society of Clinical Neurophysiology.* December, 2000; Kyoto, Japan.

92. Transcranial magnetic stimulation studies of cortical excitability in mood disorders. *10th Congress of the Association of European Psychiatrist.* October, 2000; Prague, Czech.

93. Transcranial magnetic stimulation studies of cortical excitability in depression. *Society of Biological Psychiatry Annual Meeting.* May, 2000; Chicago IL, USA.

94. Morita therapy in the treatment of somatoform disorders (Symposium). *IX World Congress of Psychiatry.* August, 1999; Hamburg, Germany.

95. The future of psychiatry (Presidential Forum). *IX World Congress of Psychiatry.* August, 1999; Hamburg, Germany.

96. Somatoform disorder in Japan (Symposium). *International Conference in Collaboration with the World Psychiatric Association and World Health Organization: Rethinking Somatoform Disorder.* February, 1998; Tokyo, Japan.

INVITED COLLOQUIA (110 total)

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1. Speaker. Children's Health Council Monthly Seminar. May 2019; Palo Alto CA, USA.

2. Speaker. U of Wisconsin Madison, Cognitive Science Seminar. March 2019; Madison WI, USA

3. Speaker. UConn, Center for Students with Disabilities. January 2019; Storrs CT, USA

4. Speaker. UConn Health, Neuroscience Seminar. January 2019; Storrs CT, USA

5. Speaker. The University of Chicago Laboratory Schools. January 2019; Chicago IL, USA

6. Speaker. Hyde Park Day School, at Northeastern IL University. January 2019; Chicago IL, USA.

7. Speaker. UConn Health, Child and Adolescent Psychiatry "Food for Thoughts". January 2019; Storrs CT, USA

8. Speaker (co-presentation with faculty and UCONN Foundation). UCONN BIRC Speaker Series. October 2018; Storrs CT, USA.

9. Speaker. Trinity College Neuroscience Seminar. October 2018; Hartford CT, USA.

10. Speaker (co-presentation with Digital Promise CIO Vic Vuchic). UCSF Digital Health Core Seminar. September 2018; San Francisco CA, USA.

11. Keynote speaker. Nueva School. April 2018; Hillsborough CA, USA.

12. Speaker. National Center for Learning Disabilities (NCLD) Annual Board Meeting. March 2018; New York NY, USA.

13. Speaker. Yale University Child Study Center Seminar. Feb 2018, New Haven CA, USA.

14. Speaker. University of Connecticut Brain Imaging Research Center (BIRC) Seminar. Jan 2018, Storrs CA, USA.

15. Speaker. Boston Public Schools Leadership on Neuroscience Translation. Jan 2018, Boston MA, USA.

16. Speaker. National Center for Learning Disabilities (NCLD) Professional Advisory Board. October 2017; New York NY, USA.

17. Keynote speaker. Children's Health Council. October 2017; Palo Alto CA, USA.

18. Speaker. Slingerland Summer Institute. July 2017; San Francisco CA, USA.

19. Speaker. Cheng Zuckerberg Initiative (CZI). June 2017; Palo Alto CA, USA.

20. Keynote speaker. Stanislaus County of Education, The Learning Quest, SLD Foundation hosted event. June 2017; Modesto CA, USA.

21. Keynote speaker. Sand Hill School. May 2017; Palo Alto CA, USA.

22. Keynote speaker. Holy Names University / Raskob School Lecture. Feb 2017; Oakland CA, USA.

23. Speaker. Stanford University Department of Psychiatry K2R Seminars. Jan 2017; Stanford CA, USA.

24. Keynote speaker. UCSF Alumni Event. Nov 2016; Sausalito CA, USA.

25. Speaker. Oak Foundation Board Meeting. Oct 2016; Switzerland

26. Keynote speaker. Athena Academy Oct 2016; Palo Alto CA, USA.

27. Distinguished Lecturer. Research on Challenges in the Acquisition of Language and Literacy (RCALL) Initiative. Georgia State University. September 2016; Atlanta GA, USA.

