CURRICULUM VITAE

Peter T Fox M.D

GENERAL INFORMATION

PERSONAL DATA: **Date of Preparation:** 11/12/2010

Address: Research Imaging Institute
7703 Floyd Curl Drive, MC 6240
San Antonio, TX 78229

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EDUCATION:

Year	Degree	Discipline	Institution/Location
1979	M.D.	Medicine (*Cum Laude)*	Georgetown University School of Medicine, Washington, DC
1975	B.A. Liberal Arts	Liberal Arts (*Magna Cum Laude)*	St. John's College, Annapolis, MD

TRAINING:

Internship

Year	Discipline	Institution/Location
1979-1980	Internal Medicine	Duke University Medical Center, Durham, NC

Post Doctoral Fellowship

Year	Discipline	Institution/Location
1983-1984	Radiotracer Imaging	Washington University School of Medicine, St. Louis, MO

Residency

Year	Discipline	Institution/Location
1980-1983	Neurology	Barnes Hospital, St. Louis, MO

ACADEMIC APPOINTMENTS:

09/2008 - Present	Vice Chair for Research and Research Education	The University of Texas Health Science Center at San Antonio, Department of Radiology, TX
01/2007 - Present	Professor	College of Liberal and Fine Arts, University of Texas, San Antonio, San Antonio, TX

01/2007 - Present	Professor	Honors College, University of Texas, San Antonio, San Antonio, TX
01/2005 - Present	Director, Imaging Core, Nathan Shock Center	The University of Texas Health Science Center at San Antonio, TX
01/2004 - Present	Professor	The University of Texas at San Antonio, Department of Psychology, San Antonio, TX
01/2003 - Present	Professor	The University of Texas at San Antonio, Department of Center for Biomedical Engineering, San Antonio, TX
06/2002 - Present	Director, Imaging Core, GCRC	The University of Texas Health Science Center at San Antonio, TX
01/2002 - Present	Professor	The University of Texas at San Antonio, Department of Biology, San Antonio, TX
01/1998 - Present	Professor and Graduate Faculty	The University of Texas Health Science Center at San Antonio, Department of Cellular & Structural Biology, San Antonio, TX
01/1994 - Present	Professor	The University of Texas Health Science Center at San Antonio, Department of Physiology, San Antonio, TX
01/1993 - 12/1994	Adjunct Professor	The Univeristy of Texas at San Antonio, Department of Division of Life Sciences, San Antonio, TX
01/1992 - Present	Adjunct Professor	The University of Texas at Austin, Department of Psychology, Austin, TX
10/1991 - Present	Professor, Departments of Radiology, Medicine, (Division of Neurology), Psychiatry	The Univeristy of Texas Health Science Center at San Antonio, Department of Radiology, San Antonio, TX
01/1991 - Present	Director	The University of Texas Health Science Center at San Antonio, Department of Research Imaging Institute, San Antonio, TX
01/1989 - 01/1991	Associate Professor	Johns Hopkins University, Department of Radiology, Neurology and Psychiatry, Baltimore, MA
01/1985 - 01/1989	Assistant Professor	Washington University, Department of Neurology, St. Louis, MO
01/1985 - 01/1989	Director	Barnes Hospital, Department of Neurological Intensive Care Unit, St. Louis, MO
01/1984 - 01/1989	Instructor	Washington University, St. Louis, MO
01/1983 - 01/1984	Research Instructor, Departments	Washington University, Department of

	of Radiology and Neurology	Department of Radiology, St. Louis, MO

NON-ACADEMIC APPOINTMENTS:

01/2003 - Present	Physician	Universtiy Health System, San Antonio, TX
01/2001 - Present	Physician	Department of Veterans Affairs Audie L. Murphy Memorial Veterans Hospital, San Antonio, TX
01/1992 - 12/2001	Consulting Physician	Department of Veterans Affairs Audie L. Murphy Memorial Veterans Hospital, San Antonio, TX
04/1991 - 05/1997	Chief, Division of Emission Imaging	The University of Texas Health Science Center at San Antonio, San Antonio, TX
01/1985 - 01/1989	Consulting Staff	The Jewish Hospital of St. Louis, St. Louis, MO
01/1985 - 01/1989	Assistant Neurologist	Barnes Hospital, St. Louis, MO

CERTIFICATION AND LICENSURE:

Board Certification

Description/Agency	Status	Date Acquired	Number	Expiration
Diplomate - American Board of Psychiatry and Neurology (Neurology)	Certified	01/1985	n/a	n/a
Diplomate - National Board of Medical Examiners	Certified	01/1980	n/a	n/a

License to Practice

Description/Agency	Status	Date Acquired	Number	Expiration
State of Texas	Certified	01/1991	J0491	n/a
State of Maryland	Certified	10/1989	D38996	n/a
State of Missouri	Certified	01/1980	R9A22	n/a

HONORS AND AWARDS:

02/2010	Malcolm M. Jones, MD Distinguished Professorhip
01/2009	Presidential Distinguished Scholar: UTHSCSA 2009 Presidential Awards
11/2005	American-Speech-Language-Hearing Association 2004 Editor‘s Award: for the article of highest merit
01/2005	2004 Paper of the Year, Journal of the American Speech and Hearing Associat
01/2004	2003 Most Highly Cited Scientist, Neuroscience Category, Institute for Scie

04/2002 Faculty of Social Sciences, The University of Hong Kong: Honorary Professor

05/2000 AAAS: Fellow

01/1992 Southern Neurosurgical Society: Hudson Lecturer

01/1991 Associate Member of The American Society of Neuroradiology

01/1989 The American Neurological Association

01/1985 Scanditronix Fellowship: XII International Symposium on Cerebral Blood Flow and Metabolism

01/1984 Teacher Investigator Development Award: 1984 - 1989

01/1983 National Research Service Award: 1983 - 1984

01/1980 Irwin Levy Prize:Excellence in Undergraduate Teaching: Dept. Of Neurology, Washington University

01/1979 Cum Laude: Georgetown University School of Medicine

01/1979 Alpha Omega Alpha: Honor Medical Society

01/1977 Georgetown Clinical Society Award: Excellence in Internal Medience, Georgetown University School of Medicine, 1977 - 1979

01/1976 Tuition Scholarship: Georgetown University School of Medicine, 1976 - 1980

01/1975 Magna Cum Laude: St. John‘s College

01/1974 Catherine Stevens Award: Best Essay St. John‘s College

TEACHING

COURSE BASED TEACHING:

Date	Course Name	Level	Role
01/2005 - Present	RADI 6018 Foundations of Neuro Science Imaging	Graduate	Instructor
01/2005 - Present	RADI 6020 Advance Topics in Cognitive Neuro Science	Graduate	Instructor
01/1993 - 01/2005	RADI6017 Human Behavioral Imaging Methods	Graduate	

OTHER TEACHING:

01/2007 - Present	Honors College Course	UTSA
01/2003 - 01/2007	INDT:5047 Mind & Brain: Meta-Analysis in Cognitive Neuroimaging	UTHSCSA/Grad

Post-Doctoral Student Supervision

Date	Description	Institution	# Students
08/2008 - Present	Supervisor, Post Doctoral Fellow: Kihak Lee, Ph.D.	University of Texas Health Science Center at San Antonio	
08/2007 - Present	Supervisor, Post Doctoral Fellow: Xia (Nancy) Zhao, Ph.D.	UTHSCSA	
03/2007 - Present	Supervisor, Post Doctoral Fellow: Amy Ramage, Ph.D.	University of Texas at Austin	
06/2006 - 08/2009	Supervisor, Post Doctoral Fellow: Matthew Cykowski, M.D.	University of Texas Health Science Center at San Antonio	
06/2006 - 05/2007	Supervisor, Post Doctoral Fellow: Ashely Acheson, Ph.D.	University of Texas Health Science Center at San Antonio	
01/2006 - 01/2008	Supervisor, Post Doctoral Fellow: Adam Jacks, Ph.D.	University of Texas Health Science Center at San Antonio	
01/2006 - Present	Supervisor, Post Doctoral Fellow: Ai-Ling Lin, Ph.D.	UTHSCSA	
01/2005 - 01/2007	Supervisor, Post Doctoral Fellow: Jair Soares, M.D.	UTHSCSA	
01/2004 - Present	Supervisor, Post Doctoral Fellow: Rene Olvera, M.D.	UTHSCSA	
01/2003 - 09/2004	Supervisor, Post Doctoral Fellow: Angela M. R. Laird, Ph.D.	University of Texas Health Science Center	1
01/2002 - 01/2006	Supervisor, Post Doctoral Fellow: Binquan Wang, Ph.D.	UTHSCSA	

04/2001 - 06/2005	Supervisor, Post Doctoral Fellow: Steven Brown, Ph.D.	Research Imaging Center	1
01/2000 - 01/2001	Supervisor, Post Doctoral Fellow: Barbara Harris, Ph.D.	UTHSCSA	
09/1999 - 08/2001	Supervisor, Post Doctoral Fellow: Shalini Narayana, M.D. Ph.D.	Research Imaging Center	1
01/1999 - 01/2000	Supervisor, Post Doctoral Fellow: Stephen Dodd, Ph.D.	UTHSCSA	
01/1999 - 01/2000	Supervisor, Post Doctoral Fellow: John Tennison, M.D.	UTHSCSA	
01/1999 - 12/1999	Supervisor, Research Practicum: Nitin Tandin, M.D., Residency Program	UTHSCSA, Department of Neurosurgery	1
01/1997 - 12/1998	Supervisor, Justine Sergent Memorial EJLB Foundation Fellowship: Aileen Huang-Saad, Ph.D.	Research Imaging Center	1
01/1995 - 12/1998	Supervisor, Justine Sergent Memorial EJLB Foundation Fellowship: Jinhu Xiong, Ph.D.	Research Imaging Center	1
01/1994 - 12/1995	Supervisor, Mind Science Fellow: Shobini Rao, Ph. D.	Research Imaging Center	1
01/1994 - 12/1995	Supervisor, Justine Sergent Memorial EJLB Foundation Fellowship: Hunter Downs, Ph.D.	Research Imaging Center	1

Pre-Doctoral Student Supervision

Date	**Description**	**Institution**	**# Students**
01/2007 - Present	Supervisor, Pre Doctoral Student: Kevin Meier	UTHSCSA	
01/2007 - Present	Supervisor, Pre Doctoral Student: Anna Petersen	UTHSCSA	
01/2006 - Present	Supervisor, Pre Doctoral Student: Janessa Manning (Neuro Sci. Imaging)	UTHSCSA	

01/2006 - Present	Supervisor, Pre Doctoral Student: David McKay Reese (Neuro Sci. Imaging)	UTHSCSA
01/2006 - Present	Supervisor, Pre Doctoral Student: Hsiao-Ying (Monica) Wey, (Radiological Sci.)	UTHSCSA
01/2002 - 01/2006	Supervisor, Pre Doctoral Student: Ai-Ling Lin	UTHSCSA
01/1999 - 01/2004	Supervisor, Pre Doctoral Student: Seonghwan	UTHSCSA
01/1999 - 01/2003	Supervisor, Pre Doctoral Student: Janet Ching-Mei Feng	UTHSCSA
01/1999 - 01/2001	Supervisor, Pre Doctoral Student: Hugo Sandoval	UTHSCSA
01/1995 - 01/2001	Supervisor, Pre Doctoral Student: Mohammed Hasnain	UTHSCSA
01/1995 - 01/1999	Supervisor, Pre Doctoral Student: Yijun Liu	UTHSCSA
01/1991 - 01/1995	Supervisor, Pre Doctoral Student: Jinhu Xiong	UTHSCSA

RESEARCH

EXPERTISE:

Clinical Neurobiology - Clinical neurobiology develop and apply brainmapping techniques for use in diagnostic imaging (e.g., pre-operative functional brain mapping).

Cognitive Neurobiology - Cognitive neurobiology projects use brainmapping techniques to study the physical and temporal organization of the neural systems supporting human behavior.

Human functional brain mapping - Human functional brain mapping using computerized imaging techniques including positron emission tomography, anatomical magnetic resonance imaging, functional magnetic resonance imaging, event-related potentials, magentoencephalography, and transcranial magnetic stimulation.

Imaging Methodology - Imaging methodology focus on anatomical and functional normalization of image-data and automated image analyses for functional brain mapping.

PROJECTS:

Co-Investigator

09/2004-Present	In vivo performance of regional CBF monitor
02/2004-Present	Genetics of baboon brain structure, Investigator - Jeffery Rogers Co-Investigators - Peter T. Fox, M.D. and Peter Kochunov, Ph.D.

Departmental Projects

08/2007-08/2008	An investigation of the effects of thirst and its satiaion on regional cere
01/2007-01/2008	Positron-probe Validation for Quantitative 15-O PET
11/2006-12/2007	PET/TMS Mapping of the neural circuitry of developmental stuttering
10/2006-06/2008	irTMS system in subjects with major depression, an open-label treatment pilot study to evaluate the efficacy and safety of the image-guided, robotically positioned repetitives transcranial magnetic stimulation system in subjects with major depression
09/2006-09/2008	Mechanisms of action of TMS-induced performance enhancement
03/2006-10/2008	A probability reference system for the human brain protocol D. The Role of
12/2005-08/2008	Stuttering Therapy and Neurophysiological Interaction
09/2004-03/2008	Neuronal population modeling with TMS, PET and EMG
08/2004-12/2007	Neuroimaging in the Oklahoma Family Health Patterns Project
06/2003-12/2007	A neuroimaging study of aging effects on thirst
01/2003-05/2008	Validation of fMRI measurement of cerebral metabolic rate of oxygen
01/2003-Present	Photogrammetric Face Matching, Investigator - Jack Lancaster, Ph.D.
08/2002-	Imaging mechanisms of action in motor learning

08/2008	
03/2002-08/2008	Efficacy of voice treatment for Parkinson's Disease
03/2002-08/2008	Imaging and modeling therapeutic mechanisms of action
10/2001-01/2008	Functional Neuroimaging of Thermoregulation in Humans
08/2000-Present	Molecular Genetics of Stuttering.
03/1999-Present	Robotic Image-Guided Transcranial Magnetic Stimulation.
02/1999-03/2003	A Neuroimaging Study of Cerebral Plasticity (Neuropsychological).
12/1998-12/2007	ROC Comparison of PET and fMRI in Interictal Partial Complex Epilepsy., Regional Cerebral Blood Flow and Glucose Metabolism in Children with Complex Partial Seizures.
12/1998-05/2001	Human Functional Brain Mapping with PET: Brain Representation of Body Schem
10/1998-04/2002	Phase 1 Open-Label Dose and Regimen Escalation Study of CP-358,774, Phase 1 Open-Label Dose and Regimen Escalation Study of CP-358,774 in Subjects with Advanced Solid Tumors. PET Scan.
10/1998-Present	Metanalysis in Cognitive Neuroimaging: Methods Validations.
09/1998-05/2001	Neurobehavioral Outcome of Head Injury in Children.
09/1998-Present	Probabilistic Reference System for the Human Brain - MRI & EEG.
08/1998-Present	The Establishment of Language Dominance for Presurgical Mapping., The Establishment of Language Dominance for Presurgical Mapping in Seizure Patients Using Transcranial Magnetic Stimulation.
05/1998-02/2002	Orientation and Intensity Effects of Transcranial Magnetic Stimulation., Orientation and Intensity Effects of Transcranial Magnetic Stimulation on Cerebral Blood Flow.
02/1998-12/2007	Regional Cerebral Blood Flow and Glucose Metabolism in Children with Comple
05/1997-12/2002	Neuroimaging & TV Violence Viewing. Part 2-fMRI

05/1997-Present	The Effect of Transcranial Magnetic Stimulation on Stuttering.
04/1997-02/2002	Functional Imaging of Brain Areas Involved in Ambient Vision.
04/1997-12/2001	Neuroimaging & TV Violence Viewing (Behavior).
03/1997-01/2002	Functional Organization of Higher Cognitive Processes in Adults.
01/1997-12/2006	A Study of Glucose Metabolism in Tumors Using FDG PET.
01/1997-Present	Evaluation of Tumor Metabolism., Evaluation of Tumor Metabolism via FDG and PET in Head & Neck Cancer Treated with Onyx-O15.
05/1996-Present	A Neuroimaging Study of Cerebral Plasticity.
02/1996-12/2007	Functional Volumes Modeling.
10/1994-03/2001	Magnetic Resonance Imaging and Spectroscopic Studies., Magnetic Resonance Imaging and Spectroscopic Studies of Patients with Alzheimer‘s Disease.
08/1994-03/2001	Functional and Structural Imaging in Closed-Head Trauma.
05/1994-Present	Technology Development and Application at a High Field (3T) MRI Scanner., Formerly: Development of Functional MRI Techniques.
01/1994-Present	Effects of Growth Hormone Therapy on children with the 18q- Syndrome., Formerly: Growth Hormone Effects on Myelin Basic Protein (MBP) Expression.
09/1993-Present	Probabilistic Reference System for the Human Brain - PET/MRI.
07/1993-02/2002	The Functional Neuroanatomy of Emotion: A PET Brain Mapping Study., Formerly: Testing a Model of Mood: Affective challenges in active and remitted depression.
03/1993-Present	Regional Cerebral Blood Flow and Glucose Metabolism in Patients with Comple
12/1992-12/2007	Human Functional Brain Mapping with PET: Intersubject Variability.
10/1992-12/2007	Investigating the Neural Bases of Chronic Stuttering.

09/1992-02/2002	The effect of Prozac Treatment., The effect of Prozac Treatment on Mood, Cognition & Brain Glucose Metabolism in Patients with Primary Unipolar Depression.
07/1992-03/2001	Fluoxetine Effects on Mood, Cognition & Metabolism.
07/1992-Present	Anterior Cingulate Metabolism in Depression., Anterior Cingulate Metabolism in Depression: Testing a Network Model of Normal and Abnormal Mood Regulation.
Missing Date-03/2002	MRI & CT Human Face Modeling.
Missing Date-03/2001	Recovery of Function Following Pediatric Brain Injury., Recovery of Function Following Pediatric Brain Injury: A Neuro-Imaging Study of Cerebral Plasticity.
Missing Date-Present	BrainMap: A Database of Neural Systems of Human Behavior.
Missing Date-Present	Imaging of Brain Areas., Imaging of Brain Areas Activated by Increased Plasma Osmodality in the Baboon.
Missing Date-Present	Intersubject Variability in the Human Visual Cortex.

Investigator Initiated Projects

10/2004-Present	Comparison of PET-based CMR02 Determination Techniques for the rodent

NIH/NCI funded project

11/2006-12/2007	Robotic Image-Guided transcranial magnetic stimulation

PUBLICATIONS: ***('*' indicates Peer Reviewed)***

Abstract

1. Hilsabeck RC, Narayana S, Franklin C, Webb AL, Poy IG, Ali O, Stern SL, Fox PT, Ahuja SK. Brain Glucose Metabolism and Cognitive Performance after 12 weeks of Interferon-alpha Therapy. (pending publication) 2011 Feb. (Journal of International Neuropsychological Society).

2. Williamson DE, Olvera RL, Ramage AE, Fox PT, Kochunov P. Attenuated White Matter Integrity is Associated with Increased Depressive Symptoms in Adolescents: Evidence from the Teen Alcohol Outcomes Study (TAOS) 2010 May. p. 243S. (Biological Psychiatry; vol. 67, no. 9).

3. Wey H-Y, Li J, Jones L, Leland MM, Szabo CA, Wang J, Fox PT, Duong TQ. Quantitative CBF MRI of anesthetized baboon using pseudo-continuous ASL.,

Stockholm, Sweden 2010 Mar.

* 4. Coop AD McKay R Lancaster JL Fox PT. Single neuron electrophysiology of transcranial magnetic stimulation. I. Passive responses 2010. (BMC Neuroscience).

5. Larson C, Flagmeier S, Lancaster J, Fox PT, Robin DA. Neural mechanisms underlying vocal responses to perturbations in voice pitch auditory feedback 2010. (Proc. Auditory Res. Meeting, The Acoustical Society of Japan, Vol. 40, No. 4, H-2010-53; vol. 40, no. 4).

* 6. Wey H-Y, Li J, Szabo CA, Fox PT, Leland MM, Jones L, Duong TQ. BOLD fMRI of visual and somatosensory-motor stimulations in baboons. 2010. p. 1420-1427. (NeuroImage; vol. 52).

* 7. Szabo CA, Narayana S, Franklin C, Knape K, Leland MM, Williams JT, Fox PT. Covariance analysies of occipital lobe activation in the photosensitive baboon: Asymmetry of ILS processing? 2009 Dec. (Annual Meeting of the American Epilepsy Society in Boston, MA).

8. Woolsey, M.D., Chaves, O.C., Olvera RL, Martinez, D.M., Rice, P., Fox PT, Blangero, J., Glahn, D.C.,. Endophenotypes for Recurrent Major Depression Identified in Randomly Ascertained Multigenerational Pedigrees 2009 Apr. p. 59s. (Biological Psychiatry; vol. 64, no. 8s).

* 9. Szabo CA, Kochunov P, Knape KD, McCoy KJ, Leland MM, Lancaster JL, Fox PT, Williams JT, Rogers J. Sulcal areas in Baboons (Papio hamadryas spp) with generalized interictal Epileptic discharge on scalp EEG. 2009. (International Epilepsy Congress Budapest. Hungary).