28. Westmark School. August 2016, Los Angeles CA, USA.

29. Keynote, Annual Research Lecture. AIM Academy. August 2016, Philadelphia PA, USA

30. Speaker. Slingerland Summer Institute. July 2016; San Francisco CA, USA.

31. Haskins Laboratories Staff Talk. April 2016; New Haven CT, USA

32. Annual Robert J. Schwartz Lecturer. Windward School. April 2016; White Plains NY, USA

33. Florida State University Florida Center for Reading Research. March 2016; Tallahassee FL, USA

34. Chartwell School. March 2016; Seaside CA, USA

35. Creativity Salon. Feb 2016; San Francisco CA, USA

36. Univ Texas Austin Communication Sciences and Disorders Colloquium Series. Jan 2016; Austin TX, USA

37. Univ Texas San Antonio Neurosciences Institute Neurobiology Lecture Series. Jan 2016; San Antonio TX, USA

38. Keynote Speaker. Bay Area Science Seminar. Jan 2016; San Francisco CA, USA

39. Parent Education Network. Dec 2015; San Francisco CA, USA.

40. Chapman University. Oct 2015; Orange CA, USA

41. BCBL (Basque Center for Cognition, Brain and Language) Multiliteracy Meeting. June 2015. San Sebastian, Spain.

42. US Department of Education, Office of Civil Rights (OCR), National webinar. June 2015; San Francisco CA, USA.

43. UCSF Department of Psychiatry, Child and Adolescent Psychiatry, Grand Rounds. May 2015; San Francisco CA, USA.

44. Vanderbilt Kennedy Center Lecture Series on Development and Developmental Disabilities. An integrative approach to dyslexia research: At the intersection of educational & developmental cognitive neurosciences, and practice. February 2015, Nashville TN, USA.

45. UC Berkeley IHD (Inst Human Development) Speaker Series. Intergenerational Imaging of Human Brain Networks. December 2014. Bekrkeley, CA USA.

46. BCBL (Basque Center for Cognition, Brain and Language) External Speaker Series. Intergenerational Imaging of Human Brain Networks. September 2014. San Sebastian, Spain.

47. UCSF Department of Psychiatry Research Retreat. Understanding large-scale networks during development using neuroimaging. May 2014

48. Keio University Department of Psychiatry Seminar. Introduction to research. April 2014

49. Haskins Laboratories, Yale University. Multi-Center Network Meeting. Convergenve and divergence of implicit learning & reading networks in the human brain. April 2014

50. Columbia University Department of Psychiatry Seminar. Translational potential of neuroimaging to practice: taking dyslexia as an example. March 2014

51. UT Houston Health Science Center Department of Psychiatry. Translational potential of neuroimaging to practice: taking dyslexia as an example. January 2014.

52. UCSF Department of Neurosurgery, Chang Lab Meeting. April 2013; SF CA

53. UC Merced Department of Psychology Colloquium Series. Feb 2013; Merced CA

54. UCSF Department of Psychiatry, Child and Adolescent Psychiatry, Grand Rounds. Jan 2013; SF CA

55. UC Davis MIND Institute, Research Seminar Series. Jan 2013; Davis CA

56. Harvard Boston Children's Hospital, Developmental Medicine Center Seminar Series. May 2012; Boston MA

57. UCSF Department of Neurology, Memory and Aging Center, Grand Rounds. April 2012; San Francisco CA

58. Stanford University, Department of Psychology, FriSem. March 2012; Stanford CA

59. UCSF Department of Psychiatry, Neuroscience Seminar. February 2012; San Francisco CA

60. UCSF Department of Psychiatry, Grand Rounds. February 2012; San Francisco CA

61. ABC Preschool. Teacher Training Day. February 2012; San Francisco, CA

62. San Francisco Unified School District. January 2012; San Francisco, CA

63. Stanford University Institute for Computational & Mathematical Engineering Seminar. October 2011; Stanford CA

64. Potential applications of advanced neuroimaging in clinical practice. Keio University School of Medicine. Dept of Neuropsychiatry Seminar Series. October 2011; Tokyo, Japan

65. From Cognitive Neuroscience Research to Educational Practice and Policy: Bridging the Bridge Too Far. Cognitive Science Colloquium. February 2011; Pittsburgh PA

66. From Cognitive Neuroscience Research to Educational Practice and Policy: Bridging the Bridge Too Far. SRI International. March 2011; Menlo Park CA