10. Rabago C, Lancaster, J; Naryana, S., Zhang, W., Fox, P. Model-Based Characterization of the Cortical Silent Period 2008 Nov. (Society for Neuroscience 2008 Annual Meeting, Washington, DC).

11. Rabago CA; Lancaster, JL; Narayana, S; Zhang, W; Fox, PT. The Impact of Intensity Estimates on Transcranial Magnetic Stimulation Response Profiles of Motor Evoked Potentials and Cortical Silent Periods 2008 Nov. (Society of Neuroscience 2008 Annual Meeting, Washington, DC).

* 12. MacKay DR Coop AD Lancaster JL Fox PT. Investigating the interaction of transcranial magnetic stimulation with a model cortical neuron 2008. p. P58. (BMC Neuroscience; vol. 9, no. S 1).

13. Rabago CA; Narayana, S.; Zhang, W., Fox, PT; Lancaster, JL. Transcranial Magnetic Stimulation as a New Tool to Supplement Current Clinical Electrophysiologic Techniques 2007 Jun. (World Physical Therapy Congress, Vancouver, Canada 15th International Meeting).

* 14. Szabo CA, Narayana S, Kochunov P, Franklin C, Knape KD, Davis MD, Fox PT, Leland MM, Williams JT. CBF Changes Due to Seizures and Interictal Discharges in the Baboon Colony 2007 Jan. p. 279. (Epilepsia; vol. 48, no. 279).

* 15. Narayana S, Zhang W, Franklin, C, Vogel, D., Lancaster JL, Fox, PT. Changes in Speech Motor Network Following Speech Therapy in Parkinson's Hypophonia:

Evidence from TMS-PET 2006 Jun. (International Conference on Functional Mapping of the Human Brain, Florance Italy.).

* 16. Szabo CA, Narayana S, Kochunov P, Franklin C, Knape KD, Williams, JT Fox, PT. Functional PET During Photic Stimulation in the Photosensitive Baboon. International Conference on Functional Mapping of the Human Brain. International Conference on Functional Mapping of the Human Brain, Florence, Italy 2006 Jun.

17. Rabago, C., Narayana S, Zhang W, Fox, PT, Lancaster JL. Transcranial Magnetic Stimulation Measurements of Interhemispheric Conduction Times in Humans 2006 Jun. (International Conference on Functional Mapping of the Human Brain, Florance Italy).

* 18. Soares JC, Tordesillas-Gutierrez, Diana, Glahn DC, Franklin, Crystal, Barrett, Jennifer, Caetano, Sheila, Fox, PT. Structural Study of the Hippocampus in Bipolar Disorder: Comparison Between Euthymic Patients and Healthy Subjects 2006 Apr. (Biological Psychiatry; vol. 59, no. 8S).

19. Soares JC, Coyle, Thomas R., Kochunov P, Rupal, Patel, Nery, Fabiano G., Lancaster JL, Mangin, Jean-Francois, Riviere, Denis, Pillow, David R., Davis, Gregory J., Nicoletti, Mark, Monkul, E. Serap, Fox, PT. Cortical Sulci and Bipolar Disorder 2006 Apr. (Biological Psychiatry; vol. 59, no. 8S).

20. Narayana S, Vogel, D., Brown S, Lancaster JL, Zhang W, Fox, PT. Mechanism of Action of Voice Therapy in Parkinsonâ€˜s Hypophonia - A PET study. 2005 Jun. (International Conference on Functional Mapping of the Human Brain, Toronto, Canada).

* 21. Glahn DC, Barrett J., Franklyn C, Fox, PT, Velligan DI. Contrasting mnemonic processes in schizophrenia: neuropsychological and functional neuroimaging evidence for disrupted memory control 2005 Apr. p. 420-420. (Schizophrenia Bulletin; vol. 31, no. 2).

* 22. Ritch J, Glahn DC, Barrett J, Velligan DI, Franklyn C, Fox, PT. Assessing the neurophysiologic correlates of contextual processing defects in schizophrenia 2005 Apr. p. 433-433. (Schizophrenia Bulletin; vol. 31, no. 2).

23. Yee SH, Fox PT. Noninvasive measurements of CBF and CMRO2 in the rat brain using microPET imaging 2005. p. 600. (J Cereb Blood Flow Metab; vol. 25s).

24. Rabago CA; Narayana, S; Zhang, W; Fox, PT; Lancaster, JL. Transcranial Magnetic Stimulation Measurements of Interhemispheric Conduction Times in Humans 2005. (Tenth Annual Neuroscience Symposium by the Institute for Neuroscience).

* 25. Yee SH, Jerabek PA, Fox PT. Cerebral blood flow measurement of the rat brain using H215O microPET imaging. 2004. p. 84-84. (Mol Imaging Biol; vol. 6, no. 2).

* 26. Yee SH, Jerabek PA, Fox PT. Comparison of one- and two-compartment models in determining CBF of the rat brain using microPET. 2004. p. 102-102. (Mol Imaging Biol; vol. 6, no. 2).

* 27. Yee SH, Jerabek PA, Fox PT. Oxidative metabolic rate measurement of the rat brain using O15O microPET imaging. 2004. p. 102-102. (Mol Imaging Biol; vol. 6, no. 2).

28. Brey RL, Fox, PT, Narayana S, Martinez, MJ, Naqibuddin M, Holliday SL, Wallace DJ, Weisman MH, Petri M. Brain Imaging Findings in an SLE Inception Cohort: Brain CONECTIONS. 2004. p. S194. (Arthritis & Rheumatism; vol. 50, no. 9).

* 29. Yee S, Dodd SJ, Gao J, Fox PT. Perturbation corrections of the steady-state model for the determination of dynamic CMRO2 changes. 2003. p. 1800. (proc ISMRM; vol. 11).

* 30. Cody JD, Schaub RL, Semrud-Clikeman M, Thompson NM, Hardies LJ, Lancaster JL, Fox PT, Beck WG, Hoffman DS, Danney M, Ghidoni PD, Stratton RL, Shapira SK, Gay C, Baillargeon JG, Leach RJ, Kaye CI, Hale DE. The 18q- Phenotype: Based on a Comprehensive Clinical Assessment of 90 Individuals. 2003. p. 257. (Pediatr Res; vol. 53).

* 31. Hwang D-R, Pham V, Huang Y, Jerabek PA, Fox PT, DeFronzo RA. Synthesis and in vivo evaluation of [C-11]glyburide for imaging pancreatic beta-cells. 2003. (15th International Symposium on Radiopharmaceutical Chemistry, Sydney, Australia, August 10-14, 2003).

32. Kochunov P, Soared J, Lancaster JL, Fox PT. Deformation fieldmorphometry finding in Bipolar Disorder I patients 2003. (HBM annual meeting 2003 NY).

33. Kochunov P, Hasnain M, Lancaster JL, Brabowski T, Fox PT. A novel approach to study structure-function association: Microwarping 2003. p. 123-134. (Hum Brain Mapping; vol. 18, no. 2).

34. Kochunov P, Fox, PT, Lancaster JL, Tan LH, Amunts K, Zilles K, Mazziotta J, Gao J. Localized morphological brain differences between English-speaking Caucasians and Chinese-speaking Asians: new evidence of anatomical plasticity 2003. (HBM Annual Meeting 2003, NY).

35. Kochunov P, Lancaster JL, Fox PT. Novel approach to study anatomy function association of visual areas 2002 Nov. p. 409. (88th RSNA Scientific assembly and annual meeting; vol. 255).

* 36. Narayana S, Lee JC, Lancaster JL, Jerabek PA, Lee D-L, Fox PT. Unshielded transcranial magnetic stimulation during concurrent PET does not affect the quality of PET data. 2002. (8th International Conference on Functional Mapping of the Human Brain, Kyoto, Japan, 2002).

37. Fox PT, Crank M, Kochunov P, Petersen S, Xiong J, Lancaster JL, Uecker A. BrainMap DBJ:Implementing an E-Journal Model 2002. p. 457. (NeurIImage Human Brain Mapping 2002 Meeting).

38. Narayana S, Fox PT, Lancaster JL, Wenzel D, Brown S, Kochunov P, Egan G. Validation of TMS-aiming holding robotic manipulandum (TMS-AHRM). 2002. (Society for Neuroscience, annual meeting 2002).

39. Narayana S, Lee JS, Lancaster JL, Jerabek PA, Lee DS, Fox PT. Unshielded transcrannial magnetic stimulation during concurrent PET does not affect the quality of PET data. 2002. (International Conference on Functional Mapping of the Human Brain, Sedai, Japan).

40. Tandon N, Narayana S, Lancaster JL, Fox PT. Task independent and functional connectivity of primary and supplementary motor areas. 2002. (International Conference on Functional Mapping of the Human Brain, Sedai, Japan).

41. Narayana S, Fox PT, Tandon N, Franklin C, Cervantes G, Lancaster JL. Primary motor cortical response to alternations in TMS intensity: a PET-EMG comparative analysis. 2002. (International Conference on Functional Mapping of the Human Brain, Sendai, Japan).

* 42. Yee S, Liu HL, Hou J, Pu Y, Fox PT, Gao J. Detection of the brain response during a cognitive task using perfusion-based event-related functional MRI. 2001. p. 1213. (proc ISMRM; vol. 9).

43. Lancaster JL, Tandon N, Narayana S, Zamarripa F, Fox P,. Connectivity of the Human supplementary motor area (SMA) revealed by concurrent TMS-PET 2001. p. 1313. (NeuroImage; vol. 13).

44. Ozus B, Liu H, Chen L, Iyer MB, Fox PT, Gao J. Rate dependence of human visual cortical response due to transient stimulation. 2001. p. 665. (ISMRM).

45. Feng C, Tan L, Fox PT, Gao J. Cortical basis of phonological effects in reading words: a fMRI study of written Chinese. 2001. p. 669. (ISMRM).

46. Liu H, Lee T, Tan L, Chan C, Feng C, Hou J, Mahankali S, Fox PT, Gao J. Lie detection using functional MRI. 2001. p. 1295. (ISMRM).

47. Liu H, Kochunov P, Hou J, Pu Y, Mahankali S, Feng C, Yee S, Wan Y, Fox PT, Gao J. Perfusion-weighted imaging of inter-ictal temporal lobe epilepsy using FAIR-HASTE. 2001. p. 1599. (ISMRM).

48. He G, Mao J, Perry A, Gao J, Fox PT, Liu Y. The temporal constancy of resting brain activity implicated in fMRI studies. 2001. p. 1725. (ISMRM).

* 49. Nickerson L, Martin C, Lancaster JL, Gao J, Narayana S, Fox PT. A method for comparison of spatial distributions of activations measured using two different techniques and application to comparisons with PET. 2001. p. S209. (NeuroImage; vol. 13, no. 6).

50. Tan L, Spinks J, Perfetti C, Fox PT, Gao J. Neural systems of second language learning are shaped by native language. 2001. p. S612. (NeuroImage; vol. 13, no. 6).

51. Xiong J, Pu Y, Martinez M, Gao J, Fox PT. Language mapping for Chinese speakers during visual and auditory word stimulation. 2001. p. S629. (NeuroImage; vol. 13, no. 6).

52. Lee T, Liu H, Tan L, Chan C, Feng C, Hou J, Fox PT, Gao J. Detection of malingering behavior using functional MRI. 2001. p. S698. (NeuroImage; vol. 13, no. 6).

* 53. Narayana S, Tandon N, Ingham R, Ingham J, Martinez M, Lancaster JL, Dodd S, Fox PT. Speech apraxia during low rate transcranial magnetic stimulation (TMS) to dorsolateral frontal cortex. 2001. p. S. (NeuroImage; vol. 13).

54. Kochunov P, Lancaster JL, Fox PT. Towards Optimal Brain Target 2001. (RSNA 2001 annual meeting. Chicago).

55. Kochunov P, Lancaster JL, Fox PT. Investigating a degree of demylenation in 18Q- patients using a novel segmentation tecnique 2001. (87th RSNA Scientific assembly and annual meeting. Chicago).

* 56. Tandon N, Narayana S, Zamarripa F, Lancaster JL, Fox PT, Vollmer DG. Transcranial magnetic stimulation (TMS) intensity dependant alterations in regional cerebral blood flow. 2001. (Annual Meeting of American Association of Neurological Surgeons, Toronto Canada.).

57. Liu H, Kochunov P, Hou J, Pu Y, Mahankali S, Feng CM, Yee SH, Wan Y, Fox PT, Gao J. Perfusion-weighted imaging of inter-ictal temporal lobe epilepsy using FAIR-HASTE. 2001. p. 1599. (PROC. Of Int. Soc. Mag. Reson. Med; vol. 9).

58. Narayana S, Tandon N, Ingham R, Ingham J, Martinez M, Lancaster JL, Perez R, Fox PT. Speech apraxia during low rate Transcranial Magnetic Stimulation (TMS) to dorolateral frontal cortex. 2001. p. S577. (International Conference on Functional Mapping of the Human Brain, Brighton, England; vol. 13, no. 6).

59. Liotti M, Ingham RJ, Ingham JC, Kothmann D, Perez R, Fox PT. Abnormal event-related potentials to spoken and replayed vowels in stuttering. 2001. p. S560. (NeuroImage; vol. 13, no. 6).

60. Lancaster JL, Hardies LJ, Pu Y, Andrews T, Fox PT. A standardized index of white matter development in children using MRI. 2001. p. S805. (NeuroImage; vol. 13, no. 6).

61. Lancaster JL, Kochunov P, Fox PT. An individual representative target brain in talairach space 2001. p. S180. (NeuroImage; vol. 13, no. 6).

62. Brannan SK, Liotti M, Denton D, Egan G, Robillard R, Franklin C, Fox PT. rCBF correlations with breathlessness in normal subjects exposed to CO2. 2001. p. S972. (NeuroImage; vol. 13, no. 6).

63. Sandoval S, Fox PT. Functional imaging of human somatosensory afferent sites. 2001. p. S1248. (NeuroImage; vol. 13, no. 6).

* 64. Narayana S, Tandon N, Ingham R, Ingham J, Martinez M, Dodd S, Xiong J, Lancaster JL, Fox PT. Characterization of speech apraxia produced during low rate TMS to dorsolateral frontal cortex. 2001. (Society of Neuroscience; vol. 119, no. 12).

65. Iyer MB, Lancaster JL, Sandoval H, Perez R, Fox PT. Potentiation of motor cortex excitability by Transcranial Magnetic Stimulation: A comparative study tof two stimulation patterns. 2001. (Society for Neuroscience).

* 66. Lee JS, Narayana S, Lancaster JL, Jerabek PA, Lee DS, Fox PT. No effects of magnetic field by transcranial magnetic stimulation (TMS) on PET data acquistion without shielding. 2001. (Society for Neuroscience).

67. Lancaster JL, Kochunov P, Woldorff M, Liotti M, Parsons L, Rainey L, Nickerson D, Fox P,. Automatic talairach labels for functional activation studies 2000 Jan. p. 843. (NeuroImage; vol. 11).

* 68. Hardies LJ, Lancaster JL, Gay C, Cody JD, Leach RJ, Fox PT. Neurologic abnormalities of the 18q- syndrome and the effect of growth hormone on white matter MRI relaxation times. 2000. p. S131. (Neuroimage; vol. 11, no. 5).

69. Xiong J, Stofer KA, Pu Y, Liu H, Tan L, Gao J, Fox PT. Possible different language processing strategy for Chinese speakers. 2000. p. 900. (ISMRM).

70. Liu H, Pu Y, Nickerson L, Liu Y, Fox PT, Gao J. Comparison of temporal response in perfusion and BOLD based event-related functional MRI. 2000. p. 239. (ISMRM).

71. Liu H, Tan L, Spinks J, Perfetti C, Xiong J, Pu Y, Liu Y, Fox PT, Gao J. FMRI assessment of the Chinese character-word dissociation hypothesis of cerebral laterality. 2000. p. 613. (ISMRM).

72. Liu Y, Fox PT, Liu H, Mao J, Matsuda M, Gao J. Temporal clustering analysis for tracing the maximal fMRI response in human brain. 2000. p. 238. (ISMRM).

73. Mahankali S, Liu Y, Pu Y, Fox PT, Gao J. FMRI of the hypothalamus following glucose administration in a rat model: Implications for obesity and diabetes research. 2000. p. 923. (ISMRM).

74. Pu Y, Liu H, Feng C, Tan L, Xiong J, Spinks J, Perfetti C, Fox PT, Gao J. The temporal response of left frontal lobe during Chinese and English word generation by native Chinese speakers: an event-related fMRI study. 2000. p. 901. (ISMRM).

75. Pu Y, Liu Y, Fox PT, Gao J. Demonstration of the medullary lamellae of the human red nucleus with high-resolution gradient-echo MR imaging. 2000. p. 249. (The 38th Annual Meeting of the American Society of Neuroradiology, Atlanta, Georgia).

76. Liu HL, Pu Y, Feng C-M, Tan LH, Spinks JA, Perfetti CA, Xiong J, Fox PT, Gao J. Brain activation in the processing of single Chinese character: An event-related fMRI study. 2000. p. S265. (NeuroImage).

77. Pu Y, Liu HL, Feng C-M, Tan LH, Xiong J, Spinks JA, Perfetti CA, Fox PT, Gao J. Comparison of brain response in the processing of Chinese and English languages: an event-related fMRI study. 2000. p. S267. (NeuroImage).

78. Xiong J, Stofer KA, Pu Y, Liu HL, Tan LH, Gao J, Fox PT. Different language processing strategy and neural pathways for Chinese speakers. 2000. p. S308. (NeuroImage).

79. Liu HL, Pu Y, Nickerson L, Liu Y, Fox PT, Gao J. Perfusion-based event-related functional MRI: A comparison with BOLD-based response. 2000. p. S464. (NeuroImage).

80. Liu Y, Gao J, Liu HL, Matsuda M, Mao J, Fox PT. Temporal maxima in fMRI response. 2000. p. S530. (NeuroImage).

81. Liotti M, Mayberg HS, Jones VM, Agan LC, Cook CI, Woldorff MG, Jerabek PA, Fox PT. Interactive effects in the anterior cingulate of sadness and selective attention: a PET study. 2000. (Society of Biological Psychiatry Annual Meeting, 2000).

82. Lancaster JL, Hardies LJ, Andrews T, Fox PT. MRI assessment of myelination in the 18q- syndrome using T1. 2000. p. S489. (NeuroImage; vol. 11, no. 5).

83. Lancaster JL, Iyer M, Hardies LJ, Gable C, Roby III JW, Fox PT. Simultaneous assessment of CNS and PNS conduction velocities using TMS. 2000. p. S513. (6th Annual Meeting of the Organization for Human Brain Mapping Meeting, San Antonio, TX; vol. 11, no. 5).

84. Lancaster JL, Kochunov P, Nickerson D, Fox PT. Stand-alone Java-based version of the Talairach Daemon database system. 2000. p. S923. (NeuroImage; vol. 11).

85. Kochunov P, Lancaster JL, Fox PT. Java based platform independent visual interface for reporting brain mapping studies. 2000. p. S925. (NeuroImage; vol. 11).

86. Hardies LJ, Lancaster JL, Gay C, Cody JD, Leach RJ, Fox PT. Neurologic abnormalities of the 18q - syndrome and the effect of growth hormone on white matter MRI relaxation times. 2000. p. S131. (NeuroImage; vol. 11).

87. Tandon N, Fox PT, Ingham R, Ingham J, Collins J, Pridgen S, Lancaster JL. TMS induced modulation of cerebral blood flow in stutters. 2000. p. S279. (NeuroImage; vol. 11).

88. Narayana S, Fox PT, Tandon N, Lancaster JL, Roby III JW, Iyer MB. Use of neurosurgical robot for aiming and holding in cortical TMS experiments. 2000. p. S471. (International Conference on Functional Mapping of the Human Brain, San Antonio, TX, USA.; vol. 11).

* 89. Iyer MB, Lancaster JL, Hardies LJ, Sandoval J, Narayana S, Roby III JW, Fox PT. Intensity and rate dependent changes of transcranial magnetic stimulation evoked motor potentials. 2000. p. S792. (International Conference on Functional Mapping of the Human Brain, San Antonio, TX, USA.; vol. 11).

90. Tandon N, Fox PT, Iyer MB, Narayana S, Ingham R, Lancaster JL. Multimodal evidence for direct corticospinal projections from the human supplementary motor area (SMA). 2000. p. S876. (International Conference on Functional Mapping of the Human Brain, San Antonio, TX, USA; vol. 11).

91. Tandon N, Fox PT, Narayana S, Iyer M, Lancaster JL. TMS-PET as a measure of functional effective connectivity of the human supplementary motor area (SMA). 2000. (Congress of Neurosurgery).

92. Tandon N, Fox PT, Ingham R, Ingham J, Collins J, Pridgen S, Lancaster JL. Transcranial magnetic stimulation (TMS) induced modulation of cerebral blood flow occurs at sites remote from the primary site of stimulation. 2000. (Congress of Neurosurgery).

93. Kochunov P, Lancaster JL, Fox PT. High-Speed High Degree-Of-Freedom Spatial Normalization for Human Brain Imaging 2000. (Medical Physics).

94. Kochunov P, Lancaster JL, Fox PT. Validation of High-Speed High Degree-Of-Freedom Spatial Normalization for Human Brain Imaging 2000. p. 466. (NeuroImage).

95. Fox PT, Ingham R, Ingham J, Zamarripa F, Xiong J, Lancaster JL. Brain correlates of stuttering and syllable production:a PET performance-correlation analysis. 2000. p. S275. (NeuroImage; vol. 11, no. 5).

96. Tandon N, Fox PT, Ingham R, Ingham J, Collins J, Pridgen S, Lancaster JL. TMS induced modulation of cerebral blood flow in stutterers. 2000. p. S279. (NeuroImage; vol. 11, no. 5).

* 97. Tandon N, Fox PT, Narayana S, Iyer M, Lancaster JL. Evidence for the existence of direct corticospinal projections from the human supplementary motor area (SMA). 2000. p. 1580. (Society for Neuroscience; vol. 26, no. 591.1).

98. Iyer MB, Lancaster JL, Hardies LJ, Roby III JW, Perez R, Fox PT. Bilateral depression of motor cortex by unilateral low frequency magentic stimulation 2000. p. 544. (Society for Neuroscience; vol. 26, no. 204.7).

99. Madden LJ, Liotti M, Brannan S, Robillard R, Abplanalp B, Egan G, Shade R, Denton D, Fox PT. Neural correlates of changes in heart rate during CO2 induced air hunger. 2000. p. 1458. (Society for Neuroscience; vol. 26, no. 545.1).

100. Murray JP, Liotti M, Ingmundson P, Fox PT. Children's brain response to TV violence: Functional magnetic resonance imaging (fMRI) of video viewing in 8-13 year-old boys and girls. 2000. (Presented at UNESCO. International Forum of Researchers for :Young People and the Media).

101. Mahankali S, Lancaster JL, Hardies LJ, Fox P. Neuroradiological manifestations of the 18q- syndrome: MR findings 2000. p. S152. (Neuroimage; vol. 11, no. 5).

102. Ingham RJ, Fox PT, Ingham JC, Zamarippa F, Xiong J, Lancaster JL. Brain correlates of stuttering and syllable production: A PET performance-correlation analysis. 2000. (Neuroimage; vol. 5).

* 103. Gao J, Mahankali S, Liu Y, Pu Y, Mahankali A, Wang J, DeFronzo RA, Fox PT, Matsuda M. Altered hypothalamic function in response to glucose ingestion in obese humans: an fMRI study. 1999. p. 816. (ISMRM).

104. Liu HL, Pu Y, Andrews T, Mercier J, Fox PT, Gao J. Cerebral blood flow measurement using adaptive threshold for singular value decomposition technique on dynamic contrast agent MR perfusion imaging. 1999. p. 1863. (ISMRM).

105. Liu HL, Pu Y, Liu Y, Nickerson L, Tatlidil R, Mahankali S, Pongnapang N, Fox PT, Gao J. Intrasubject comparison of relative cerebral blood flow measured by dynamic contrast agent MR perfusion imaging and H2(15)O PET. 1999. p. 607. (ISMRM).

106. Liu HL, Kochunov P, Lancaster JL, Andrews T, Roby III JW, Fox PT, Gao J. Comparison of the center of mass and navigator echo corrections of image shift induced by central frequency shift in EPI fMRI. 1999. p. 271. (ISMRM).

107. Xiong J, Collins J, Pridgen S, Parsons LM, Gao J, Fox PT. Validation of resting state interregional connectivity map via TMS/PET map. 1999. p. 276. (ISMRM).

108. Liu Y, Gao J, Fox PT. Enhanced sensitivity of MR phase imaging to the functional activation in brain regions with high-iron deposition. 1999. p. 1767. (ISMRM).

109. Liotti M, Murray JP, Ingmundson P, Pu Y, Zamarripa F, Mayberg HS, Woldorff MG, Gao J, Fox PT. Effects of TV violence viewing on learning and memory in children. 1999. p. S909. (NeuroImage; vol. 9).

110. Pu Y, Li QF, Zeng CM, Mahankali S, Gao J, Qi J, Luo DX, Hong N, Fox PT, Gao J. Proton magnetic resonance spectroscopy (MRS) of the brain in neonatal hypoxic-ischemic encephalopathy (HIE): Correlation of the detected glutamate concentration with the severity of HIE. 1999. p. 67. (Supplement to the American Journal of Roentgenology; vol. 172, no. 3).

111. Pu Y, Li QF, Zeng CM, Gao J, Qi J, Luo DX, Hong N, Mahankali S, Fox PT, Gao J. Neonatal hypoxic-ischemic encephalopathy (HIE): A H1 MRS demonstration of the relationship between extracellular levels of glutamate and the severity of HIE. 1999. p. 68. (Supplement to the American Journal of Roentgenology; vol. 172, no. 3).

* 112. Matsuda M, Liu Y, Mahankali S, Pu Y, Mahankali A, Wang J, DeFronzo RA, Fox PT, Gao J. Altered hypothalamic function in response to glucose ingestion in obese humans. 1999. p. A27. (Diabetes Supplement; vol. 48, no. 1).

113. Kochunov P, Liu H, Lancaster JL, Andrews T, Fox PT, Gao J. A B(0) shift correction method based on Edge RMS Reduction (ERMSR) and comparison with other correction strategies in EPI fMRI. 1999. (Medical Physics).

* 114. Gao J, Mahankali S, Liu Y, Pu Y, Mahankali A, Wang J, DeFronzo RA, Fox PT, Matsuda M. FMRI demonstration of hypothalamic dysregulation in obesity. 1999. p. S266. (NeuroImage).

115. Andrews T, Liu HL, Roby III JW, Fox PT, Gao J. Use of gradient insert coil for single shot trace imaging. 1999. p. S217. (NeuroImage; vol. 9).

116. Liu HL, Pu Y, Andrews T, Kochunov P, Fox PT, Gao J. Adaptive threshold for SVD technique on dynamic perfusion MRI. 1999. p. S182. (NeuroImage; vol. 9).

117. Liu HL, Pu Y, Liu Y, Nickerson L, Heyl B, Leal S, Cook CI, Fox PT, Gao J. Comparison of relative CBF by dynamic MRI and H2(15)O PET. 1999. p. S119. (NeuroImage; vol. 9).

118. Liu HL, Kochunov P, Lancaster JL, Andrews T, Fox PT, Gao J. Correction strategies of image shift induced by B(0) shift in EPI fMRI. 1999. p. S29. (NeuroImage; vol. 9).

119. Liu Y, Gao J, Mason PA, Ziriax M, Hurt WD, Belt ME, Roby III JW, Pu Y, D'Andrea JA, Fox PT. Temporal differentiation of the global effect and regional effect of microwave heating on the monkey cerebral circulation. 1999. p. S120. (NeuroImage; vol. 9).

120. Liu Y, Gao J, Fox PT. Enhanced sensitivity to functional activation in the high-iron brain regions using MR phase imaging. 1999. p. S121. (NeuroImage; vol. 9).

121. Xiong J, Collins J, Pridgen S, Parsons LM, Gao J, Fox PT. fMRI resting state interregional connectivity map confirmed by TMS/PET map. 1999. p. S203. (NeuroImage; vol. 9).

122. Liu Y, Gao J, Liotti M, Fox PT. Tactile object discrimination sustaining prefrontal

activation. 1999. p. S396. (NeuroImage; vol. 9).

123. Mayberg HS, Brannan SK, Mahurin RK, McGinnis S, Tekell JL, Silva JA, Jerabek PA, Martin CC, Fox PT. Fluoxetine effects on regional glucose metabolism in depression. 1999. (Society for Biological Psychiatry Annual Meeting, 1999).

124. Xiong J, Jerabek PA, Fox PT. Picture-based language task for pre-surgical brain mapping: A PET study. 1999. p. S709. (NeuroImage; vol. 9).

125. Lancaster JL, Kochunov P, Fox PT. 3-D Octree Spatial Normalization. 1999. p. S228. (Neuroimage; vol. 9).

126. Kochunov P, Liu H, Lancaster JL, Andrews T, Fox PT, Gao J. A B0 shift correction method based on Edge RMS Reduction (ERMSR) and comparison with other correction strategies in EPI fMRI. 1999. (National AAPM meeting, 1999).

127. Kochunov P, Liu H., Lancaster JL, Andrews T., Fox PT, Gao J. Comparison of the Center of Mass and Navigator Echo Corrections of Image Shift Induced by Central Frequency Shift in EPI fMRI 1999. p. 271. (Proc. Intl. Reson. Med.).

128. Liotti M, Vogel D, New P, Ramig L, Mayberg HS, Cook C, Fox PT. A PET study of functional reorganization of premotor regions in Parkinson's Disease following intensive speech and voice treatment 1999. (ANN Anual Metting).

129. Pridgen S, Collins J, Fox PT. Chronometric characterization of the effect of TMS on SMA during cued movement. 1999. p. S487. (NeuroImage; vol. 9, no. 6).

130. Woldorff MG, Perez R, Barker A, Liotti M, Pridgen SC, Fox PT. Right occipital ERP effects for non-letter character strings. 1999. p. S1093. (NeuroImage; vol. 9, no. 6).

131. Pu Y, Liu Y, Gao J, Fox PT. Fine structure of human red nucleus demonstrated by high resolution gradient echo magnetic resonance imaging. 1999. p. 118. (Society for Neuroscience; vol. 25, no. 51.11).

132. Xiong J, Parsons LM, Collins J, Pridgen S, Pu Y, Fox PT. fMRI resting state interregional connectivity map confirmed by TMS/PET map. 1999. p. 787. (Society for Neuroscience; vol. 25, no. 315.8).

133. Qin Y-L, Liu Y, Pu Y, Gao J, Fox PT. The time-dependent modulation of effective connectivity in brain regions involved in tongue movement. 1999. p. 787. (Society of Neuroscience; vol. 25, no. 352.1).

134. Liu Y, Fox PT. Uneven variance distributions of the resting brain activity and its temporal constancy in awake humans, A fiew from fMRI studies. 1999. p. 1138. (Society for Neuroscience; vol. 25, no. 461.4).

135. Liu YJ, Pu Y, Gao J,Parsons LM, Xiong J, Liotti M, Bower J, Fox PT. Involvement of the human red nucleus in sensory discrimination. 1998. p. 110. (ISMRI).

136. Liu Y, Gao J, Fox PT. Quantification of dynamic changes in cerebral venous oxygenation with MR phase imaging. 1998. p. 1392. (ISMRI).

137. Xiong J, Parsons LM, Pu Y, Gao J, Fox PT. Improved inter-regional connectivity mapping by use of covariance analysis within rest condition. 1998. p. 1480. (ISMRI).

138. Lemen LC, Fox PT, Woldorff MG, McGinnis S, Jerabek PA, Gao J. Sustained visual stimulation: Neuronal and hemodynamic responses. 1998. p. S263. (NeuroImage).

139. Liu YJ, Fox PT, Gao J. Dynamic changes in cerebral venous oxygenation during motor activation revealed by MR phase images. 1998. p. S267. (NeuroImage).

140. Liu YJ, Gao J, Liotti M, Pu Y, Fox PT. Temporal dissociation of the human subcortical outputs during a tactile discrimination task. 1998. p. S412. (NeuroImage).

* 141. Gao J, Fox PT, Liu YJ, Pu Y, DeFronzo RA, Matsuda M. FMRI of the hypothalamic regions in subjects with obesity. 1998. p. S926. (NeuroImage).

142. Liotti M, Woldorff MG, Xiong J, Parsons LM, Gao J, Pu Y, Zamarripa F, Cook CI, Jerabek PA, Martin CC, Fox PT. Activations in visual cortex by language and non-language tasks in the congenitally blind: a PET study. 1998. p. S21. (NeuroImage).

143. Xiong J, Parsons LM, Pu Y, Gao J, Fox PT. Covarying activity during rest reveals improved connectivity maps. 1998. p. S771. (NeuroImage; vol. 7).

144. Gao J, Fox PT, Lancaster JL, Roemer P, Roby III JW, Harvey P, Schiff J, Pu Y, Liu HL, Liu Y. FMRI using a fuctional neuroimaging system (FNIS). 1998. p. S550. (NeuroImage).

145. Pu Y, Liu YJ, Gao J, Parsons LM, Xiong J, Liotti M, Bower J, Qin YL, Fox PT. Implication of human inferior olive in sensory discrimination: an fMRI study. 1998. p. 1150. (Proceeding of the Society for Neuroscience).

146. Liu YJ, Gao J, Liotti M, Pu Y, Fox PT. An fMRI study of temporal dissociation between the basal ganglia and the cerebella outputs during tactile discrimination. 1998. p. 1763. (Proceeding of the Society for Neuroscience).

147. Xiong J, Parsons LM, Pu Y, Gao J, Fox PT. Inter-regional connectitive of human brain revealed by fMRI during resting. 1998. p. 406. (Proceeding of the Society for Neuroscience).

* 148. Matsuda M, Liu Y, Mahankali S, Pu Y, Mahankali A, Wang J, DeFronzo RA, Gao J, Fox PT. Brain function after glucose intake in obese humans. 1998. p. 372. (The Physiologist; vol. 41, no. 5).

149. Brannan SK, Liotti M, Ingmundson PT, Zamarippa F, McGinnis S, Mayberg HS, Jerabek PA, Martin CC, Fox PT. Traumatic memory induces rCBF changes in a group of Viet Nam veterans. 1998. p. S921. (NeuroImage; vol. 7).

150. Mayberg HS, Liotti M, Brannan SK, McGinnis S, Jerabek PA, Martin CC, Fox PT. Disease and state-specific effects of mood challenge on rCBF. 1998. p. S901. (NeuroImage; vol. 7).

151. Xiong J, Rao S, Woldorff MG, Jerabek PA, Fox PT. Inter-subject variability in task-induced activation during verb generation. 1998. p. S156. (NeuroImage; vol. 7).

152. Kochunov P, Lancaster JL, Nickerson D, Fox PT. Validation of high-speed regional spatial normalization algorithm. 1998. p. A105. (Medical Physics; vol. 25).

153. Lancaster JL, Fox PT, Downs JH, Nickerson DS, Hander T, El Mallah M, Zamarripa F. Automated global spatial normalization using convex hulls. 1998. p. S742. (NeuroImage; vol. 7).

154. Lancaster JL, Kochunov P, Nickerson DS, Fox PT. High-speed regional spatial normalization using an octree method. 1998. p. S743. (NeuroImage; vol. 7).

155. Parsons LM, Hodges DA, Fox PT. Neural basis of the comprehension of musical harmony melody, and rhythm. 1998. (Cognitive Neuroscience Society).

156. Woldorff MG, Pridgen SC, Liotti M, Rao S, Perez III, Fox PT. The verb generation task: The timing of activations. 1998. p. S160. (NeuroImage; vol. 7).

157. Previc FH, Liotti M, Blakemore C, Beer J, Fox PT. Functional imaging of brain areas involved in visually induced self-motion perception in human. 1998. p. 530. (Society for Neuroscience; vol. 24, no. 213.5).

158. Fox PT, Parsons LM, Hodges DA. Neural basis of the comprehension on musical harmony melody and rhythm. 1998. p. 1763. (Society for Neuroscience; vol. 24, no. 695.1).

159. Liotti M, Martin C, Gao J, Mayberg HS, Zamarripa F, Jerabek PA, Fox PT. Xenon effects on rCBF assessed by (15)O-H2O PET. 1997 May. p. S375. (NeuroImage).

160. Liotti M, Mayberg HS, Brannan SK, McGinnis S, Jerabek PA, Martin CC, Fox PT. Mood challenge in remitted depression: an 15-O- water PET study. 1997 May. p. S114. (NeuroImage; vol. 5, no. 4).

161. Mayberg HS, McGinnis S, Liotti M, Brannan SK, Mahurin RK, Jerabek PA, Martin CC, Fox PT. Reciprocal limbic-cortical function and mood: Converging PET findings in depression and normal sadness. 1997 May. p. S303. (NeuroImage; vol. 5, no. 4).

162. Gao J, Xiong J, Lai S, Haacke E, Fox PT. Analytical comparison of half-k and full k-space approaches to functional MRI. 1997. p. S496. (ISMRM).

163. Xiong J, Gao J, Fox PT. The effects of undersampling and discontinuities in keyhole functional MRI. 1997. p. S488. (NeuroImage).

164. Liu Y, Gao J, Pu Y, Fox PT. Venous blood oxygenation assessment in vivo using gradient echo phase imaging. 1997. p. 737. (ISMRM).

165. Lemen LC, Woldorff MG, Seabolt M, Gao J, Fox PT. Neuronal stability in prolonged visual stimulation. 1997. p. S37. (NeuroImage).

166. Liu Y, Pu Y, Gao J, Fox PT. Assessment of human red nucleus activation with fMRI. 1997. p. S263. (NeuroImage).

167. Nickerson L, Xiong J, Gao J, Fox PT. Analysis of the Outer K-space (OK) fMRI

method. 1997. p. S497. (NeuroImage).

168. Pu Y, Gao J, Liu YJ, Liotti M, Fox PT, Bower J, Parsons LM. Influence on the motor system by cerebellar processes that support sensory acquisition: an fMRI study. 1997. (Proceedings of the Society for Neuroscience; vol. 23, no. 18).

169. Liu YJ, Gao J, Pu Y, Parsons LM, Liotti M, Fox PT. Visualization of functioning neural connections between the human red and dentate nuclei. 1997. (Proceeding of the Society for Neuroscience; vol. 23:18).

170. Fox PT, Ingham R, George M, Mayberg HS, Ingham J, Roby III JW, Martin C, Jerabek PA. Imaging human intra-cerebral connectivity by PET/TMS. 1997. (Society for Neuroscience; vol. 757.9).

171. Mayberg HS, Liotti M, Brannan SK, McGinnis S, Jerabek PA, Martin CC, Fox PT. Disease-specific effects of mood challenge in remitted depression. 1997. p. 1406. (Society for Neuroscience; vol. 555.8).

172. Evans A, Collins LJ, Holmes C, Paus T, McDonald D, Zijdenbos A, Toga A, Fox PT, Lancaster JL, Mazziotta J. A 3D probabilistic atlas of normal human neuroanatomy. 1997. p. S349. (NeuroImage; vol. 5, no. 4).

173. Fox PT, Lancaster JL, Parsons LM, Xiong J. Functional Volumes Modeling: Metanalytic Models for Statistical Parametric Imaging. 1997. p. S397. (NeuroImage; vol. 5, no. 4).

174. Lancaster JL, Nickerson DS, Fox PT. An Efficient Method for 3-D Spatial Normalization Using an Octree Decomposition. 1997. p. S420. (NeuroImage; vol. 5, no. 4).

175. Lancaster JL, Summerlin JL, Rainey L, Freitas CS, Fox PT. A Database Server for Talairach Atlas Labels. 1997. p. S663. (NeuroImage; vol. 5, no. 4).

176. Lancaster JL, Chan E, Mikiten SA, Nguyen SA, Fox PT. BrainMap(TM) Search and View. 1997. p. S634. (NeuroImage; vol. 5, no. 4).

177. Parsons LM, Bower J, Xiong J, Saenz M, Fox PT. Cerebral control of cerebellar processes that support passive and active sensation. 1997. p. S215. (Neuroimage; vol. 5, no. 4).

178. Gao J, Xiong J, Lai S, Haacke EM, Fox PT. Analytical Comparison of half-k and full-k space approaches to functional MRI. 1997. (ISMRM).

179. Brannan SK, Mayberg HS, Liotti M, Ingmundson P, Weisenberger J, Alfano M, Miller AM, McGinnis S, Zamarripa F, Fox PT. Neural correlates of fear provocation in normals and PTSD patients. 1997. p. 569. (Society for Neuroscience; vol. 23, no. 228.1).

180. Parsons LM, Fox PT, Lancaster JL. Modelling neural locations of elementary mental operations. 1997. (Psychonomics Society; vol. 2, no. 20).

181. Mayberg HS, Brannan SK, Liotti M, Mahurin RK, Brickman JS, Silva JA, Tekell JL, Jerabek PA, Martin CC, Fox PT. The role of the cingulate in mood homeostasis. 1996

Nov. p. 267. (Society of Neuroscience Abstr.; vol. 22).

182. Martin CC, Jerabek PA, Nickerson LDH, Mayberg HS, Fox PT. The effect of partition coefficient permeability surface product and radioisotope on the signal-to-noise ratio in PET functional brain mapping: A computer simulation. 1996 Jun. (43rd Annual Meeting of the Society of Nuclear Medicine, Denver, Co, June 3-5, 1996).

183. Gao J, Xiong J, Lai S, Haacke E, Woldorff M, Li J, Fox PT. Analytical comparison of keyhole, full k-space, and zero-padding approaches to functional MRI. 1996. p. 1803. (ISMRI).

184. Gao J, Miller I, Lai S, Xiong J, Fox PT. Quantitiative assessment of blood flow effects in functional MRI signals. 1996. p. 287. (ISMRI).

185. Gao J, Lemen L, Xiong J, Patyal BR, Fox PT. Magnetization effects in blood flow NMR imaging of hyperpolarized noble gases. 1996. p. 1358. (ISMRI).

186. Xiong J, Rao S, Gao J, Woldorff M, Fox PT. Cross-validation of PET and functional MRI studies of language lateralization. 1996. p. 1876. (ISMRI).

187. Woldorff M, Fox PT, Matzke M, Lancaster JL, Veeraswamy S, Zamarripa F, Seabolt M, Glass T, Gao J, Martin C, Jerabek PA. Visual spatial attention: Integration of PET and ERP data. 1996. p. S242. (NeuroImage; vol. 3, no. 3).