67. From Cognitive Neuroscience Research to Educational and Clinical Practices: Bridging the Bridges Too Far. University of California San Francisco. April 2011; San Francisco CA

68. From Cognitive Neuroscience Research to Educational and Clinical Practices: Bridging the Bridges Too Far. University of Texas Houston. April 2011; Houston TX

69. Application of Real-Time fMRI Feedback. *Cognitive Science Colloquium.* March 2010; Univ Arizona, Tucson AZ, USA

70. Studying gene-brain-behavior relationships in Williams and fragile X syndromes. Research Seminar Series. *MIND Institute.* October 2009; Sacramento, CA, USA

71. Noninvasive Transcranial Brain Stimulation and Pain. *Dept of Anesthesia, Grand Rounds, Stanford Univ Sch of Med.* December 2008; Palo Alto CA, USA

72. Imaging Genomics: Dissecting Gene-Brain-Behavior Relationships Using Neuroimaging. *Dept of Psychiatry, Kyushu Univ, Sch of Med*. December 2007; Fukuoka Japan

73. Recent Development in Neuroimaging. *Kawano Hospital*. December 2007; Fukuoka Japan

74. Opening Remarks. *Disabilities Awareness Event, Stanford Univ.* November 2007; Palo Alto CA, USA

75. Applications of real-time fMRI. *Plasticity Seminar, Univ California Berkeley*. September 2007; Berkeley CA, USA

76. How can neuroimaging tools enhance clinical and educational practice? *Science Talk, Sackler Institute.* December 2006; NYC NY, USA

77. Predicting reading achievement using behavioral, functional and neuroimaging measures. *Educational Neuroscience Meeting, Stanford University / Sackler Institute.* June 2006; Palo Alto CA, USA

78. Neuroethics of TMS research. *Stanford University Neuroscience Graduate School Program.* February 2006; Palo Alto CA, USA

79. Real-time fMRI: novel technique to study brain and behavior. *Stanford Center for Innovations of Learning.* November 2005; Palo Alto CA, USA

80. Neural basis of reading and dyslexia: A multimodal imaging approach. *Showa University School of Medicine, Dept of Psychiatry.* August 2005; Tokyo, Japan

81. New advances in neuroimaging: From assessment to treatment. *Suuri-no Tsubasa Kaki Seminer (Summer Seminar for Math and Science).* August 2005; Tokyo, Japan

82. On the relationship between intention and time: Understanding its mechanism through illusions. *Suuri-no Tsubasa Kaki Seminer (Summer Seminar for Math and Science).* August 2005; Tokyo, Japan

83. Multisensory integration: Understanding its mechanism through illusions. *Suuri-no Tsubasa Kaki Seminer (Summer Seminar for Math and Science).* August 2005; Tokyo, Japan

84. Neural basis of reading and dyslexia: A multimodal imaging approach. *National Defense Medical College, Dept of Psychiatry.* August 2005; Saitama, Japan

85. Metaphor of 'high' and 'low' pitch revisited: Auditory spatial illusion induced visual motion illusion. *Stanford Univ, Dept of Psychology. Vision Lunch.* March 2005; Palo Alto CA, USA

86. Real-time functional magnetic resonance imaging (rtfMRI). *Symbolic Systems Program Alumni – Special Panel On The Future of Cognitive Neuroscience, Stanford Univ.* May 2004; CA, USA.

87. Functional neuroimaging (fMRI, TMS) contributions to neurology and cognitive neuroscience. *Neurology Grand Rounds - State University of New York, Downstate Medical Center.* May 2004; NY, USA.

88. Basic principle and applications of real-time functional magnetic resonance imaging (fMRI). *Basic Neuroscience Seminar - State University of New York, Downstate Medical Center.* May 2004; NY, USA.

89. Self and sense of agency. *Artcenter College of Design.* February 2003; Pasadena CA, USA.

90. Sensing action, sensing time. *Institute of Psychiatry.* July 2002; London, UK.

91. Neural mechanism of action understanding. *Department of Psychology, Stanford University.* June 2002; Palo Alto CA, USA.

92. Neural mechanism of action understanding. *Unit of Mood and Anxiety Disorders, NIMH.* May 2002; Bethesda MD, USA.

93. Explorations in affective and cognitive neuroscience: Studies of emotion and the mirror neuron system using TMS and fMRI. *Department of Psychology, University of California, Berkeley.* March 2002; Berkeley, CA, USA.