188. Xiong J, Rao S, Gao J, Woldorff M, Fox PT. Language lateralization: A PET and fMRI comparison study. 1996. p. S468. (NeuroImage; vol. 3, no. 3).

189. Mayberg HS, Brannan SK, Mahurin RK, Brickman JS, Jerabek PA, Martin CC, Fox PT. Anterior cingulate function and mood: Evidence from FDG PET studies of primary and secondary depression. 1996. p. A327. (Neurology; vol. 46).

190. Freitas CS, Summerlin JL, Lancaster JL, Fox PT. Talairach Daemon: Automated Mapping of Surface Anatomy on Standardized Coordinates. 1996. p. 675. (Proceedings of the Society for Neuroscience; vol. 22).

191. Fox PT, Parsons LM, Lancaster JL. Functional Volumes Modeling: A Strategy for System-Level Modeling of Human Neuroimaging Research. 1996. p. 1859. (Proceedings of the Society for Neuroscience; vol. 22).

192. Mahurin RK, McGinnis SM, Zamarripa F, Lancaster JL, Fox PT. Functional subsystems of the resting brain: A BrainMap meta-analysis. 1996. p. S118. (NeuroImage; vol. 3, no. 3).

193. Fox PT, Parsons LM, Lancaster JL, Fox PT. Functional Volumes Modeling. 1996. p. S261. (NeuroImage; vol. 3, no. 3).

* 194. Phillips WT, Lemen LD, Goins BA, Klipper R, Fresne D, Rudolph AS, Martin C, Jerabek PA, Emch ME, Fox, PT, McMahan CA. Oxygen Carrying Capacity and Tissue Oxygen Delivery of Liposome Encapsulated Hemoglobin Using Oxygen-15-Labeled Molecular Oxygen 1996. p. 403A. (Art Cells, Blood Substitutes & Immob Biotech; vol. 24).

195. Parsons LM, Bower J, Fox PT. Cerebellum implicated in perceptual processing rather than motor control Chicago, IL: 1996 Jan. (Abstract for the Annual Meeting of the Psychonomic Society).

* 196. DuPont BR, Gay C, Cody JD, Plaetke R, Hardies LJ, Rauch R, Ghidoni PD, Fox PT, Kaye CI, Leach RJ. Genotype at the myelin basic protein locus with correlation to MRI in the 18q- syndrome. 1995 Oct. p. 238. (Am J Hum Genet, American Society of Human Genetics Annual Meeting, Minneapolis, MN; vol. 57).

* 197. Rauch R, Gay C, Floyd LJ, Cody JD, Ghidoni P, Leach RJ, Lancaster JL, Kaye CI, Fox PT. MR imaging of the changes in the white matter associated with deletion of the long arm of chromosome 18 (the 18q minus syndrome). 1995 Apr. (American Society of Neuroradiology Meeting, Chicago, IL).

198. Rauch RA, Gay C, Floyd LJ, Cody J, Ghidoni P, Leach R, Lancaster J, Kaye C, Fox P. MR Imaging of the changes in the white matter associated with deletion of the long arm of chromosome 18 (the 18q minus syndrome) 1995 Apr. (ASNR Meeting, Chicago, IL).

* 199. Mahurin RK, Miller AL, Velligan DI, Ryder K, Lancaster J, Fox, PT. Brainmap modeling of prefrontal cognitive dysfunction in negative symptom schizophrenia 1995. p. 90-91. (Schizophrenia Research; vol. 15).

* 200. Gay CT, Hardies LJ, Rauch RA, Lancaster JL, Plaetke R, DuPont BR, Cody JD, Herndon RC, Ghidoni PD, Schiff JM, Kaye CI, Leach RJ, Fox PT. Magnetic resonance imaging relaxometry of delayed myelination in the 18q- syndrome: Correlation with myelin basic protein genotype. 1995. p. 520. (Ann Neurol; vol. 38).

* 201. Hardies LJ, Gay C, Kaye CI, Cody JD, Ghidoni P, Rauch R, Leach RJ, Fox PT. Concentration of brain metabolites in children exhibiting a deletion in the long arm of chromosome 18 (the 18q- syndrome). 1995. (Society of Magnetic Resonance, Woods Hole, MA, workshop).

202. Gao J, Xiong J, Li J, Woldorff M, Schiff J, Fox PT. Dynamic functional NMR imaging studies using conventional MRI systems. 1995. p. 248. (ENMRC).

203. Gao J, Xiong J, Li J, Bower J, Fox PT. Dentate-nucleus involvement in shape and texture discrimination: an fMRI study. 1995. p. 169. (Human Brain Mapping, Supplement 1).

204. Gao J, Xiong J, Li J, Schiff J, Roby III JW, Lancaster JL, Fox PT. Blood flow and microcirculation effects in FSE fMRI. 1995. p. 775. (SMR).

205. Xiong J, Gao J, Lancaster JL, Fox PT. Comparison of common statistics used for functional MRI data analysis. 1995. p. 827. (SMR).

206. Gao J, Parsons LM, Bower J, Xiong J, Li J, Brannan S., Fox PT. Cerebellar dentate-nucleus activated by perceptual discrimination, imagined hand movement, and mental rotation of objects. 1995. p. 115. (Society Neuroscience Abstract).

* 207. Lemen L, Phillips WT, Klipper R, Rudolph A, Cliff R, Emch M, Jerabek PA, Martin CC, Fox PT, Goins BA. Using oxygen-15 to study oxygen carrying capacities in Hb-based substitutes. 1995. p. 190. (Clin Nucl Med; vol. 20).

* 208. Phillips WT, Dixon L, Klipper R, Rudolph AS, Cliff RO, Emch MR, Jerabek PA, Martin CC, Fox PT, Goins BA. Use of cyclotron produced oxygen-15 to study oxygen carrying capacity of free and liposome encapsulated Hb. 1995. p. A145. (Artificial Cell, Blood Substitutes and Immobilization Biotechnology; vol. 22).

209. Fox PT, Ingham RJ, Ingham JC, Martin CC, Jerabek PA, Glass T, Downs H, Lancaster JL. Premotor overactivity in stuttering: A PET study of induced fluency. 1995. p. 360. (Human Brain Mapping (Supplement 1); vol. Sup.1).

210. Fox PT, Sergent JS, Hodges D, Martin C, Jerabek PA, Glass T, Downs H, Lancaster JL. Piano performance from memory: A PET study. 1995. p. 418. (Human Brain Mapping (Supplement 1); vol. Sup.1).

211. Liotti M, Laberge D, Jerabek PA, Martin CC, Fox PT. A PET study of focused visual attention to letter shapes. 1995. p. 271. (Human Brain Mapping (Supplement 1); vol. Sup.1).

212. Mayberg HS, Brannan SK, Mahurin RK, Silva JA, Tekell JL, Jerabek PA, Fox PT. FDG PET in depression: Baseline variability and relationship to treatment response. 1995. p. 44P. (J. Nuc. Med. Abst.; vol. 36).

213. Mayberg HS, Brannan SK, Mahurin RK, Silva JA, Tekell JL, Jerabek PA, Glass TG, Martin CC, Fox PT. Functional correlates of mood and cognitive recovery in depression: An FDG PET study. 1995. p. 428. (Human Brain Mapping (Supplement 1); vol. Sup.1).

214. Mayberg HS, Liotti M, Jerabek PA, Martin CC, Fox PT. Induced sadness: A PET model of depression. 1995. p. 396. (Human Brain Mapping (Supplement 1); vol. Sup.1).

215. Rao S, Fox PT, Martin CC, Jerabek PA. Picture naming: A PET study. 1995. p. 232. (Human Brain Mapping (Supplement 1); vol. Sup.1).

216. Woldorff M, Fox PT, Matzke M, Veeraswamy S, Lancaster JL, Jerabek PA. Combined PET and ERP study of sustained visual spatial attention and visual target detection. 1995. p. 49. (Human Brain Mapping (Supplement 1); vol. Sup.1).

217. Woldorff MG, Fox PT, Matzke M, Veeraswamy SV, Lancaster JL, Jerabek PA, Martin CC. Combined PET and ERP study of sustained visual spatial attention and visual target detection. 1995. p. 77779. (Soc. Neurosci. Abst.).

* 218. Lemen L,Goins BA, Klipper R, Jerabek PA, Emch ME, Rudolph AS, McMahan CA, Martin CC, Fox, PT, Phillips WT. Application of Oxygen-15-Labeled Oxygen for Assessment of Hemoglobin-Based Blood Substitutes 1995. p. 155. (J Nucl Med; vol. 36).

219. Gay CT, Rauch RA, Lancaster JL, Plaetke R, DuPont BR, Cody DJD, Herndon C, Hardies JL, Ghidoni PD, Schiff JM, Kaye CI, Leach RJ, Fox PT. MRI Relaxometry of delayed myelination in the 18q-syndrome: correlation with myelin basic protein genotype 1995. (Ann Neurol; vol. 38, no. 520).

220. Mayberg HS, Mahurin RK, Brannan SK, Silva JA, Tekell JL, Glass TG, Jerabek PA, Martin CC, Fox PT. Effects of fluoxetine on regional brain glucose metabolism, mood, and motor and cognitive tasks in unipolar depressives. 1994. (American College of

Neuropsychopharmacology 33rd Annual Meeting, San Juan, Puerto Rico, Dec.12-16, 1994).

221. Parsons LM, Fox PT, Downs JH, Glass TG, Hirsch T, Martin CC, Jerabek PA, Lancaster JL. Implicit movement enables discrimination of visual object shape: Evidence from PET studies. 1994. p. 5. (Soc. Neurosci. Abst.; vol. 20, no. 9.2).

* 222. Gay CT, Lancaster JL, Floyd JL, Marcotte H, Kaye CI, Fox PT. Quantitative magnetic resonance imaging of dysmyelination in the 18q - syndrome. 1994. p. 547-548. (Ann. Neurol.; vol. 36).

* 223. Phillips WT, Dixon L, Klipper R, Rudolph AS, Cliff RO, Emch ME, Jerabek PA, Martin CC, Fox, PT, Goins BA,. Use of Cyclotron Produced Oxygen-15 to Study Oxygen Carrying Capacity of Free and Liposome Encapsulated Hemoglobin 1994. p. A145. (Art Cells, Blood Substitutes and Immob Biotech; vol. 22).

* 224. Gay CT, Lancaster JL, Floyd LJ, Marcotte H, Kaye CI, Fox PT. Quantitative Magnetic Resonance Imaging of Dysmyelination in the 18q- Syndrome 1994. p. 547-548. (Ann Neurol; vol. 36).

225. Fox PT. Mapping and modeling the functional organization of the human brain 1993. p. 443-444. (J Neuropsyc. and Clin Neurosci; vol. 5, no. 4).

226. Fox PT, Mikiten S, Devis G, Lancaster JL. BrainMap: A database of human functional brain mapping. Hamamatsu Photonics K.K.; 1993. (Proceedings of the Fourth International Conference: Peace through Mind/Brain Science (1992)).

227. Fox PT, Applegate CN, Herscovitch P, Goldring S, Raichle ME. Comparision of PET blood-flow imaging with bitemporal epidural electroencephalography in the pre-operative evaluation of partial complex epilepsy. 1990. p. 710. (J Nucl Med; vol. 31).

228. Miezin FM, Fox PT, Raichle ME, Allman JM. An extrastriate region in human visual cortex sensitive to low-contrast moving dots and high temporal frequencies. 1988. p. 326. (Invest Ophth Vis Sci; vol. 29).

229. Petersen SE, Fox PT, Miezin FM, Raichle ME. Modulation of cortical visual responses by direction of spatial attention measured by PET. 1988. p. 22. (Invest Ophth Vis Sci; vol. 29).

230. Ball S, Fox PT, Pardo J, Raichle M. Control state stability for PET brain imaging: Rest versus task. 1988. p. 363. (Neurology; vol. 38, no. sup.1).

231. Ball S, Fox PT, Herscovitch P, Raichle ME. Control state stability for PET brain imaging: "Eyes-closed rest", Same day versus seperate day. 1988. p. 363. (Neurology; vol. 38, no. sup.1).

232. Applegate C, Fox PT, Raichle ME. Habituation of cerebral blood flow responses to cutaneous vibration. 1988. p. 363. (Neurology; vol. 38, no. Sup.1).

233. Fox PT, Petersen S, Posner M, Raichle ME. PET assessment of hemispheric dominance for language. 1988. p. 365. (Neurology; vol. 38, no. sup.1).

234. Fox PT, Petersen S, Posner M, Raichle ME. Is Broca‘s area language specific? 1988. p. 172. (Neurology; vol. 38, no. sup.1).

235. Reiman EM, Raichle ME, Robins E, Fusselman MJ, Fox PT, Mintun MA, Price JL. Activation of temporal poles in normal and patholoigcal forms of human anxiety. 1988. p. 750. (Society for Neuroscience; vol. 14).

236. Fox PT, Applegate CN. Right-hemispheric dominance for somatosensory processing in humans. 1988. p. 760. (Society for Neuroscience; vol. 14).

237. Applegate CN, Fox PT. Cortical responses to paresthesias. 1988. p. 759. (Society for Neuroscience; vol. 14).

238. Meizin FM, Applegate CN, Petersen S, Fox PT. Brain regions in humans activated during smooth pursuit visual tracking. 1988. p. 795. (Society for Neuroscience; vol. 14).

239. Pardo JV, Fox PT, Raichle ME. Neural correlates of human attention to touch and flutter. 1988. p. 749. (Society for Neuroscience; vol. 14).

240. Petersen SE, Fox PT, Posner MI, Raichle ME. Localization of phonological processing in the temporoparietal cortex by PET. 1988. p. 217. (Society for Neuroscience; vol. 14).

241. Fox PT, Petersen SE, Miezin F, Raichle ME, Alman J. Superior parietal activation during visual and oculomotor tasks measured with averaged PET images. 1987. p. 315. (Invest Ophth Vis Sci; vol. 28).

242. Powers WJ, Fox PT, Raichle ME, Snyder AZ. Normal neuronal function does not require normal physiological increase in CBF. 1987. p. S330. (J Cereb Blood Flow Metab; vol. 7).

243. Raichle ME, Fox PT, Herscovitch P, Mintun MA. Capillary recuitment occurs during focal physiological activation in the human brain. 1987. p. S338. (J Cereb Blood Flow Metab; vol. 7).

244. Mintun MA, Fox PT, Swift AG, Raichle ME. High-resolution functional brain mapping in three dimensions with positron emission tomography. 1987. p. S440. (J Cereb Blood Flow Metab; vol. 7).

245. Fox PT, Petersen SE, Posner MI, Raichle ME. Language-related brain activation measured with PET: Comparison of auditory and visual word presentations. 1987. p. s294. (J Cereb Blood Flow Metab; vol. 7).

246. Raichle ME, Fox PT, Mintun ME, Dense C. Cerebral blood flow and oxidative glycolysis are uncoupled by neuronal activity. 1987. p. S300. (J Cereb Blood Flow Metab; vol. 7).

247. Fox PT, Burton H, Raiche ME. A technique for preoperative mapping of cortical function with PET CBF imaging. 1987. p. 646. (J Nuc. Med; vol. 371).

248. Snyder AZ, Perlmutter JS, Fox PT, Raichle ME. New vibration evoked potential method: Comparison with cerebral blood flow measurements in human. 1987. p. 675. (Society for Neuroscience; vol. 13).

249. Mintun MA, Fox PT, Raichle ME. Signal averaging applied to positron emission tomography. 1987. p. 850. (Society for Neuroscience; vol. 13).

250. Raichle ME, Fox PT, Mintun MA. FDG Cerebral blood flow and oxidative glycolysis are uncoupled during somatosensory stimulation in humans. 1987. p. 812. (Society for Neuroscience; vol. 13).

251. Miezin Fm, Fox PT, Raichle ME, Allman J. Localized responses to low contrast moving random dot patterns in human visual cortex monitored with positron emission tomography. 1987. p. 631. (Society for Neuroscience; vol. 13).

252. Pardo JV, Fox PT, Goldring S, Raichle ME. Preoperative assessment of cerebral dominance for language using positron emission tomographic measeurements of brain blood flow. 1987. p. 1433. (Society for Neuroscience; vol. 13).

253. Petersen SE, Fox PT, Posner MI, Raichle ME. A comparison of auditory and visual processing of single words using averaged images of cerebral blood flow change. 1987. p. 1433. (Society for Neuroscience; vol. 13).

254. Fox PT, Pardo JV, Raichle ME. Supplementary motor and premotor responses to actual and imagined hand movement with positron emission tomography. 1987. p. 1433. (Society for Neuroscience; vol. 13).

255. Fox PT. Regional coupling of brain blood flow and neuronal electrical activity in human visual cortex: A comparison of PET and VEP. 1987. p. 1004-1005. (Proceedings of the 9th Annual Conference of the I.E.E.E. Engineering in Medicine & Biology Society).

256. Peterson SE, Fox PT, Posner MI, Raichle ME. Brain regions activated by the passive processing of visually and auditorily presented words measured by averaged PET. 1987. p. 1008-1009. (Proceedings of the 9th Annual Conference of the I.E.E.E. Engineering in Medicine & Biology Society).

257. Fox PT, Mintun MA, Raichle ME. Signal averaging applied to positron emission tomography. 1987. p. 1006-1007. (Proceedings of the 9th Annual Conference of the I.E.E.E. Engineering in Medicine & Biology Society).

258. Mintun MA, Fox PT, Raichle ME. Discrimination of fuctional brain responses beneath image resolution with PET. 1986. p. 1025-1026. (J Nucl Med; vol. 27).

259. Burton H, Fox PT, Raichle ME. Localization of human second somatic sensory cortex (SII) using vibration. 1986. p. 1429. (Society for Neuroscience; vol. 12).

260. Petersen SE, Fox PT, Posner MI, Mintun MA, Raichle ME. Focal brain activity during visual language tasks as measured with averaged PET images of evoked CBF change. 1986. p. 1161. (Society for Neuroscience; vol. 12).

261. Fox PT, Miezin FM, Allman JM, Mintun MA, Van Essen DC, Raichle ME. Retinotopic organization of human visual cortex using a PET analysis strategy that improves spatial resolution. 1986. p. 1181. (Society for Neuroscience; vol. 12).

262. Raichle ME, Fox PT, Herscovitch P, Mintun MA. Capillary recuitment occurs during focal physiological activation in the human brain. 1986. p. 178. (Society for

Neuroscience; vol. 12).

263. Fox PT, Raichle ME. Functional topography of the human cerebellum, demonstrated with positron emission tomography. 1985. p. 688. (Society for Neuroscience; vol. 11).

264. Burton H, Fox PT, Raichle ME. Vibrotactile stimulation as a tool for cortical mapping in man with positron emission tomograpy. 1985. p. 755. (Society for Neuroscience; vol. 11).

265. Raichle ME, Fox PT. Cerebral blood flow and oxygen metabolism are regionally uncoupled during focal physiological activation: A positron emission tomographic study. 1985. p. 1125. (Society for Neuroscience; vol. 11).

266. Florence JM, Fox PT, Brooke MH, Planer J. Daily fluctuations of creatine kinase (CK) and myoglobin (Mb) in Duchenne Muscular Dystrophy (DMD) are not random. 1984. p. 193. (Neurology; vol. 34, no. sup.1).

267. Fox PT, Perlmutter JS, Raichle ME. Stereotactic localization for emission computed tomography. 1984. p. 569. (I.E.E.E. Trans Biomed Eng; vol. 31, no. 8).

268. Fox PT, Raichle ME. PET locates and quantitates cortical neuronal activity during the VEP. 1984. p. 572. (I.E.E.E. Trans Biomed Eng; vol. 31, no. 8).

269. Raichle ME, Fox PT. Evaluation of visual and oculomotor systems in man with positron emission tomography. 1984. p. 79. (Electroenceph Clim Neuro physiol; vol. 58).

270. Lauter J, Formby C, Fox PT, Herscovitch P, Raichle ME. Tonotopic organization in human auditory cortex as revealed by regional changes in cerebral blood flow. 1983. p. 248. (J. Cereb Blood Flow & Metab; vol. 3, no. supp1).

271. Ter- Pogossian MM, Ficke DC, Mintun M, Herscovitch P, Fox PT, Raichle ME. Temporal resolution in cerebral examinations with positron emission tomography. 1983. p. 145. (J Cereb Blood Flow & Metab; vol. 3, no. sup.1).

272. Fox PT, Raichle ME. Temporal frequency selectivity of human striate cortex demonstrated by positron emission tomography. 1983. p. 1221. (Society for Neuro science; vol. 9).

273. Burde RM, Fox PT, Raichle ME. Cortical regulation of saccadic eye movements in man demonstrated by positron emission tomography. 1983. p. 751. (Society for Neuroscience; vol. 9).

* 274. Salinas FS, Knape KD, Franklin C, Narayana S, Leland MM, Wey H-W, Duong TQ, Fox PT, Szabo CA. Rate dependent brain activation using intermittent light stimulation in a baboon model.Jun. 2010 in Barcelona, Spain (Annual Meeting of the OHBM).

* 275. Salinas FS, Szabo CA, Franklin C, Leland MM, Wey H-W, Duong TQ, Fox PT, Narayana S. Development of a baboon model using repetitive transcranial magnetic stimulation as evidenced by rate dependent regional brain activations. Jun. 2010 in Barcelona, Spain (Annual Meeting of the OHBM).

* 276. Wey H-Y, Li J, Leland MM, Jones L, Szabo CA, Roby JW, Scribner JT, Kroma G, Fox

PT, Duong TQ. BOLD fMRI of anesthetized baboons. 2010 Mar. Stockholm, Sweden

Book Chapter

* 1. Laird AR, Lancaster JL, Fox PT. Functional Brain Mapping and Activation Likelihood Estimation Meta-Analysis. In: Dhawan AP, Huang HK, Kim DS. Principles and Recent Advances in Medical Imaging and Image Analysis. Hackensack, New Jersey: World Scientific; 2008.

2. Ingham RJ, Ingham JC, Cykowski MD, Fox PT. Neuroimaging contributions to developmental stuttering theory and treatment. In: R.J. Ingham. Neuroimaging in Communication Sciences and Disorders. San Diego, California: Plural Publishing; 2007.

3. Crank M, Fox PT. Broca's Area: A perspective from functional brain imaging. In: ed. Ramachandran VS. Encyclopedia of the Human Brain. San Diego, California: Academic Press; 2002. p. 569 - 587.

4. Ingham RJ, Fox PT, Ingham JC, Collins J, Pridgen S. TMS in Developmental Stuttering and Tourette's Syndrome. In: eds. George MS & Belmaker RH. Transcranial Magnetic Stimulation (TMS). Chapter 12. American Psychiatric Press; 2000. p. 223 - 236.

5. Lancaster JL, Fox PT. Talairach Space. In: ed. Isaac Bankman. Handbook of Medical Image Processing. Chapter 35. Academic Press; 2000.

6. Mazziotta JC, Toga A, Evans A, Fox PT, Lancaster JL, Woods R. A Probabilistic Approach for Mapping the Human Brain. In: eds. Toga AW & Mazziotta JC. Brain Mapping: The Systems. Chapter 5. Academic Press; 2000. p. 141 - 156.

7. Gao J, Zhong J, Fox PT. Functional magnetic resonance imaging. In: eds. Henry Barnett, JP Mohr, Bennett Stein, Frank M Yatsu. Stroke: Pathophsiology, Diagnosis and Managements, 3rd Edition. Philadelphia, PA.: Churchill Livingstone; 1998. p. 121 - 137.

8. Parsons LM, Fox PT. PET and fMRI Studies of Cerebellar Function in Sensation, Perception, and Cognition. In: eds. Hans W. Mueller-Gartner and Balazs Gulyas. Positron Emission Tomography: A critical assessment of recent trends. Dordrecht, The Netherlands: Kluwer Academic Publishers; 1998. p. 371 - 391.

9. Fox PT, Lancaster JL. Brainmap: Electronic Integration of Mind and Brain. In: eds. Hans W. Mueller-Gartner and Balazs Gulyas. Positron Emission Tomography: A critical assessment of recent trends. Dordrecht, The Netherlands: Kluwer Academic Publishers; 1998. p. 319 - 329.

10. Downs JH, Lancaster JL, Fox PT. Surface Based Spatial Normalization Using Convex Hulls. In: ed. Arthur W Toga. Brain Warping, Chapter 15. Academic Press; 1998. p. 263 - 282.

11. Goins BA, Klipper R, Martin C, Jerabek PA, Khalvati S, Fox PT, Cliff RO, Kwasiborski V, Rudolph AS, Phillips WT. Use of Oxygen-15-Labeled Molecular Oxygen for Oxygen Delivery Studies of Blood and Blood Substitutes. In: Hudetz A and Bruley D. Oxygen Transport to Tissue XX. New York, NY: Plenum Press; 1998. p. 643 - 652.

12. Phillips WT, Goins BA, Klipper R, Cook BG, Martin C, Lemen L, Jerabek PA, Khalvati S, Fox PT, Cliff RO, Kwasiborski V, Rudolph AS. Tissue Oxygen Delivery and Tissue Distribution of Liposome Encapsulated Hemoglobin. In: Tsuchida E. Present and Future Perspectives of Blood Substitutes. Amsterdam, Netherlands: Elsevier Science; 1998. p. 147 - 159.

13. Parsons LM, Fox PT. Sensory and Cognitive Functions. In: ed. Schmahmann. The cerebellum and cognition. International Review of Neurobiology. Academic Press; 1997. p. 255 - 271.

14. Ingham RJ, Fox PT, Ingham JC. An (15)O positron emission tomography (PET) study on adult stutterers: Findings and implications. In: eds. Hultstijn W, Peters H and Van Lieshout P. Speech Production: Motor Control, Brain Research and Fluency Disoders. Nijmegen Proceedings 1996. Elsevier Science B.V.; 1997. p. 293 - 306.

15. Ingham R, Fox P, Ingham JC. An H2 O15 positron emission tomography (PET) study on adult stutterers: Findings and implications. In: W. Hulstjin, H.F.M. Peters, and P.H.H.M. van Lieshout. Speech motor production: Motor control brain research and fluency disorders.. Amsterdam: Elsevier; 1997.

16. Gao J, Fullerton GD, Fox PT, Dumoulin CL. Technical Developments in MR angiography. In: Current Review of MRI. Chapter 2. Philadelphia, PA.: Current Medicine; 1995. p. 19 - 28.

17. Brannan SK, Gay CT, Fox PT. Human functional brain mapping: Paradigm design, important characteristics of elementary stimuli, and data reduction/analysis. In: eds. Le Bihan and Rosen. Diffusion and Perfusion: Magnetic Resonance Imaging. Chapter 12. Raven Press; 1995. p. 227 - 238.

18. Gay CT, Brannan SK, Fox PT. Human functional brain mapping: Functional areas, variables, information processing theory. In: eds. Le Bihan and Rosen. Diffusion and Perfusion: Magnetic Resonance Imaging. Chapter 12. Raven Press; 1995. p. 217 - 227.

19. Lancaster JL, Fox PT, Downs JH. 3-D surface based spatial normalization using a convex hull. In: eds. Thatcher, Hollett, Zeffiro, John, Huerta. Functional Imaging: Technical Foundations. Academic Press; 1994. p. 131 - 136.

20. Fox PT, Woldorff MG. Functional mapping of the human brain. In: eds. Koslow, Murthy and Coelho. Decade of the Brain: INDO-USA Research in Mental Health and Neurosciences. NIH: Raven Press; 1994. p. 43 - 57.

21. Fox PT, Pardo J. Does Inter-subject variability in cortical functional organization increase with neural 'distance' from the periphery? Exploring brain functional anatomy with positron tomography. In: Ciba Foundation Symposium 163. Chichester: Wiley; 1991. p. 125 - 144.

22. Posner M, Petersen S, Fox PT, Raichle M. Localization of cognitive operations in the human brain. In: Molecules to Models, Advances in Neuroscience. Chapter 23. American Assoc. Adv. Sci.; 1990. p. 283 - 294.

23. Fox PT. Functional brain mapping with Positron Emission Tomography. In: ed. Richard Frackowiak. Seminars in Neurology. Thieme; 1989. p. 323 - 329.

24. Fox PT. Studies of the normal brain using positron emission tomography. In: PET & SPECT, American Academy of Neurology Course Syllabus #218. 1988.

25. Powers WJ, Fox PT. PET measurements of cerebral blood flow and metabolism: How can they be used to study functional recovery from stroke? In: eds. Ginsberg M, Deitrich WD. Cerebrovascular Diseases, 16th Research (Princeton) Conference.. New York: Raven Press; 1988. p. 353 - 357.

26. Applegate CN, Fox PT. Neurological Emergencies. In: eds. Dunagan W, Ridner M. The Washington Manual of Medical Therapeutics, 26th Edition. Boston: Little Brown; 1988. p. 463 - 481.

27. Fox PT, Raichle ME. Cerebral blood flow and oxidative metabolism are focally uncoupled by physiological activation: a positron-emission tomographic study. In: eds. Powers WJ, Raichle ME. Cerebrovascular Diseases. 15th Research (Princeton) Conference. Chapter 16. New York: Raven Press; 1987. p. 129 - 148.

28. Fox PT. Neurological Emergencies. In: eds. Orland MJ, Saltman RJ. The Washington Manual of Medical Therapeutics, 25th Edition. Boston: Little Brown; 1986.

Book/Monograph

1. Lancaster JL, Fox PT. BrainMap: Electronic integration of mind and brain Kluwer Academic Publishers; 1998.

2. Lancaster JL, Mazziotta JC, Toga AW, Evans AE, Fox PT. Atlases of the Human Brain Mahwah, NJ: Lawerence Erlbaum Associates; 1997.

Editorial

1. Fox PT, Bullmore E, Bandettini PA, Lancaster JL. Protecting peer review: correspondence chronology and ethical analysis regarding Logothetis vs. Shmuel and Leopold. Hum Brain Mapp 2009 Feb;30(2):347-354.

2. Fox PT, Lancaster JL, Friston KJ, Mangun GR. Methods for mapping and modeling the human brain: proceedings of the BrainMap '96 workshop, San Antonio, December 1996. Hum Brain Mapp 1997 Jan;5(4):217-217.

3. Fox PT, Lancaster JL, Ingham RJ. On stuttering and global ischemia. Arch Neurol 1993 Dec;50(12):1287-1288.

4. Fox PT, Perlmutter JS, Raichle ME. Stereotactic method for determining anatomical localization in physiological brain images. J Cereb Blood Flow Metab 1984 Dec;4(4):634-634.

Journal Article

* 1. Kochunov P, Glahn D, Lancaster J, Winkler A, Kent JW, Olvera RL, Cole SA, Dyer TD, Almasy L, Duggirala R, Fox PT, Blangero J. Whole Brain and Regional Hyperintense White Matter Volume and Blood Pressure. Overlap of Genetic Loci Produced by Bivariate, Whole-Genome Linkage Analyses. Stroke 2010 Aug

2. Lin AL, Gao JH, Duong TQ, Fox PT. Functional neuroimaging: a physiological perspective. Front Neuroenergetics 2010 Jul;2

* 3. Laird AR, Robinson JL, McMillan KM, Tordesillas-Gutiérrez D, Moran ST, Gonzales SM, Ray KL, Franklin C, Glahn DC, Fox PT, Lancaster JL. Comparison of the disparity between Talairach and MNI coordinates in functional neuroimaging data: validation of the Lancaster transform. Neuroimage 2010 Jun;51(2):677-683.

* 4. Rogers B, Zhang W, Narayana S, Lancaster JL, Robin DA, Fox PT. Force sensing system for automated assessment of motor performance during fMRI. J Neurosci Methods 2010 Jun;190(1):92-94.

* 5. Lancaster JL, Cykowski MD, McKay DR, Kochunov PV, Fox PT, Rogers W, Toga AW, Zilles K, Amunts K, Mazziotta J. Anatomical Global Spatial Normalization. Neuroinformatics 2010 Jun

* 6. Karlsgodt KH, Kochunov P, Winkler AM, Laird AR, Almasy L, Duggirala R, Olvera RL, Fox PT, Blangero J, Glahn DC. A multimodal assessment of the genetic control over working memory. J Neurosci 2010 Jun;30(24):8197-8202.

* 7. Kurth F, Zilles K, Fox PT, Laird AR, Eickhoff SB. A link between the systems: functional differentiation and integration within the human insula revealed by meta-analysis. Brain Struct Funct 2010 Jun;214(5-6):519-534.

* 8. Eickhoff SB, Jbabdi S, Caspers S, Laird AR, Fox PT, Zilles K, Behrens TE. Anatomical and functional connectivity of cytoarchitectonic areas within the human parietal operculum. J Neurosci 2010 May;30(18):6409-6421.

9. Wey HY, Li J, Szabó CA, Fox PT, Leland MM, Jones L, Duong TQ. BOLD fMRI of visual and somatosensory-motor stimulations in baboons. Neuroimage 2010 May

10. Lin AL, Fox PT, Hardies J, Duong TQ, Gao JH. Nonlinear coupling between cerebral blood flow, oxygen consumption, and ATP production in human visual cortex. Proc Natl Acad Sci U S A 2010 May;107(18):8446-8451.

* 11. Robinson JL, Laird AR, Glahn DC, Lovallo WR, Fox PT. Metaanalytic connectivity modeling: Delineating the functional connectivity of the human amygdala. Hum Brain Mapp 2010 Feb;31(2):173-184.

* 12. Kochunov P, Coyle T, Lancaster J, Robin DA, Hardies J, Kochunov V, Bartzokis G, Stanley J, Royall D, Schlosser AE, Null M, Fox PT. Processing speed is correlated with cerebral health markers in the frontal lobes as quantified by neuroimaging. Neuroimage 2010 Jan;49(2):1190-1199.

* 13. Glahn DC, Winkler AM, Kochunov P, Almasy L, Duggirala R, Carless MA, Curran JC, Olvera RL, Laird AR, Smith SM, Beckmann CF, Fox PT, Blangero J. Genetic control over the resting brain. Proc Natl Acad Sci U S A 2010 Jan;107(3):1223-1228.

* 14. Kochunov P, Williamson DE, Lancaster J, Fox P, Cornell J, Blangero J, Glahn DC. Fractional anisotropy of water diffusion in cerebral white matter across the lifespan. Neurobiol Aging 2010 Jan

* 15. Kochunov P, Glahn DC, Lancaster JL, Winkler AM, Smith S, Thompson PM, Almasy L, Duggirala R, Fox PT, Blangero J. Genetics of microstructure of cerebral white matter using diffusion tensor imaging. Neuroimage 2010 Jan

* 16. Wey H-Y, Li J, Szabo CA, Fox PT, Leland MM, Jones L, Duong TQ. BOLD fMRI of visual and somatosensory-motor stimulations in baboons.Neuroimage, in press. Complete reference 2010

* 17. Kochunov P, Glahn D, Winkler A, Duggirala R, Olvera RL, Cole S, Dyer TD, Almasy L, Fox PT, Blangero J. Analysis of genetic variability and whole genome linkage of whole-brain, subcortical, and ependymal hyperintense white matter volume. Stroke 2009 Dec;40(12):3685-3690.

* 18. Kochunov P, Glahn DC, Fox PT, Lancaster JL, Saleem K, Shelledy W, Zilles K, Thompson PM, Coulon O, Mangin JF, Blangero J, Rogers J. Genetics of primary cerebral gyrification: Heritability of length, depth and area of primary sulci in an extended pedigree of Papio baboons. Neuroimage 2009 Dec

* 19. Winkler AM, Kochunov P, Blangero J, Almasy L, Zilles K, Fox PT, Duggirala R, Glahn DC. Cortical thickness or grey matter volume? The importance of selecting the phenotype for imaging genetics studies. Neuroimage 2009 Dec

* 20. Laird AR, Eickhoff SB, Li K, Robin DA, Glahn DC, Fox PT. Investigating the functional heterogeneity of the default mode network using coordinate-based meta-analytic modeling. J Neurosci 2009 Nov;29(46):14496-14505.

* 21. Laird AR, Lancaster JL, Fox PT. Lost in localization? The focus is meta-analysis. Neuroimage 2009 Oct;48(1):18-20.

* 22. Lovallo WR, Robinson JL, Glahn DC, Fox PT. Acute effects of hydrocortisone on the human brain: An fMRI study. Psychoneuroendocrinology 2009 Oct;35:15-20.

* 23. Eickhoff SB, Laird AR, Grefkes C, Wang LE, Zilles K, Fox PT.. Coordinate-based activation likelihood estimation meta-analysis of neuroimaging data: a random-effects approach based on empirical estimates of spatial uncertainty Hum Brain Mapp. 2009 Sep;30(9):2907-2926.

* 24. Kochunov P, Robin DA, Royall DR, Coyle T, Lancaster J, Kochunov V, Schlosser AE, Fox PT. Can structural MRI indices of cerebral integrity track cognitive trends in executive control function during normal maturation and adulthood? Hum Brain Mapp 2009 Aug;30(8):2581-2594.

* 25. Peluso MA, Glahn DC, Matsuo K, Monkul ES, Najt P, Zamarripa F, Li J, Lancaster JL, Fox PT, Gao JH, Soares JC. Amygdala hyperactivation in untreated depressed individuals. Psychiatry Res 2009 Aug;173(2):158-161.

* 26. Rabago CA, Lancaster JL, Narayana S, Zhang W, Fox PT. Automated-parameterization of the motor evoked potential and cortical silent period induced by transcranial magnetic stimulation. Clin Neurophysiol 2009 Aug;120(8):1577-1587.

* 27. Smith SM, Fox PT, Miller KL, Glahn DC, Fox PM, Mackay CE, Filippini N, Watkins KE, Toro R, Laird AR, Beckmann CF. Correspondence of the brain‘s functional architecture during activation and rest. Proc Natl Acad Sci U S A 2009 Aug;106(31):13040-13045.

* 28. Laird AR, Eickhoff SB, Kurth F, Fox PM, Uecker AM, Turner JA, Robinson JL, Lancaster JL, Fox PT. ALE Meta-Analysis Workflows Via the Brainmap Database: Progress Towards A Probabilistic Functional Brain Atlas. Front Neuroinformatics 2009 Jul;3:23-23.

* 29. Narayana S, Fox PT, Zhang W, Franklin C, Robin DA, Vogel D, Ramig LO. Neural correlates of efficacy of voice therapy in Parkinsonâ€˜s disease identified by performance-correlation analysis. Hum Brain Mapp 2009 Jul

* 30. Cody JD, Heard PL, Crandall AC, Carter EM, Li J, Hardies LJ, Lancaster J, Perry B, Stratton RF, Sebold C, Schaub RL, Soileau B, Hill A, Hasi M, Fox PT, Hale DE. Narrowing critical regions and determining penetrance for selected 18q- phenotypes. Am J Med Genet A 2009 Jun;149A(7):1421-1430.

* 31. Wright, DL, Robin DA, Rhee J-H, Vaculin A, Jacks A, Guenther FH, Fox PT. Using the Self-Select Paradigm to delineate the nature of speech motor programming. Journal of Speech, Language and Hearing Research 2009 Jun;52(3):755-765.

* 32. Salinas FS, Lancaster JL, Fox PT. 3D modeling of the total electric field induced by transcranial magnetic stimulation using the boundary element method. Phys Med Biol 2009 Jun;54(12):3631-3647.

33. Lee TM, Chan CC, Leung AW, Fox PT, Gao JH. Sex-related differences in neural activity during risk taking: an fMRI study. Cereb Cortex 2009 Jun;19(6):1303-1312.

* 34. Narayana S, Jacks A, Robin DA, Poizner H, Zhang W, Franklin C, Liotti M, Vogel D, Fox PT. A noninvasive imaging approach to understanding speech changes following deep brain stimulation in Parkinson's disease. Am J Speech Lang Pathol 2009 May;18(2):146-161.

* 35. Xiong J, Ma L, Wang B, Narayana S, Duff EP, Egan GF, Fox PT. Long-term motor training induced changes in regional cerebral blood flow in both task and resting states. Neuroimage 2009 Mar;45(1):75-82.

* 36. Acheson A, Robinson JL, Glahn DC, Lovallo WR, Fox PT. Differential activation of the anterior cingulate cortex and caudate nucleus during a gambling simulation in persons with a family history of alcoholism: studies from the Oklahoma Family Health Patterns Project. Drug Alcohol Depend 2009 Feb;100(1-2):17-23.

* 37. Price LR, Laird AR, Fox PT; Ingram, RJ. Modeling Dynamic Functional Neuroimaging Data Using Structural Equation Modeling. Structural Equation Modeling 2009 Jan;16(1):147-162.

38. Lin AL, Fox PT, Yang Y, Lu H, Tan LH, Gao JH, Lin A. Time-dependent correlation of cerebral blood flow with oxygen metabolism in activated human visual cortex as measured by fMRI. Neuroimage 2009 Jan;44(1):16-22.

* 39. Petri M, Naqibuddin M, Carson KA, Wallace DJ, Weisman MH, Holliday SL, Sampedro M, Narayana S, Fox PT, Franklin C, Padilla PA, Brey RL. Brain magnetic resonance imaging in newly diagnosed systemic lupus erythematosus. J Rheumatol 2008 Dec;35(12):2348-2354.

* 40. Xiong J, Ma L, Wang B, Narayana S, Duff EP, Egan GF, Fox PT. Long-term motor training induced changes in regional cerebral blood flow in both task and resting states. Neuroimage 2008 Dec

* 41. GLAHN DC, Laird AR, Ellison-Wright I, Thelen SM, Robinson JL, Lancaster JL, Bullmore E, Fox PT. Meta-Analysis of Gray Matter Anomalies in Schizophrenia: Application of anatomic likelihood estimation and network analysis. Biol Psychiatry 2008 Nov;64(9):774-781.

* 42. Szabó CA, Narayana S, Franklin C, Knape KD, Davis MD, Fox PT, Leland MM, Williams JT. "Resting" CBF in the epileptic baboon: correlation with ketamine dose and interictal epileptic discharges. Epilepsy Res 2008 Nov;82(1):57-63.

43. Robinson JL, Monkul ES, Tordesillas-Gutiérrez D, Franklin C, Bearden CE, Fox PT, Glahn DC. Fronto-limbic circuitry in euthymic bipolar disorder: evidence for prefrontal hyperactivation. Psychiatry Res 2008 Nov;164(2):106-113.