94. Explorations in affective and cognitive neuroscience: Studies of emotion and the mirror neuron system using TMS and fMRI. *Department of Psychiatry, University of California, San Francisco.* March 2002; San Francisco, CA, USA.

95. Action and perception: TMS and fMRI studies of covert and overt actions. *Research Imaging Center, University of Texas Health Science Center at San Antonio.* January 2002; San Antonio TX, USA.

96. TMS and fMRI Studies of the Mirror Neuron System. *General Systems Studies, Department of Multi-Disciplinary Sciences, University of Tokyo.* October 2001; Tokyo, Japan.

97. TMS studies of action observation. *Brain Mapping Center, UCLA.* May 2001; Los Angeles CA, USA.

98. TMS in psychiatry. *Department of Psychiatry, Federal University of Sao Paolo*. February 2001; Sao Paolo, Brazil.

99. TMS in psychiatry. *Department of Psychiatry, Sao Paolo University.* February 2001; Sao Paolo, Brazil.

100. TMS studies of action observation. *Department of Computer Science, University of Southern California*. January 2001; Los Angeles CA, USA.

101. TMS and its use in psychiatry. *Department of Neuropsychiatry, Tokyo Women's Medical College.* December, 2000; Tokyo, Japan.

102. A new tool in neuropsychiatry: Therapeutic and investigational use of transcranial magnetic stimulation. *Brain Mapping Seminar. Ahmanson-Lovelace Brain Mapping Center, UCLA School of Medicine.* September, 2000; CA USA.

103. Theoretical and in vitro measurements of cortical excitability using TMS. *Laboratory for Computational Neural Systems, California Institute of Technology.* April, 2000; Pasadena CA, USA.

104. Safety Issues on TMS. *Department of Neuropsychiatry, Showa Univ. School of Medicine.* April, 2000; Tokyo, Japan.

105. TMS and its use in psychiatry. *Neurophysiology Research Forum, Department of Neuropsychiatry, Keio Univ. School of Medicine.* March, 2000; Tokyo, Japan.

106. TMS and its use in psychiatry. *Yowa Hospital*. March, 2000; Tokyo, Japan.

107. TMS and its use in neuropsychiatric disorders. *Neuropsychiatry Department Grand Rounsd, Keio Univ. School of Medicine*. June, 1999; Tokyo, Japan.

108. TMS; basic principles and studies combining neuroimaging. *Radiology & Neuropsychiatry Department, National Institute of Neurology and Mental Health*. June, 1999; Tokyo, Japan.

109. Morita Therapy. *Department of Biological Psychiatry, Columbia University, College of Physicians and Surgeons, New York Psychiatric Institute.* September, 1998; New York NY, USA.

110. Differences between U.K. and Japan and their cultural backgrounds. *Psychology class for undergraduates at Keio Univ. School of Psychology*. May, 1992; Tokyo, Japan.

CONFERENCE TALKS (13 total)

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1. Research Colloquia (FR1) Early identification of dyslexia. From research to practice. *2018 IDA Annual Conference.* October 2018; Mashantucket CT, USA. (with Hugh Catts and Yaacov Petscher)

2. California Association for Bilingual Education (CABE) 2018 Annual Conference. Mar 2018; Sacramento CA, USA.

3. Bridging the synaptic gap: A school/neuroscience partnership for innovation in education. *Annual Meeting of National Association for Independent School (NAIS).* Feb 2016, San Francisco CA, USA.

4. Dyslexia: Integrating new knowledge into mental health treatment. Socio-emotional aspects of reading disabilities. *Annual Meeting of AACAP*. October 2014, San Diego CA, USA.

5. Latest advances in neurobiological research on learning disabilities and its clinical implications. Reading Disorders (Dyslexia). *Annual Meeting of AACAP*. October 2012, San Francisco CA, USA.