44. Lee, T., Chan, C., Gao, J., Fox PT. Sex-related differences in neural activities during risk taking: An fMRI study Cerebral Cortex 2008 Sep

* 45. Cykowski MD, Coulon O, Kochunov P, Amunts K, Lancaster JL, Laird AR, GLAHN DC, Fox PT. The Central Sulcus: An observer-independent characterization of sulcal landmarks and depth asymmetry. Cereb Cortex 2008 Sep;18(9):1999-2009.

* 46. Lee K, Fox PT, Lancaster JL, Jerabek PA. A positron-probe system for arterial input function quantification for positron emission tomography in humans Rev Sci Instrum 2008 Jul;27(7):573-581.

47. Lee TM, Fox PT, Chan CC, Han SH, Leung AW, Gao JH. An event-related fMRI study on risk taking by healthy individuals of high or low impulsiveness. Neurosci Lett 2008 Jun;438(2):138-141.

* 48. Laird AR, Cykowski MD, Narayana S, Fox PT, Robbins JM, Price LR, Li K, Laird RW, Franklin C. Modeling motor connectivity using TMS/PET and structural equation modeling. Neuroimage 2008 Jun;41(2):424-436.

49. Duff EP, Johnston LA, Fox PT, Xiong J, Mareels I, Egan GF. The power of spectral density analysis for mapping endogenous BOLD signal fluctuations. Hum Brain Mapp. 2008 May;29(7):778-790.

* 50. Cykowski MD, Kochunov PV, Ingham RJ, Ingham JC, Mangin JF, Riviï¿½re D, Lancaster JL, Fox PT. Perisylvian sulcal morphology and cerebral asymmetry patterns in adults who stutter. Cereb Cortex 2008 Mar;18(3):571-583.

51. Toro R, Paus T, Fox PT. Functional Coactivation Map of the Human Brain. Cereb Cortex 2008 Feb

* 52. Lee, K; Fox, PT; Lee,SH; Lancaster JL; Jerabek, PA and Davis, MD. A positron-probe for arterial input function quantification: implementation and H215O PET validation J. IEEE 2008 Jan:1-6.

* 53. Lancaster JL, Tordesillas-Gutiérrez D, Martinez M, Salinas F, Evans A, Zilles K, Mazziotta JC, Fox PT. Bias between MNI and Talairach coordinates analyzed using

the ICBM-152 brain template. Hum Brain Mapp 2007 Nov;28(11):1194-1205.

* 54. Pu Y, Mahankali S, Hou J, Li J, Lancaster JL, Gao JH, Appelbaum DE, Fox PT. High prevalence of pineal cysts in healthy adults demonstrated by high-resolution, noncontrast brain MR imaging. AJNR Am J Neuroradiol 2007 Oct;28(9):1706-1709.

* 55. Rogers J, Kochunov P, Lancaster J, Shelledy W, Glahn D, Blangero J, Fox P. Heritability of brain volume, surface area and shape: an MRI study in an extended pedigree of baboons. Hum Brain Mapp 2007 Jun;28(6):576-583.

* 56. Cody JD, Sebold C, Malik A, Heard P, Carter E, Crandall A, Soileau B, Semrud-Clikeman M, Cody CM, Hardies LJ, Li J, Lancaster J, Fox PT, Stratton RF, Perry B, Hale DE. Recurrent interstitial deletions of proximal 18q: a new syndrome involving expressive speech delay. Am J Med Genet A 2007 Jun;143(11):1181-1190.

* 57. Salinas FS, Lancaster JL, Fox PT. Detailed 3D models of the induced electric field of transcranial magnetic stimulation coils. Phys Med Biol 2007 May;52(10):2879-2892.

* 58. Kochunov P, Thompson PM, Lancaster JL, Bartzokis G, Smith S, Coyle T, Royall DR, Laird A, Fox PT, Fox, PT. Relationship between white matter fractional anisotropy and other indices of cerebral health in normal aging: Tract-based spatial statistics study of aging. Neuroimage 2007 Apr;35(2):478-487.

* 59. Glahn DC, Lovallo WR, Fox PT, Fox, PT. Reduced Amygdala Activation in Young Adults at High Risk of Alcoholism: Studies from the Oklahoma Family Health Patterns Project. Biol Psychiatry 2007 Feb

* 60. Szabó CA, Narayana S, Kochunov PV, Franklin C, Knape K, Davis MD, Fox PT, Leland MM, Williams JT, Fox, PT. PET imaging in the photosensitive baboon: case-controlled study. Epilepsia 2007 Feb;48(2):245-253.

* 61. Kochunov P, Thompson PM, Coyle TR, Lancaster JL, Kochunov V, Royall D, Mangin JF, Riviï¿½re D, Fox PT, Fox, PT. Relationship among neuroimaging indices of cerebral health during normal aging. Hum Brain Mapp 2007 Feb

* 62. Zhao X, Li G, Glahn DC, Fox PT, Gao JH, Fox, PT. Derivative temporal clustering analysis: detecting prolonged neuronal activity. Magn Reson Imaging 2007 Feb;25(2):183-187.

* 63. Matsuo K, Glahn DC, Peluso MA, Hatch JP, Monkul ES, Najt P, Sanches M, Zamarripa F, Li J, Lancaster JL, Fox PT, Gao JH, Soares JC. Prefrontal hyperactivation during working memory task in untreated individuals with major depressive disorder. Mol Psychiatry 2007 Feb;12(2):158-166.

64. Duff E, Xiong J, Wang B, Cunnington R, Fox, PT, Egan G. Complex spatio-temporal dynamics of fMRI BOLD: A study of motor learning Neuroimage 2007 Jan;34(10):156-168.

* 65. Coyle TR, Kochunov P, Patel RD, Nery FG, Lancaster JL, Mangin JF, Riviï¿½re D, Pillow DR, Davis GJ, Nicoletti MA, Serap Monkul E, Fox PT, Soares JC, Fox, PT. Cortical sulci and bipolar disorder. Neuroreport 2006 Nov;17(16):1739-1742.

* 66. Szabo CA, Lancaster JL, Lee S, Xiong JH, Cook C, Mayes BN, Fox, PT. MRI Volumetry of Subcortical Structures and Cerebellar Hemispheres in Temporal Lobe Epilepsy AJNR Am J Neuroradiol 2006 Nov;27(10):2155-2160.

67. Szabó CA, Lancaster JL, Lee S, Xiong JH, Cook C, Mayes BN, Fox PT. MR imaging volumetry of subcortical structures and cerebellar hemispheres in temporal lobe epilepsy. AJNR Am J Neuroradiol 2006 Nov;27(10):2155-2160.

* 68. Yee SH, Lee K, Jerabek PA, Fox PT, Fox, PT. Quantitative measurement of oxygen metabolic rate in the rat brain using microPET imaging of briefly inhaled 15O-labelled oxygen gas. Nucl Med Commun 2006 Jul;27(7):573-581.

* 69. Fox PT, Narayana S, Tandon N, Fox SP, Sandoval H, Kochunov P, Capaday C, Lancaster JL, Fox, PT. Intensity modulation of TMS-induced cortical excitation: primary motor cortex. Hum Brain Mapp 2006 Jun;27(6):478-487.

70. Hasnain MK, Fox PT, Woldorff MG, Fox, PT. Hemispheric asymmetry of sulcus-function correspondence: quantization and developmental implications. Hum Brain Mapp 2006 Apr;27(4):277-287.

71. Lee TM, Zhang JX, Chan CC, Yuen KS, Chu LW, Cheung RT, Chan YS, Fox PT, Gao JH, Fox, PT. Age-related differences in response regulation as revealed by functional MRI. Brain Res 2006 Mar;1076(1):171-176.

72. Li G, Cheung RT, Gao JH, Lee TM, Tan LH, Fox PT, Jack CR, Yang ES, Fox, PT. Cognitive processing in Chinese literate and illiterate subjects: an fMRI study. Hum Brain Mapp 2006 Feb;27(2):144-152.

73. Lee TM, Liu HL, Chan CC, Ng YB, Fox, PT, Gao J. Neural correlates of feigned memory impairment Neuroimage 2005 Nov;28(2):305-313.

* 74. Yee S, Jerabek PA, Fox, PT. Non-invasive quantification of cerebral blood flow for rats by microPET imaging of 15O labelled water: the application of a cardiac time-activity curve for the tracer arterial input function. Nucl Med Commun 2005 Oct;26(10):903-911.

* 75. Cody JD, Semrud-Clikeman M, Hardies LJ, Lancaster J, Ghidoni PD, Schaub RL, Thompson NM, Wells L, Love TM, Cornell JE, Fox PT, Leach RJ, Kaye CI, Hale DE. Growth hormone benefits children with 18q deletions. Am J Med Gent A. 2005 Aug;137A(1):9-15.

* 76. Andrews T, Lancaster JL, Dodd SJ, Contreras-Sesvold C, Fox PT. Testing the three-pool white matter model adapted for use with T2 relaxometry. Magn Reson Med 2005 Aug;54(2):449-454.

* 77. Lancaster JL, Laird AR, Laird P, Fox PM, Glahn DC, Fox, PT. Automated Analysis of Meta-Analysis Networks Hum Brain Mapp 2005 May;25(1):174-184.

* 78. Li, HT, Laird AR, Li, K, Fox, PT. Neuroanatomical Correlates of Phonological Processing of Chinese Characters and Alphabetic Words: A Meta-Analysis Hum Brain Mapp 2005 May;25(1):83-91.

* 79. Brown S, Ingham RJ, Ingham JC, Laird AR, Fox, PT. Stuttered and Fluent Speech Production: An ALE Meta-Anaysis of Functional Neuroimaging Studies Hum Brain Mapp 2005 May;25(1):105-117.

* 80. Max JE, Manes FF, Robertson BA, Matthews KL, Fox, PT, Lancaster JL. Prefrontal and executive attention network lesions and the development of attention-deficit/hyperactivity symptomatology. J Am Acad Child Adolesc Psychiatry 2005 May;44(5):443-450.

* 81. Fox PT, Laird AR, Fox SB, Fox PM, Uecker AM, Crank M, Koenig SF, Lancaster JL. Coordinate-based voxel-wise meta-analysis: dividends of spatial normalization. Report of a virtual workshop. Hum Brain Mapp 2005 May;25(1):1-5.

* 82. Petacchi A, Laird AR, Fox PT, Bower JM. Cerebellum and auditory function: an ALE meta-analysis of functional neuroimaging studies. Hum Brain Mapp 2005 May;25(1):118-128.

* 83. Fox PT, Laird AR, Fox SP, Fox PM, Uecker AM, Crank M, Koenig SF, Lancaster JL. BrainMap taxonomy of experimental design: description and evaluation. Hum Brain Mapp 2005 May;25(1):185-198.

* 84. Lancaster JL, Laird AR, Fox PM, Glahn DE, Fox PT. Automated analysis of meta-analysis networks. Hum Brain Mapp 2005 May;25(1):174-184.

85. Egan GF, Johnson J, Farrell M, McAllen R, Zamarripa F, McKinley MJ, Lancaster J, Denton D, Fox PT, Fox, PT. Cortical, thalamic, and hypothalamic responses to cooling and warming the skin in awake humans: a positron-emission tomography study. Proc Natl Acad Sci U S A 2005 Apr;102(14):5262-5267.

86. Parsons LM, Sergent J, Hodges DA, Fox PT. The brain basis of piano performance Neuropsychologia 2005;43:199-215.

* 87. Lancaster JL, Cody JD, Andrews T, Hardies LJ, Hale DE, Fox PT. Myelination in children with partial deletions of chromosome 18q. Am J Neuroradiol 2005;26(3):447-454.

* 88. Johnson, BA, Dawes MA, Roache JD, Wells LT, Ait-Daoud N, Mauldin JB, Wang Y, Lancaster JL, Fox, PT. Acute intravenous low- and high-dose cocaine administration reduces global and regional cerebral blood flow in recently abstinent cocaine use disorder subjects Journal of Cerebral Blood Flow & Metabolism 2005;25(7):928-936.

* 89. Andrews TA, Lancaster JL, Dodd SJ, Contreras-Sesvold C, Fox, PT. Testing the three-pool white matter model adapted for use with T2 relaxometry Magnetic Resonance in Medicine 2005;54:449-454.

* 90. Laird AR, Lancaster JL, Fox, PT. BrainMap: The social evolution of a human brain mapping database. Neuroinformatics 2005;25(3):65-78.

* 91. Kochunov P, Lancaster JL, Hardies LJ, Thompson PM, Woods RP, Cody JD, Hale DE, Laird AR, Fox, PT. Mapping structural differences of the corpus callosum in individuals with 18q deletions using targetless regional spatial normalization. Hum Brain Mapp 2005;24(4):325-331.

* 92. Max JE, Robin DA, Taylor HG, Yeates KO, Fox PT, Lancaster JL, Manes FF, Mathews K, Austermann S. Attention function after childhood stroke. J Int Neuropsychol Soc 2004 Nov;10(7):976-986.

93. Lansing AE, Max JE, Delis DC, Fox PT, Lancaster J, Manes FF, Schatz A, Fox, PT. Verbal learning and memory after childhood stroke. J Int Neuropsychol Soc 2004 Sep;10(5):742-752.

* 94. Lancaster JL, Narayana S, Wenzel D, Luckemeyer J, Roby J, Fox P. Evaluation of an image-guided, robotically positioned transcranial magnetic stimulation system. Hum Brain Mapping 2004 Aug;22(4):329-340.

95. Brown S, Martinez MJ, Hodges DA, Fox PT, Parsons LM. The song system of the human brain. Cognitive Brain Research 2004 Aug;20(3):363-375.

96. Chan AH, Liu HL, Yip V, Fox PT, Gao J, Tan LH. Neural systems for word meaning modulated by semantic ambiguity. NeuroImage 2004 Jul;22(3):1128-1133.

* 97. Feng CM, Narayana S, Lancaster JL, Jerabek PA, Arnow TL, Zhu F, Tan LH, Fox PT, Gao JH. CBF changes during brain activation: fMRI vs. PET. Neuroimage 2004 May;22(1):443-446.

* 98. Fox PT, Narayana S, Tandon N, Sandoval H, Fox SP, Kochunov P, Lancaster JL. Column-based model of electric field excitation of cerebral cortex Hum Brain Mapp 2004 May;22(1):1-14.

99. Fox PT, Narayana S, Tandon N, Sandoval H, Fox SP, Kochunov P, Lancaster JL. Column-based model of electric field excitation of cerebral cortex. Hum Brain Mapp 2004 May;22(1):1-14.

* 100. Ingham RJ, Fox PT, Ingham JC, Xiong J, Zamarripa F, Hardies LJ, Lancaster JL. Brain correlates of stuttering and syllable production: gender comparison and replication. J Speech Lang Hear Res 2004 Apr;47(2):321-341.

101. Spinks JA, Zhang JX, Fox PT, Gao J, Tan HL. More workload on the central executive of working memory, less attention capture by novel visual distractors: evidence from an fMRI study. Neuroimage 2004;23(2):517-524.

* 102. Egan G, Silk T, Zamarripa F, Williams J, Federico P, Cunnington R, Carabott L, Blair-West J, Shade R, McKinley M, Farrell M, Lancaster JL, Jackson G, Fox, PT, Denton D. Neural correlates of the emergence of consciousness of thirst Proc Natl Acad Sci U S A 2003 Dec;100(25):15241-15246.

* 103. Kerrison JB, Lancaster JL, Zamarripa FE, Richardson LA, Morrison JC, Holck DE, Andreason KW, Blaydon SM, Fox PT. Positron emission tomography scanning in essential blepharospasm. Am J Ophthalmol 2003 Nov;136(5):846-852.

104. Xiong J, Fox PT, Gao J. Directly mapping magnetic field effects of neuronal activity by magnetic resonance imaging. Hum Brain Mapp 2003 Sep;20(1):41-49.

* 105. Max JE, Mathews K, Manes FF, Robertson BA, Fox PT, Lancaster JL, Lansing AE, Schatz A, Collings N. Attention deficit hyperactivity disorder and neurocognitive correlates after childhood stroke. J Int Neuropsychol Soc 2003 Sep;9(6):815-829.

* 106. Sung-Lee J, Narayana S, Lancaster JL, Jerabek PA, Lee DS, Fox PT. Positron emission tomography during transcranial magnetic stimulation does not require mu-metal shielding. NeuroImage 2003 Aug;19(4):1812-1819.

* 107. Nickerson LD, Narayana S, Lancaster JL, Fox PT, Gao JH. Estimation of the local statistical noise in positron emission tomography revisited: practical implementation. Neuroimage 2003 Jun;19(2 Pt):442-456.

* 108. Lancaster JL, Kochunov PV, Thompson PM, Toga AW, Fox PT. Asymmetry of the brain surface from deformation field analysis. Hum Brain Mapp 2003 Jun;19(2):79-89.

* 109. Kochunov P, Fox PT, Lancaster JL, Tan LH, Amunts K, Zilles K, Mazziotta J, Gao J. Localized morphological brain differences between English-speaking Caucasians and Chinese-speaking Asians: new evidence of anatomical plasticity. Neuroreport 2003 May;14(7):961-964.

* 110. Szabó CA, Lancaster JL, Xiong J, Cook C, Fox P. MR imaging volumetry of subcortical structures and cerebellar hemispheres in normal persons AJNR Am J Neuroradiol 2003 Apr;24(4):644-647.

111. He AG, Tan LH, Tang Y, James GA, Wright P, Eckert MA, Fox PT, Liu Y. Modulation of neural connectivity during tongue movement and reading. Hum Brain Mapp 2003 Mar;18(3):222-232.

112. Tan LH, Spinks JA, Feng CM, Siok WT, Perfetti CA, Xiong J, Fox PT, Gao JH. Neural systems of second language reading are shaped by native language. Human Brain Mapping 2003 Mar;18(3):158-166.

113. Feng CM, Liu HL, Fox PT, Gao JH. Dynamic changes in the cerebral metabolic rate of O2 and oxygen extraction ratio in event-related functional MRI. Neuroimage 2003 Feb;18(2):257-262.

114. Liotti M, Ramig LO, Vogel D, New P, Cook CI, Ingham RJ, Ingham JC, Fox PT. Hypophonia in Parkinson‘s disease: neural correlates of voice treatment revealed by PET. Neurology 2003 Feb;60(3):432-440.

* 115. Kochunov P, Hasnain M, Lancaster J, Grabowski T, Fox P. Improvement in variability of the horizontal meridian of the primary visual area following high-resolution spatial normalization. Hum Brain Mapp 2003 Feb;18(2):123-134.

* 116. Lancaster JL, Andrews T, Hardies LJ, Dodd S, Fox PT. Three-pool model of white matter. J Magn Reson Imaging 2003 Jan;17(1):1-10.

117. Gao J, Fox PT, Tan L. Introduction: Functional brain imaging of language. Human Brain Mapping 2003;18:147-148.

* 118. Tandon N, Narayana S, Lancaster JL, Brown S, Dodd S, Vollmer DG, Ingham R, Ingham J, Liotti M, Fox PT. Resident Award: role of the lateral premotor cortex in articulation. Clin. Neurosurg 2003;50:341-349.

119. Fox PT. Brain imaging in stuttering: where next?. Journal of Fluency Disorders 2003;28(4):265-272.

120. Ingham RJ, Ingham JC, Finn P, Fox PT. Towards a functional neural systems model of developmental stuttering. Journal of Fluency Disorder 2003;28(4):297-317.

121. Fox, PT, Ingham RJ, ingham JC. Functional Imaging of Speech and Speech Disorders ASHA SID2 Newsletter 2003;13(2):10-14.

122. Gardner DD, Toga AW, Asscoli GA, Beatty JT, Brinkley JF, Dale AM, Fox, PT. Towards effective and rewarding data sharing Neuroinformatics 2003;1(3):289-295.

123. Ingham RJ, Fox PT, Finn P, Ingham JC. Towards a functional neural systems model of developmental stuttering. Journal of Fluency Disorders 2003;28:297-318.

124. Ingham RJ, Fox PT, Ingham JC. Functional imaging of speech and speech disorders. SID2 Newsletter 2003;13(2):10-14.

* 125. Ingham RJ, Narayana S, Fox PT, Brown S, Lancaster JL, Dodd, Vollmer DG, Liotti M, Tandon N, Ingham JC. Role of the lateral premotor cortex in articulation. Clinical Neurosurgery 2003;50:341-349.

126. Tandon N, Narayana S, Lancaster JL, Brown S, Dodd S, Vollmer DG, Ingham R, Ingham J, Liotti M, Fox PT. CNS Resident Award: role of the lateral premotor cortex in articulation. Clin Neurosurg 2003 Jan;50:341-349.

* 127. Woldorff MG, Liotti M, Seabolt M, Busse L, Lancaster JL, Fox PT. The temporal dynamics of the effects in occipital cortex of visual-spatial selective attention. Brain Res Cogn Brain Res 2002 Dec;15(1):1-15.

128. Lee TM, Liu HL, Hoosain R, Liao WT, Wu CT, Yuen KS, Chan CC, Fox PT, Gao J. Gender differences in neural correlates of recognition of happy and sad faces in humans assessed by functional magnetic resonance imaging. Neurosci Lett 2002 Nov;333(1):13-16.

* 129. Kochunov P, Lancaster JL, Thompson P, Toga AW, Brewer PA, Hardies LJ, Fox PT. An optimized individual target brain in the Talairach coordinate system. NeuroImage 2002 Oct;17(2):922-927.