6. Brain morphometric patterns derived from graph analysis and support vector machine algorithms predict children at-risk for developing dyslexia**.** *Annual Meeting of the Society for Neuroscience*. November 2011, Washington DC, US*A.*

7. Neural correlates of reading disability: Implications for the use of low achievement, aptitude-achievement discrepancy, and response to intervention (RTI) models to define poor readers. Plenary Session. *Society for Developmental Behavioral Pediatrics (SDBP) Annual Meeting.* October 2009; Portland, OR, USA

8. Neural correlates of low achievement (LA), aptitude-achievement discrepancy (AAD) and response to intervention (RTI) models in poor reading children. *Society for the Scientific Study of Reading Annual Meeting*, June 2009; Boston, MA, USA

9. The mirror neuron system reflects hypersociability in Williams Syndrome. *The 12st International Professional Conference on Williams Syndrome.* July 2008; Garden Grove, CA, USA

10. Inferior frontal activation predicts development of compensatory reading skills in dyslexic adolescents. *American Educational Research Association (AERA).* March 2008; NYC NY USA

11. Control over patterned brain activation achieved using real time fMRI (rtfMRI) with resultant changes in cognition. *Computational Systems Neuroscience (Cosyne) Conference 2005.* March 2005; Salt Lake City Utah, USA.

12. Learning to explicitly control activation in a localized brain region through real-time fMRI feedback based training, with resulting impact on pain perception. *34th Annual Meeting of the Society for Neuroscience*. October 2004, San Diego, CA USA.

13. Metaphor of 'high' and 'low' in pitch revisited: Visual motion illusion induced by auditory pitch. *International Multisensory Research Forum (IMRF)*. June 2003, Hamilton, Ontario Canada

MEDIA COVERAGE OF RESEARCH (on 32 topics)

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1. Vimeo. April, 2019

2. https://vimeo.com/332274506
A video interview of the research behind the 2019 Academic Excellence Award by Eye to Eye.

3. UConn Today. November 29, 2018
https://today.uconn.edu/2018/11/uconn-health-patients-can-now-get-mris-uconn-storrs/
UConn Health Journal. Spring 2019
https://healthjournal.uconn.edu/2019/04/10/mris-now-offered-on-uconn-storrs-campus/
Stories on Clinical MRI partnership with Radiology

4. UConn CLAS News. December 3, 2018
https://clas.uconn.edu/2018/12/03/fumiko-hoeft-wins-sfn-science-educator-award/
https://danablog.org/2018/11/06/hoeft-science-educator-award/
https://www.eurekalert.org/pub_releases/2018-11/sfn-sfn_2110518.php
Stories on 2018 SfN award to Hoeft

5. Understood.org. October 25, 2018
https://www.understood.org/en/community-events/blogs/dyslexia-research/2018/10/18/kids-with-reading-issues-may-face-a-unique-type-of-anxiety-study-suggests
Story on a study published in JACP 2018

6. UConn Today. October 18, 2018
https://today.uconn.edu/school-stories/decoding-neurological-mechanisms-compensation-dyslexia-3-million-nih-grant/
Story on a new NIH R01 awarded to Hoeft

7. UConn CLAS News.
https://clas.uconn.edu/2018/09/09/fumiko-hoeft-will-receive-imbes-translation-award/
Story on 2018 IMBES award to Hoeft

8. UConn Today – President's Welcome Letter. August 28, 2018
https://today.uconn.edu/2018/08/welcome-back-message-president/
UConn Today. August 30, 2018
https://today.uconn.edu/2018/08/fumiko-hoeft-joins-uconn-new-brain-center-director/
Stories on starting as UConn Faculty

9. UConn Today. August 30, 2018
https://today.uconn.edu/2018/08/dyslexic-children-brain-features-can-predict-reading-comprehension/
Science Daily – 07/24/2018 https://www.sciencedaily.com/releases/2018/07/180724120856.htm
Stories on a study published in PLoS ONE 2018

10. ABC7 TV. February 23, 2016

http://abc7news.com/society/beyond-the-headlines-with-cheryl-jennings-dyslexia/1214419/
Work at the UCSF Dyslexia Center

11. The UC, UCSF, UCSF Psychiatry Press Release. January 26, 2016
http://universityofcalifornia.edu/news/mothers-may-pass-brain-structure-linked-depression-daughters
Scientific American – 01/26/2016, Reuters, Scientific American MIND. May 2016 issue. UC Science Today podcast
Stories on a study published in J Neurosci 2016

12. The New York Times. July 23, 2016
http://www.nytimes.com/2016/07/24/opinion/sunday/the-right-way-to-bribe-your-kids-to-read.html?_r=0
"The Right Way to Bribe Your Kids How to Read"
Story on reading.

13. The New Yorker. February 11, 2015
http://www.newyorker.com/science/maria-konnikova/how-children-learn-read
"How Children Learn to Read"
Story highlighting Fumiko Hoeft's work.

14. UCSF Press Release. September 15, 2014
http://www.ucsf.edu/news/2014/09/117256/study-first-use-brain-scans-forecast-early-reading-difficulties
Psychological Science "This week in Psychological Science"– 09/23/2014
KQED – 9/28/2014
http://blogs.kqed.org/science/2014/09/29/mri-research-at-ucsf-could-help-diagnose-dyslexia-even-earlier-in-children/
US News – 09/22/2014
http://consumer.healthday.com/kids-health-information-23/child-development-news-124/briefs-9-15-ucsf-brian-scans-can-help-predict-young-children-s-reading-abilities-691829.html
UCSF & NIH podcasts and others.
Stories on a study published in *Psychol Sci* 2014

15. UCSF Psychiatry Press Release. December 11, 2014
http://psych.ucsf.edu/news/gazzaley-hoeft-take-part-white-house-workshop-neuroscience-and-learning
White House OSTP workshop on Neuroscience of Learning

16. SF Gate. February 07, 2013
CCC and UCSF Laboratory for Educational Neuroscience Form Partnership to Collaborate on Creativity in Children
http://www.sfgate.com/business/prweb/article/Center-for-Childhood-Creativity-and-UCSF-4260428.php#ixzz2SDWAxZFf

17. Stanford Medicine Magazine. September 28, 2011
http://med.stanford.edu/ism/2011/september/dyslexia.html
NICHD Press Release – 11/03/2011
http://www.nichd.nih.gov/news/releases/110311-dyslexia-IQ.cfm?renderforprint=1
MIT Press Release – 09/23/2011
http://web.mit.edu/newsoffice/2011/dyslexia-iq-0923.html
Psychological Science – 09/28/2011

http://www.psychologicalscience.org/index.php/news/releases/fmris-show-that-dyslexia-isnt-a-matter-of-iq.html
LA Times – 11/03/2011
http://articles.latimes.com/2011/nov/03/news/la-heb-dyslexia-20111103
And many others such as Telegraph Daily, and MIT Press Release.
Stories on a study published in *Psychol Sci* 2011

18. Stanford Medicine News. May 3, 2010
http://med.stanford.edu/ism/2010/may/fragile-X.html
Neurology Today – 07/15/2010
http://journals.lww.com/neurotodayonline/Fulltext/2010/07150/Imaging_Reveals_Early_Alterations_in_Brains_of.1.aspx
Science Daily - 05/04/2010
http://www.sciencedaily.com/releases/2010/05/100503161239.htm
Stories on a study published in *PNAS* 2010

19. Stanford Medicine Magazine. December 20, 2010.
http://med.stanford.edu/ism/2010/december/dyslexia.html
NICHD Press Release – 12/20/2010
http://www.nichd.nih.gov/news/releases/121610-dyslexia-brain-scans.cfm
KGO AM 810 radio show 12/20/2010
CNN News – 12/21/2010
http://www.cnn.com/2010/HEALTH/12/21/dyslexia.kids/index.html
TIME Magazine – 12/20/2010
http://healthland.time.com/2010/12/20/diagnosing-dyslexia-better/
Science Magazine (ScienceNow) – 12/20/2010
http://news.sciencemag.org/sciencenow/2010/12/a-better-read-on-the-dyslexic-br.html?rss=1
And many others such as Reuters, WebMD, MIT Press Release, and Vanderbilt Press Release.
Stories on a study published in *PNAS* 2011

20. Stanford Medicine Magazine. February 4, 2008.
http://med.stanford.edu/news_releases/2008/february/videobrain.html
KCBS radio - 02/06/08
http://www.kcbs.com/pages/1595099.php?contentType=4&contentId=1509521
Yahoo! News - 02/08/08
http://news.yahoo.com/s/hsn/20080209/hl_hsn/formalesvideogamerewardsareallinthemindhttp://www.washingtonpost.com/wp-dyn/content/article/2008/02/08/AR2008020801300_pf.html
CNN News - 2/13/08
http://www.cnn.com/video/#/video/health/2008/02/13/gupta.video.games.cnn
New York Times - 02/19/08
http://www.nytimes.com/2008/02/19/health/19patt.html
And many others ….
Stories on a study published in *J Psychiatr Res* 2008

21. Post-Gazette, February 11, 2007, Dyslexia begins when the wires don't meet
http://www.post-gazette.com/pg/07042/760823-114.stm
Story on a study published in *Cerebr Cort* 2007.