* 130. Max JE, Fox PT, Lancaster JL, Kochunov P, Mathews K, Manes FF, Robertson BA, Arndt S, Robin DA, Lansing AE. Putamen lesions and the development of attention-deficit/hyperactivity symptomatology. J Am Acad Child Adolesc Psychiatry 2002 May;41(5):563-571.

* 131. Max JE, Mathews K, Lansing AE, Robertson BA, Fox PT, Lancaster JL, Manes FF, Smith J. Psychiatric disorders after childhood stroke J Am Acad Child Adolesc Psychiatry 2002 May;41(5):555-562.

* 132. Max JE, Mathews K, Lansing AE, Robertson BA, Fox PT, Lancaster JL, Manes FF, Smith J. Psychiatric disorders after childhood stroke. J Am Acad Child Adolesc Psychiatry 2002 May;41(5):555-562.

* 133. Fox PT, Lancaster JL. Opinion: Mapping context and content: the BrainMap model Nat Rev Neurosci 2002 Apr;3(4):319-321.

134. Fox PT, Lancaster JL. Opinion: Mapping context and content: the BrainMap model. Nat Rev Neurosci 2002 Apr;3(4):319-321.

135. Lee TM, Liu HL, Tan LH, Chan CC, Mahankali S, Feng CM, Hou J, Fox PT, Gao J. Lie detection by functional magnetic resonance imaging. Human Brain Mapping 2002 Mar;15(3):157-164.

136. Lee TM, Liu HL, Feng CM, Hou J, Mahankali S, Fox PT, Gao JH. Neural correlates of response inhibition for behavioral regulation in humans assessed by functional magnetic resonance imaging. Neurosci Lett 2001 Aug;309(2):109-112.

137. Hasnain MK, Fox PT, Woldorff MG. Structure--function spatial covariance in the human visual cortex. Cereb Cortex 2001 Aug;11(8):702-716.

* 138. Szabo CA, Xiong J, Lancaster JL, Rainey L, Fox P. Amygdalar and Hippocampal Volumetry in Control Participants: Differences Regarding Handedness. AJNR Am J Neuroradiol 2001 Aug;22(7):1342-1345.

* 139. Nickerson LD, Martin CC, Lancaster JL, Gao J, Fox PT. A tool for comparison of PET and fMRI methods: calculation of the uncertainty in the location of an activation site in a PET image. Neuroimage 2001 Jul;14(1 Pt):194-201.

140. Pu Y, Liu HL, Spinks JA, Mahankali S, Xiong J, Feng CM, Tan LH, Fox PT, Gao JH. Cerebral hemodynamic response in Chinese (first) and English (second) language processing revealed by event-related functional MRI. Magn Reson Imaging 2001 Jun;19(5):643-647.

141. Tan LH, Liu HL, Perfetti CA, Spinks JA, Fox PT, Gao J. The neural system underlying Chinese logograph reading. Neuroimage 2001 May;13(5):836-846.

* 142. Liu HL, Kochunov P, Hou J, Pu Y, Mahankali S, Feng CM, Yee SH, Wan YL, Fox PT, Gao J. Perfusion-weighted imaging of interictal hypoperfusion in temporal lobe epilepsy using FAIR-HASTE: comparison with H(2)(15)O PET measurements. Magnetic Resonance in Medicine 2001 Mar;45(3):431-435.

143. Parsons LM, Egan G, Liotti M, Brannan S, Denton D, Shade R, Robillard R, Madden L, Abplanalp B, Fox PT. Neuroimaging evidence implicating cerebellum in the experience of hypercapnia and hunger for air. Proc Natl Acad Sci U S A 2001 Feb;98(4):2041-2046.

* 144. Liotti M, Brannan S, Egan G, Shade R, Madden L, Abplanalp B, Robillard R, Lancaster J, Zamarripa FE, Fox PT, Denton D. Brain responses associated with consciousness of breathlessness (air hunger) Proc Natl Acad Sci U S A 2001 Feb;98(4):2035-2040.

145. Brannan S, Liotti M, Egan G, Shade R, Madden L, Robillard R, Abplanalp B, Stofer K, Denton D, Fox PT. Neuroimaging of cerebral activations and deactivations associated with hypercapnia and hunger for air. Proc Natl Acad Sci U S A 2001 Feb;98(4):2029-2034.

* 146. Liu HL, Kochunov P, Lancaster JL, Fox PT, Gao JH. Comparison of navigator echo and centroid corrections of image displacement induced by static magnetic field drift on echo planar functional MRI J Magn Reson Imaging 2001 Feb;13(2):308-312.

147. Feng CM, Liu HL, Fox PT, Gao JH. Comparison of the experimental BOLD signal change in event-related fMRI with the balloon model. NMR Biomed 2001;14(7-8):397-401.

148. Ozus B, Liu HL, Chen L, Iyer MB, Fox PT, Gao J. Rate dependence of human visual cortical response due to brief stimulation: an event-related fMRI study. Magnetic Resonance Imaging 2001 Jan;19(1):21-25.

149. Tan LH, Feng CM, Fox PT, Gao JH. An fMRI study with written Chinese. Neuroreport 2001 Jan;12(1):83-88.

* 150. Fox PT, Huang A, Parsons LM, Xiong JH, Zamarippa F, Rainey L, Lancaster JL. Location-probability profiles for the mouth region of human primary motor-sensory cortex: model and validation Neuroimage 2001 Jan;13(1):196-209.

151. Mazziotta J, Toga A, Evans A, Fox PT. A Four-Dimensional Probabilistic Atlas of the Human Brain JAMIA 2001;8:401-430.

* 152. John Mazziotta, Arthur Toga, Alan Evans, Peter Fox, Jack Lancaster, Karl Zilles, Roger Woods, Tomas Paus, Gregory Simpson, Bruce Pike, Colin Holmes, Louis Collins, Paul Thompson, David MacDonald, Marco Iacoboni, Thorsten Schormann, Katrin Amunts, Nicola Palomero-Gallagher, Stefan Geyer, Larry Parsons, Katherine Narr, Noor Kabani, Georges Le Goualher, Dorret Boomsma, Tyrone Cannon, Ryuta Kawashima, and Bernard Mazoyer. A probabilistic atlas and reference system for the human brain: International Consortium for Brain Mapping (ICBM) Philosophical Transactions of the Royal Society of London 2001 Jan;356(1412):1293-1322.

* 153. Kochunov P, Liu HL, Andrews T, Gao J, Fox PT, Lancaster JL. A B(0) shift correction method based on edge RMS reduction for EPI fMRI. J Magnetic Resonance Imaging 2000 Dec;12(6):956-959.

154. Ingham RJ, Fox PT, Costello Ingham J, Zamarripa F. Is overt stuttered speech a prerequisite for the neural activations associated with chronic developmental stuttering? Brain Lang 2000 Nov;75(2):163-194.

* 155. Kochunov P, Lancaster J, Thompson P, Boyer A, Hardies J, Fox P. Evaluation of octree regional spatial normalization method for regional anatomical matching. Hum Brain Mapp 2000 Nov;11(3):193-206.

* 156. Fox PT, Ingham RJ, Ingham JC, Zamarripa F, Xiong JH, Lancaster JL. Brain correlates of stuttering and syllable production. A PET performance-correlation analysis Brain 2000 Oct;123 (:1985-2004.

157. Fox PT, Ingham RJ, Ingham JC, Zamarripa F, Xiong JH, Lancaster JL. Brain correlates of stuttering and syllable production. A PET performance-correlation analysis. Brain 2000 Oct;123 (:1985-2004.

* 158. Xiong J, Rao S, Jerabek PA, Zamarripa F, Woldorff M, Lancaster JL, Fox PT. Inter-subject variability in cortical activations during a complex language task NeuroImage 2000 Sep;12(3):326-339.

159. Pu Y, Liu Y, Hou J, Fox PT, Gao JH. Demonstration of the medullary lamellae of the

human red nucleus with high-resolution gradient-echo MR imaging. AJNR Am J Neuroradiol 2000 Aug;21(7):1243-1247.

160. Yee SH, Liu HL, Hou J, Pu Y, Fox PT, Gao JH. Detection of the brain response during a cognitive task using perfusion-based event-related functional MRI. Neuroreport 2000 Aug;11(11):2533-2536.

* 161. Liu Y, Pu Y, Gao J, Parsons LM, Xiong J, Liotti M, Bower J, Fox PT. The human red nucleus and lateral cerebellum in supporting roles for sensory information processing. Human Brain Mapping 2000 Aug;10(4):147-159.

* 162. Liotti M, Mayberg HS, Brannan SK, McGinnis S, Jerabek P, Fox PT. Differential limbic--cortical correlates of sadness and anxiety in healthy subjects: implications for affective disorders. Biol Psychiatry 2000 Jul;48(1):30-42.

* 163. Lancaster JL, Woldorff MG, Parsons LM, Liotti M, Freitas CS, Rainey L, Kochunov PV, Nickerson D, Mikiten SA, Fox PT. Automated Talairach atlas labels for functional brain mapping. Hum Brain Mapp 2000 Jul;10(3):120-131.

164. Liu Y, Gao J, Liu HL, Fox PT. The temporal response of the brain after eating revealed by functional MRI. Nature 2000 Jun;405(6790):1058-1062.

165. Tan LH, Spinks JA, Gao JH, Liu HL, Perfetti CA, Xiong J, Stofer KA, Pu Y, Liu Y, Fox PT. Brain activation in the processing of Chinese characters and words: a functional MRI study. Hum Brain Mapp 2000 May;10(1):16-27.

166. Liu HL, Pu Y, Nickerson LD, Liu Y, Fox PT, Gao JH. Comparison of the temporal response in perfusion and BOLD-based event-related functional MRI. Magn Reson Med 2000 May;43(5):768-772.

167. Roby JW, Gao J, Fox PT. A versatile, low-cost method for presenting visual stimuli during MRI. J Magn Reson Imaging 2000 Feb;11(2):223-227.

* 168. Parsons LM, Denton D, Egan G, McKinley M, Shade R, Lancaster J, Fox PT. Neuroimaging evidence implicating cerebellum in support of sensory/cognitive processes associated with thirst. Proc Natl Acad Sci U S A 2000 Feb;97(5):2332-2336.

169. Pu Y, Li QF, Zeng CM, Gao J, Qi J, Luo DX, Mahankali S, Fox PT, Gao JH. Increased detectability of alpha brain glutamate/glutamine in neonatal hypoxic-ischemic encephalopathy. AJNR Am J Neuroradiol 2000 Jan;21(1):203-212.

170. Mahankali S, Liu Y, Pu Y, Wang J, Chen CW, Fox PT, Gao J. In vivo fMRI demonstration of hypothalamic function following intraperitoneal glucose administration in a rat model. Magn Reson Med 2000 Jan;43(1):155-159.

171. Previc FH, Liotti M, Blakemore C, Beer J, Fox PT. Functional Imaging of Brain Areas Involved in the processing of coherent and incoherent wide field-of-view visual motion. Exp Brain Res 2000;131(4):393-405.

172. Tatlidil R, Xiong J, New PZ, West A, Fox PT. Language mapping in pretreatment planning of patients with cerebral arteriovenous malformation: A PET study Clinical Nuclear Medicine 2000;25(8):591-595.

173. Yee S, Liu H-L, Hou J, Pu Y, Fox PT, Gao J. Detection of the brain response during a cognitive task using perfusion-based event-related functional MRI NeuroReport 2000;11:2533-2536.

174. Previc FH, Beer J, Liotti M, Blakemore C, Fox PT. Is "ambient vision" distributed in the brain? Effects of wide-field-view visual yaw motion on PET activation Journal of Vestibular Research 2000;10(4-5):221-225.

175. Ingham RJ, Fox PT, Ingham JC, Zamarippa F. Is overt stuttered speech a prerequisite for the neural activations associated with chronic developmental stuttering? Brain and Language 2000;75:163-194.

* 176. Kochunov PV, Lancaster JL, Fox PT. Accurate high-speed spatial normalization using an octree method. Neuroimage 1999 Dec;10(6):724-737.

177. Matsuda M, Liu Y, Mahankali S, Pu Y, Mahankali A, Wang J, DeFronzo RA, Fox PT, Gao JH. Altered hypothalamic function in response to glucose ingestion in obese humans. Diabetes 1999 Sep;48(9):1801-1806.

178. Liu Y, Gao J, Liotti M, Pu Y, Fox PT. Temporal dissociation of parallel processing in the human subcortical outputs. Nature 1999 Jul;400(6742):364-367.

179. Liu HL, Pu Y, Liu Y, Nickerson L, Andrews T, Fox PT, Gao JH. Cerebral blood flow measurement by dynamic contrast MRI using singular value decomposition with an adaptive threshold. Magn Reson Med 1999 Jul;42(1):167-172.

* 180. Lancaster JL, Fox PT, Downs H, Nickerson DS, Hander TA, El Mallah M, Kochunov PV, Zamarripa F. Global spatial normalization of human brain using convex hulls. J Nucl Med 1999 Jun;40(6):942-955.

* 181. Mayberg HS, Liotti M, Brannan SK, McGinnis S, Mahurin RK, Jerabek PA, Silva JA, Tekell JL, Martin CC, Lancaster JL, Fox PT. Reciprocal limbic-cortical function and negative mood: converging PET findings in depression and normal sadness Am J Psychiatry 1999 May;156(5):675-682.

* 182. Denton D, Shade R, Zamarippa F, Egan G, Blair-West J, McKinley M, Lancaster JL, Fox PT. Neuroimaging of genesis and satiation of thirst and an interoceptor-driven theory of origins of primary consciousness PNAS 1999 Apr;96(9):5304-5309.

183. Liu Y, Pu Y, Fox PT, Gao J. Quantification of dynamic changes in cerebral venous oxygenation with MR phase imaging at 1.9 T. Magnetic Resonance in Medicine 1999 Feb;41(2):407-411.

184. Xiong J, Parsons LM, Gao J, Fox PT. Interregional connectivity to primary motor cortex revealed using MRI resting state images. Human Brain Mapping 1999;8(2-3):151-156.

* 185. Martin CC, Jerabek PA, Nickerson LD, Fox PT. The effect of partition coefficient, permeability surface product, and radioisotope on the signal-to-noise ratio in PET functional brain mapping: a computer simulation. Hum Brain Mapp 1999;7(3):151-160.

186. Xiong J, Fox PT, Gao J. The effects of k-space data undersampling and discontinuities in keyhole functional MRI. Magnetic Resonce Imaging 1999 Jan;17(1):109-119.

187. Denton D, Shade R, Zimarippa F, Egan G, Blair-West J, McKinlet M, Fox PT. Correlation of regional cerebral blood flow and change of plasma sodium concentration during genesis and satiation of thirst PNAS 1999;96:2532-2537.

188. Fox PT, Huang AY, Parsons LM, Xiong J, Rainey L. Functional Volumes Modeling: Scaling for group size in averaged images BrainMap '98 Meeting Proceedings, Special Issue of Human Brain Mapping 1999;8:143-150.

189. Woldorff MG, Matzke M, Zamattipa F, Fox PT. Hemodynamic and Electrophysiological Study of the Role of the Anterior Cingulate in Target-Related Processing and Selection of Action BrainMap '98 Meeting Proceddings, Special Issue of Human Brain Mapping 1999;8:121-127.

* 190. Fox PT, Huang AY, Parsons LM, Xiong JH, Rainey L, Lancaster JL. Functional volumes modeling: scaling for group size in averaged images. Hum Brain Mapp 1999 Jan;8(2-3):143-150.

* 191. Fox PT, Parsons LM, Lancaster JL. Beyond the single study: function/location metanalysis in cognitive neuroimaging Curr Opin Neurobiol 1998 Apr;8(2):178-187.

192. Fox PT, Parsons LM, Lancaster JL. Beyond the single study: function/location metanalysis in cognitive neuroimaging. Curr Opin Neurobiol 1998 Apr;8(2):178-187.

193. Xiong J, Rao S, Gao J, Woldoff M, Fox PT. Evaluation of Hemispheric Dominance for Language Using Functional MRI: A Comparison With Positron Emission Tomography Hum. Brain Mapp. 1998;6(1):42-58.

194. Hasnain MK, Fox PT, Woldorff M. Intersubject Variability of Functional Areas in the Human Visual Cortex Hum. Brain Mapp. 1998;6(4):301-315.

* 195. Lancaster JL, Kochunov P, Fox PT, Nikerson D. k-Tree Method for High-Speed Spatial Normalization Human Brain Mapping 1998;6(5/6):358-363.

* 196. Herndon RC, Lancaster JL, Giedd JN, Fox PT. Quantification of White Matter and Gray Matter Volumes from Three-Dimensional Magnetic Resonance Volume Studies Using Fuzzy Classifiers JMRI 1998;8(5):1097-1105.

197. Parsons LM, Fox PT. Neural Basis of Implicit Movements Used in Recognizing Hand Shape Cognitive Neuropsychology 1998;15:583-615.

* 198. Goins BA, Klipper R, Martin C, Jerabek PA, Khalvati S, Fox, PT, Cliff RO, Kwasiborski V, Rudolph AS, Phillips WT. Use of oxygen-15-labeled molecular oxygen for oxygen delivery studies of blood and blood substitutes. Adv Exp Med Biol 1998;454:643-652.

199. Hasnain MK, Fox PT, Woldorff MG. Intersubject variability of functional areas in the human visual cortex. Hum Brain Mapp 1998 Jan;6(4):301-315.

* 200. Goins B, Klipper R, Martin C, Jerabek PA, Khalvati S, Fox PT, Cliff RO, Kwasiborski V, Rudolph AS, Phillips WT.. Use of Oxygen-15-Labeled Molecular Oxygen for Oxygen Delivery Studies of Blood and Blood Substitutes. Adv. Exp Med Biol. 1998;454:643-652.

201. Lancaster JL, Kochunov PV, Fox PT, Nickerson D. k-tree method for high-speed spatial normalization. Hum Brain Mapp 1998 Jan;6(5-6):358-363.

* 202. Fox PT, Ingham R, George M, Mayberg H, Ingham J, Roby III JW, Martin C, Jerabek PA. Imaging human intra-cerebral connectivity by PET during TMS. NeuroReport 1997 Aug;18;8(12):2787-2791.

203. Xiong J, Nickerson LD, Downs JH, Fox PT. Basic principles and neurosurgical applications of positron emission tomography. Neurosurg Clin N Am 1997 Jul;8(3):293-306.

* 204. Gay CT, Hardies LJ, Rauch RA, Lancaster JL, Plaetke R, DuPont BR, Cody JD, Cornell JE, Herndon RC, Ghidoni PD, Schiff JM, Kaye CI, Leach RJ, Fox PT. Magnetic resonance imaging demonstrates incomplete myelination in 18q- syndrome: evidence for myelin basic protein haploinsufficiency. Am J Med Genet 1997 Jul;74(4):422-431.

205. Patyal BR, Gao J, Williams RP, Roby J, Saam B, Rockwell BA, Thomas RJ, Stolarski DJ, Fox PT. Longitudinal relaxation and diffusion measurements using magnetic resonance signals from laser-hyperpolarized 129Xe nuclei. J Magn Reson 1997 May;126(1):58-65.

* 206. Phillips WT, Lemen L, Goins B, Rudolph AS, Klipper R, Fresne D, Jerabek PA, Emch ME, Martin C, Fox PT, McMahan CA. Use of oxygen-15 to measure oxygen-carrying capacity of blood substitutes in vivo. Am J Physiol 1997 May;272(5 Pt):2492-2499.

* 207. Mayberg HS, Brannan SK, Mahurin RK, Jerabek PA, Brickman JS, Tekell JL, Silva JA, McGinnis S, Glass TG, Martin CC, Fox PT. Cingulate function in depression: a potential predictor of treatment response. Neuroreport 1997 Mar;8(4):1057-1061.

* 208. Hander TA, Lancaster JL, Kopp DT, Lasher JC, Blumhardt R, Fox PT. Rapid objective measurement of gamma camera resolution using statistical moments. Med Phys 1997 Feb;24(2):327-334.

* 209. Parsons LM, Bower J, Gao J, Xiong J, Li J, Fox PT. Lateral cerebellar hemispheres actively support sensory acquisition and discrimination rather than motor control. Learn Mem 1997;4(1):49-62.

210. Martin CC, Williams RP, Gao J, Nickerson LD, Xiong J, Fox PT. The pharmacokinetics of hyperpolarized xenon: implications for cerebral MRI. J Magnetic Resonance Imaging 1997;7(5):848-854.

* 211. Liotti M, Martin CC, Gao J, Roby JW, Mayberg HS, Zamarripa F, Jerabek PA, Fox PT. Xenon effects on regional cerebral blood flow assessed by 15O-H2O positron emission tomography: implications for hyperpolarized xenon MRI. J Magnetic Resonance Imaging 1997;7(4):761-764.

212. Gao J, Lemen L, Xiong J, Patyal B, Fox PT. Magnetization and diffusion effects in NMR imaging of hyperpolarized substances. Magn Reson Med 1997 Jan;37(1):153-158.

* 213. Woldorff MG, Fox PT, Matzke M, Lancaster JL, Veeraswamy S, Zamarripa F, Seabolt, Glass T, Gao J, Martin CC, Jerabek PA. Retinotopic organization of early visual spatial attention effects as revealed by PET and ERPs. Human Brain Mapping 1997

Jan;5(4):280-286.