22. Telegraph UK, Feb 20, 2007, Clue to Cause of Dyslexia
http://www.telegraph.co.uk/connected/main.jhtml?xml=/connected/2007/02/20/ndyslexia20.xml
Story on a study published in *PNAS* 2007.

23. APA Press, June 10, 2007, Methods to Identify At-Risk Readers

http://www.apa.org/releases/at-risk_readers.html
Other stories in Science Daily, Yahoo! News, Herald Globe, etc…
Stories on a study published in *Beh Neurosci* 2007.

24. Nueva School, October 24, 2007, Press release: Gifted Learning Conference
https://www.nuevaschool.org/base.php?q__=xUD5zftwihxPiuI90CgbQNrr7JUSwCZPrwXUoLTDFwy76KVYOkvTkB8CgC6gjGmQ (about the Gifted Learning Conference 2007)

25. Stanford Interaction, Fall 2007, The Stanford's Latest Brainchild
http://multi.stanford.edu/interaction/
Story on brain imaging in general

26. Stanford Report, November 7, 2007, Cardinal Chronicle
http://news-service.stanford.edu/news/2007/november7/col-110707.html
Story on opening remarks for a film screening 'Headstrong'

27. Stanford Medicine Magazine. Fall, 2005. *The science and ethics of exploring the mind*
http://mednews.stanford.edu/stanmed/2005fall/brain-main.html
Story on TMS and ethics

28. NPR. July 6, 2005, Tracking and Controlling Pain by Sight
http://www.npr.org/templates/story/story.php?storyId=4731172
Technology Review. Dec 19, 2005, Mind-Control Over Pain
http://www.trjobs.com/Biotech/16062/page1/
Nature Reviews Neuroscience 7, 90; Feb 2006, Pain: Thinking pain away
http://www.nature.com/nrn/journal/v7/n2/full/nrn1858.html
Nature News. Dec 12, 2005, Thought control brings pain into line: Brain imaging helps pain patients learn to reduce their own pain. http://www.nature.com/news/2005/051212/full/051212-1.html
Stories on a study published in *PNAS* 2005.

29. New Scientist. May 1, 2004. *Brain-watching helps suppress pain*
http://www.newscientist.com/article.ns?id=mg18224451.400
New Scientist. May 3, 2004. *Controlling brain by watching your brain*
http://www.newscientist.com/article.ns?id=dn4931
Stories on real time fMRI training in healthy subjects to control brain activation

30. New Scientist. Dec 18, 2004. *Sounds change the way people see*
http://www.newscientist.com/article.ns?id=mg18424785.400
Story on a study published in *Curr Biol* 2004.

31. Psychiatry News 2003 38: 16-17. *New International Group Links Young Psychiatrists*
http://pn.psychiatryonline.org/cgi/content/full/38/12/16
Story on WAYPT

32. The Chronicle of Neurology and Psychiatry. March, 2003: 22-23
Story on TMS and depression

33. Sankei Shinbun. 6/8/2004 p.14
Story on multi-sensory integration, and innateness of metaphor, language and thought

34. Discovery Channel: Health: *Brain Imaging*. 2002.
Story on functional brain landmark project and other projects at BMC

35. Society for Neuroscience Press Conference. *Mind Function: Deception & Intention*. November, 2001. (SFN Poster Presentation in 2001)

Story on an fMRI study of intentionality

36. Wired Magazine. *Let's make your head interactive*. August, 2001.
Story on the functional brain landmark project and other projects at UCLA Brain Mapping Center

37. ABC-TV: News Report. *New Hope: TMS as a New Treatment for Depression*. Fall, 1999 **Story on TMS as a therapeutic tool in Depression**