214. Bandettini PA, Kwong KK, Davis TL, Tootell RBH, Wong EC, Fox PT, Belliveau JW, Weisskoff RM, Rosen BR. Characterization of cerebral blood oxygenation and flow changes during prolonged brain activation Hum. Brain Mapp. 1997;5:93-109.

* 215. Lancaster JL, Rainey LH, Summerlin JL, Freitas CS, Fox PT, Evans AC, Toga AW, Mazziotta JC. Automated Labeling of the Human Brain: A Preliminary Report of the Development and Evaluation of a Forward-Transform Method Hum. Brain Mapp. 1997;5(4):238-242.

* 216. Fox PT, Lancaster JL, Parsons LM, Xiong JH, Zamarripa F. Functional volumes modeling: theory and preliminary assessment. Hum Brain Mapp 1997 Jan;5(4):306-311.

* 217. Lancaster JL, Rainey LH, Summerlin JL, Freitas CS, Fox PT, Evans AC, Toga AW, Mazziotta JC. Automated labeling of the human brain: a preliminary report on the development and evaluation of a forward-transform method. Hum Brain Mapp 1997 Jan;5(4):238-242.

* 218. Ingham RJ, Fox PT, Ingham JC, Zamarripa F, Martin C, Jerabek P, Cotton J. Functional-lesion investigation of developmental stuttering with Positron Emission Tomography. J Speech Hear Res 1996 Dec;39(6):1208-1227.

219. Gao J, Miller I, Lai S, Xiong J, Fox PT. Quantitative assessment of blood inflow effects in functional MRI signals. Magnetic Resonance in Medicine 1996 Aug;36(2):314-319.

* 220. Fox PT, Ingham RJ, Ingham JC, Hirsch TB, Downs JH, Martin C, Jerabek P, Glass T, Lancaster JL. A PET study of the neural systems of stuttering Nature 1996 Jul;382(6587):158-161.

221. Fox PT, Ingham RJ, Ingham JC, Hirsch TB, Downs JH, Martin C, Jerabek P, Glass T, Lancaster JL. A PET study of the neural systems of stuttering. Nature 1996 Jul;382(6587):158-161.

* 222. Gao J, Xiong J, Lai S, Haacke EM, Woldorff MG, Li J, Fox PT. Improving the temporal resolution of functional MR imaging using keyhole techniques. Magn Reson Med 1996 Jun;35(6):854-860.

* 223. Gao JH, Parsons LM, Bower JM, Xiong J, Li J, Fox PT. Cerebellum implicated in sensory acquisition and discrimination rather than motor control. Science 1996 Apr;272(5261):545-547.

* 224. Ingham RJ, Fox PT, Ingham JC, Jerabek PA, Zamarippa F, Cotton J. A functional lesion investigation of developmental stuttering using positron emission tomography. Journal of Speech and Hearing Research 1996 Feb;39(6):1208-1227.

225. Miller I, Gao J, Fox PT. Determination of the optimal imaging parameters of the RODEO pulse sequence by computer simulation. J Magn Reson Imaging 1996;6(4):684-689.

* 226. Lancaster JL, Fox PT. Un Atlas du cerveau sur internet La Recherche 1996 Jan;289:49-51.

* 227. Xiong J, Gao J, Lancaster JL, Fox PT. Assessment and optimization of functional MRI analysis Human Brain Mapping 1996 Jan;4:152-167.

228. Xiong J, Gao JH, Lancaster JL, Fox PT. Assessment and optimization of functional MRI analyses. Hum Brain Mapp 1996 Jan;4(3):153-167.

* 229. Gao J, Xiong J, Li J, Schiff J, Lancaster JL, Fox PT. Fast Spin-Echo Characteristics of Visual Stimulation-Induced Signal Changes in the Human Brain JMRI 1995 Nov;5(6):709-714.

230. Gao JH, Xiong J, Li J, Schiff J, Roby J, Lancaster JL, Fox PT. Fast spin-echo characteristics of visual stimulation-induced signal changes in the human brain. J Magn Reson Imaging 1995 Nov;5(6):709-714.

* 231. Mazziotta JC, Toga AW, Evans A, Fox PT, Lancaster JL. A Probabilistic Atlas of the Human Brain: Theory and Rationale for Its Development NeuroImage 1995 Jun;2:89-101.

* 232. Parsons LM, Fox PT, Downs JH, Glass T, Hirsch TB, Martin CC, Jerabek PA, Lancaster JL. Use of implicit motor imagery for visual shape discrimination as revealed by PET. Nature 1995 May;375(6526):54-58.

233. Mazziotta JC, Toga AW, Evans AC, Fox PT, Lancaster JL. Digital brain atlases. Trends Neurosci 1995 May;18(5):210-211.

* 234. Lancaster JL, Fox PT, Xiong J, Gao J. Clustered Pixels Analysis for functional MRI activation studies of the human brain Human Brain Mapping 1995 Jan;3(4):287-301.

* 235. Lancaster JL, Glass TG, Lankipalli BR, Downs H, Mayberg H, Fox PT,. A Modality independent approach to Spatial Normalization of Tomographic Images of the Human Brain Human Brain Mapping 1995 Jan;3:209-223.

236. Fox PT. Broca‘ area: Motor encoding in somatic space Behavioral & Brain Sciences 1995;18(2):344-345.

* 237. Fox PT, Lancaster JL. Neuroscience on the net. Science 1994 Nov;266(5187):994-996.

* 238. Alyassin AM, Lancaster JL, Downs JH, Fox PT. Evaluation of new algorithms for the interactive measurement of surface area and volume. Med Phys 1994 Jun;21(6):741-752.

239. Fox PT, Woldorff MG. Integrating human brain maps. Curr Opin Neurobiol 1994 Apr;4(2):151-156.

240. Liotti M, Gay CT, Fox PT. Functional imaging and language: evidence from positron emission tomography. J Clin Neurophysiol 1994 Mar;11(2):175-190.

241. Raichle ME, Fiez JA, Videen TO, Pardo JV, Fox PT, Petersen SE. Practice-related changes in human functional anatomy during non-motor learning Cerebral Cortex 1994:8-26.

242. Gonzales-Lima F, McIntosh AR, Fox PT. Computational approaches to network analysis in functional brain imaging Hum. Brian Mapp. 1994;2

243. Liotti M, Gay CT, Fox PT. Normal imaging and language: Evidence from positron emission tomography: A review. J. Clin. Neurophys 1994;11:175-190.

244. Pardo JV, Fox PT. Preoperative assessment of the localization of language functions: a comparision of CBF PET with intracarotid sodium amytal. Hum. Brain Mapp. 1993;1:57-68.

245. Martin CC, Fox PT. PET functional brain mapping: Comparison and optimization of data acquisition strategies J. Nucl. Med 1993;34:39

246. Fox PT, Ingham RJ, Lancaster JL. Letter to the Editor, On stuttering and global ischemia: Interpretation and validity of findings reported by Pool et al. Arch. of Neurol 1993;50:1287-1288.

* 247. Ingham RJ. On stuttering and global ischemia: Interpretation and validity of findings reported by Pool et al (1991). Archives of Neurology 1993;50:1287-1288.

* 248. Lancaster JL, Eberly D, Alyassin A, Downs JH, Fox PT. A geometric model for measurement of surface distance, surface area, and volume from tomographic images Med Phys 1992 Mar;19(2):419-431.

249. Belliveau JW, Kwong KK, Rosen BR, Baker JL, Stern CE, Benson R, Kennedy DN, Chesler DA, Weisskoff RM, Cohen MS, Tootel, Fox PT, Brady TJ. MRI Mapping of brain function: Human visual cortex. Invest. Radiol. 1992;27:59-65.

250. Fox PT. Physiological ROI definition by image subtraction. J Cereb Blood Flow Metab 1991 Mar;11(2):79-82.

251. Pardo JV, Fox PT, Raichle ME. Localization of a human system for sustained attention by positron emission tomography. Nature 1991 Jan;349(6304):61-64.

252. Pardo JV, Fox PT, Raichle ME. PET localization of a system for sustained attention Nature 1991;349:61-64.

253. Petersen SE, Fox PT, Snyder AZ, Raichle ME. Activation of extrastriate and frontal cortical areas by visual words and word-like stimuli. Science 1990 Aug;249(4972):1041-1044.

254. Reiman EM, Raichle ME, Robins E, Mintun MA, Fusselman MJ, Fox PT, Price JL, Hackman KA. Neuroanatomical correlates of a lactate-induced anxiety attack. Arch Gen Psychiatry 1989 Jun;46(6):493-500.

255. Reiman EM, Fusselman MJ, Fox PT, Raichle ME. Neuroanatomical correlates of anticipatory anxiety. Science 1989 Feb;243(4894):1071-1074.

256. Fox PT, Mintun MA. Noninvasive functional brain mapping by change-distribution analysis of averaged PET images of H215O tissue activity. J Nucl Med 1989 Feb;30(2):141-149.

257. Mintun MA, Fox PT, Raichle ME. A highly accurate method of localizing regions of neuronal activation in the human brain with positron emission tomography. J Cereb Blood Flow Metab 1989 Feb;9(1):96-103.

258. Petersen SE, Fox PT, Posner MI, Raichle ME, Mintun MA. Positron emission tomographic studies of the processing of single words J. Cogn. Neurosci. 1989:153-170.

259. Fox PT, Mintun MA, Reiman EM, Raichle ME. Enhanced detection of focal brain responses using intersubject averaging and change-distribution analysis of subtracted PET images. J Cereb Blood Flow Metab 1988 Oct;8(5):642-653.

260. Powers WJ, Fox PT, Raichle ME. The effect of carotid artery disease on the cerebrovascular response to physiologic stimulation. Neurology 1988 Sep;38(9):1475-1478.

261. Fox PT, Raichle ME, Mintun MA, Dence C. Nonoxidative glucose consumption during focal physiologic neural activity. Science 1988 Jul;241(4864):462-464.

262. Posner MI, Petersen SE, Fox PT, Raichle ME. Localization of cognitive operations in the human brain. Science 1988 Jun;240(4859):1627-1631.

263. Petersen SE, Fox PT, Posner MI, Mintun M, Raichle ME. Positron emission tomographic studies of the cortical anatomy of single-word processing. Nature 1988 Feb;331(6157):585-589.

* 264. Bower JM, Nelson ME, Wilson MA, Fox PT, Furmanski W. Piriform cortex model on the hypercube Proceedings of 3rd conference on hypercube concurrent computers & applications 1988 Jan:977-999.

265. Fox PT, Burton H, Raichle ME. Mapping human somatosensory cortex with positron emission tomography. J Neurosurg 1987 Jul;67(1):34-43.

266. Fox PT, Miezin FM, Allman JM, Van Essen DC, Raichle ME. Retinotopic organization of human visual cortex mapped with positron-emission tomography. J Neurosci 1987 Mar;7(3):913-922.

267. Perlmutter JS, Powers WJ, Herscovitch P, Fox PT, Raichle ME. Regional asymmetries of cerebral blood flow, blood volume, and oxygen utilization and extraction in normal subjects. J Cereb Blood Flow Metab 1987 Feb;7(1):64-67.

268. Fox PT, Kall B. Stereotaxy as a means of anatomical localization in pysiological brain images:Proposals for futher validation. J. Cereb. Blood Flow & Metab. 1987;7:18-20.

269. Fox PT, Raichle ME. Focal physiological uncoupling of cerebral blood flow and oxidative metabolism during somatosensory stimulation in human subjects. Proc Natl Acad Sci U S A 1986 Feb;83(4):1140-1144.

270. Fox PT, Mintun MA, Raichle ME, Miezin FM, Allman JM, Van Essen DC. Mapping human visual cortex with positron emission tomography. Nature 1986;323(6091):806-809.

271. Reiman EM, Butler FK, Raichle ME, Herscovitch P, Robins E, Fox PT, Perlmutter JS. The application of positron emission tomography to the study of panic disorder Am. J. Psychiat 1986;143:469-477.

272. Fox PT, Raichle ME, Thach WT. Functional mapping of the human cerebellum with positron emission tomography. Proc Natl Acad Sci U S A 1985 Nov;82(21):7462-7466.

273. Perlmutter JS, Herscovitch P, Powers WJ, Fox PT, Raichle ME. Standardized mean regional method for calculating global positron emission tomographic measurements. J Cereb Blood Flow Metab 1985 Sep;5(3):476-480.

274. Fox PT, Fox JM, Raichle ME, Burde RM. The role of cerebral cortex in the generation of voluntary saccades: a positron emission tomographic study. J Neurophysiol 1985 Aug;54(2):348-369.

275. Florence JM, Fox PT, Planer GJ, Brooke MH. Activity, creatine kinase, and myoglobin in Duchenne muscular dystrophy: a clue to etiology? Neurology 1985 May;35(5):758-761.

276. Fox PT, Raichle ME. Stimulus rate determines regional brain blood flow in striate cortex. Ann Neurol 1985 Mar;17(3):303-305.

277. Fox PT, Perlmutter JS, Raichle ME. Stereotactic localization for positron emission tomography. J. Cereb. Blood Flow & Metab. 1985:611-612.

278. Fox PT, Raichle ME. Regional uncoupling of cerebral blood flow and oxygen metabolism during focal physiological activation: A positron emission tomographic study. J. Cereb. Blood Flow & Metab. 1985:177-178.

* 279. Fox PT, Mintun MA, Raichle ME, Herscovitch P. A noninvasive approach to quantitative functional brain mapping with H2 (15)O and positron emission tomography. J Cereb Blood Flow Metab 1984 Sep;4(3):329-333.

* 280. Fox PT, Raichle ME. Stimulus rate dependence of regional cerebral blood flow in human striate cortex, demonstrated by positron emission tomography. J. Neurophysiol 1984;51:1109-1121.

281. Raichle ME, Perlutter JS, Fox PT. Parkinson‘s disease: Metabolic and pharmacological approaches with positron emission tomography. Ann Neurol 1984;15:131-132.

282. Ter-Pogossian MM, Ficke DC, Mintun MA, Herscovitch P, Fox PT, Raichle ME. Dynamic cerebral positron emission tomographic studies. Ann Neurol 1984:46-47.

283. Raichle ME, Perlmutter JS, Fox PT. Parkinson's disease: metabolic and pharmacological approaches with positron emission tomography. Ann Neurol 1984 Jan;15 Su:131-132.

* 284. Fox PT. Transient cortical ageusia with a pericentral opercular contusion. Trnas. Amer. Neuro. Assn. 1981;106:331-333.

285. Fox PT, Pardo JV. Does inter-subject variability in cortical functional organization

increase with neural 'distance' from the periphery? Ciba Found Symp ;163:125-140.

286. Fox PT, Perlmutter JS, Raichle ME. A stereotactic method of anatomical localization for positron emission tomography. J Comput Assist Tomogr ;9(1):141-153.

287. Ter-Pogossian MM, Ficke DC, Mintun MA, Herscovitch P, Fox PT, Raichle ME. Dynamic cerebral positron emission tomographic studies. Ann Neurol ;15 Su:46-47.

288. Lee, K., P.T. Fox, J.L. Lancaster, S.H. Lee, P.A. Jerabek and M.D. Davis. Arterial input function and cerebral blood flow measurements using an intra-arterial positron (Î²+ partical) probe with H215O tracer in rats J. Neuroscience Methods (submitted)

289. Szabo CA, Narayana S, Franklin C, Knape KD, Leland MM, Williams JT, Fox PT. Analysis of the Photoparoxysmal CBF Response in the Baboon: Outlining the Epileptic Network, About to be submitted to Epilepsia

290. Szabo CA, Kochunov P, Knape KD, McCoy KJ, Leland MM, Lancaster JL, Fox PT, Williams JT, Rogers J. Cortical Sulcal Areas in Baboons (Papio hamadryas spp) with Generalized Interictal Epioleptic Discharges on Scalp EEG.Submitted to Epilepsy Research.

Not Specified

1. Lin A, Fox PT, Yang Y, Lu H, Tan L-H, Gao J-H. Time-dependent correlation of cerebral blood flow with oxygen metabolism in activated human visual cortex as measured by fMRI Neuroimage 2009 Jan;44:16-22.

2. Lin A, Fox PT, Yang Y, Lu H, Tan L-H, Gao J-H. Evaluation of MRI Models in the Measurement of CMRO2 and its Relationship with CBF Magnetic Resonance in Medicine 2008 Aug;60:380-389.

3. Lee TM, Leung AW, Fox PT, Gao JH, Chan CC. Age-related differences in neural activities during risk taking as revealed by functional MRI. Soc Cogn Affect Neurosci 2008 Mar;3(1):7-15.

4. Lee TM, Liu HL, Chan CC, Ng YB, Fox PT, Gao JH, Fox, PT. Neural correlates of feigned memory impairment. Neuroimage 2005 Nov;28(2):305-313.

5. Zhang JX, Feng CM, Fox PT, Gao JH, Tan LH, Fox, PT. Is left inferior frontal gyrus a general mechanism for selection? Neuroimage 2004 Oct;23(2):596-603.

6. Liotti M, Ramig LO, Vogel D, New P, Cook CI, Ingham RJ, Ingham JC, Fox PT. Hypophonia in Parkinson's disease: neural correlates of voice treatment revealed by PET. Neurology 2003 Feb;60(3):432-440.

7. Bandettini PA, Kwong KK, Davis TL, Tootell RB, Wong EC, Fox PT, Belliveau JW, Weisskoff RM, Rosen BR. Characterization of cerebral blood oxygenation and flow changes during prolonged brain activation. Hum Brain Mapp 1997 Jan;5(2):93-109.

Other

1. Ingmundson PT, Murray, JP, Liotti, M, Mayberg, HS, Pu, Y, Fox PT. Children's Brain Activations While Viewing Interpersonal Aggression: An MRI Stud. Presented at the

16th Annual Meeting of the International Society for Traumatic Stress Studies, San Antonio, Texas 2000 Nov

2. Ingmundson PT, Brannan, SK, Weissenburger, JE, Alfano, MS, Fox PT, Mayberg, HS. Positron Emission Tomography Correlates of Traumatic Memory. Presented at the 13th Annual Meeting of the International Society for Traumatic Stress Studies, Montreal, Canada 1997 Nov

Papers Submitted

1. Lee T., Liu H., Chan C., Fox PT, Gao J. Effects of response regulation in younger and middle-aged adults as revealed by functional MRI. NeuroImage 2003

2. Lemen LC, Fox PT, Woldorff MG, McGinnis S, Jerabek PA, Gao J. Sustained visual stimulation: neuronal and hemodynamic response. J. Cereb. Flow Metab. 1998

3. Liotti M, Mayberg HS, McGinnis S, Martin C, Jerabek PA, Fox PT. Isolating the negative mood state: A PET study in healthy volunteers. Neuron 1998

4. Liotti M, Laberge D, Zamarripa F, Jerabek PA, Fox PT. Brain activations during high and low levels of concentrated attention to visual shape and location. J. Cog. Neuroscience 1998

5. Fullerton GD, Gao JH, Fox PT, Dumoulin CL. Technical Developments in MR Angiography Current Medicine Topics in MRI 1995:19-28.

PRESENTATIONS:

01/2010 Skiing Moguls: How the Brain Navigates the Steep Slope of Motor Learning, 43rd Winter Conference on Brain Research, Breckenridge, CO (Sole Presenter)

01/2010 Modes of Mind: Intrinsic Coherent Network (ICN) in Brain Function and Structure, 43rd Winter Conference on Brain Research, Breckenridge, CO (Sole Presenter)

11/2009 STRONG STAR Neuroimaging Core. Neuroimaging of PTSD Symptoms and treatment, Post Traumatic Stress Disorder (PTSD), External Advisory Board Meeting, Atlanta, GA (Invited Speaker)

09/2009 Neuroimaging investigations of the Strong Star PTSD cohorts, Military Health Research Forum 2009, Kansas City, MO (Invited Speaker)

08/2009 Modeling brain connectivity from functional imaging, Summer School in Neuroimaging, Quebec Bio-Imaging Network & Functional Neuroimaging Unit, University of Montreal, Montreal, CA (Invited Speaker)

08/2009 Mapping and Medicine Human Brain Connectivity, The University of Texas and Texas Southmost College, Brownsville, TX (Invited Speaker)

04/2009 Modeling Treatment Effects with Functioning NeuroImaging, University of California, San Diego

Collaboration, Institute for Neural Computation, University of California, San Diego, San Diego, CA (Invited Speaker)

03/2009 A CTSA Core Perspective, Imaging Response Assessment Team & CTSA Network Imaging Working Group Joint Workshop, Building Relationships and Fostering Collaborations, IRAT/CTSA, Baltimore, MD (Panel)

02/2009 PET Imaging in the Brain, 3rd Annual American Society of Functional Neuroradiology, American Society of Functional Neuroradiology, San Antonio, TX (Invited Speaker)

01/2009 Imaging the Mind, Bench to Bedside: Converting Concepts to Cures, UT System's Chancellor's Council Executive Quarterly Meeting, University of Texas Health Science Center at San Antonio, San Antonio, TX (Panel)

11/2008 The Research Imaging Center at University of Texas Health Science Center at San Antonio, AAMC Governmental Relations Representatives Visit, San Antonio, TX (Invited Speaker)

Details: *Requested presentation by Dr. Cigarroa*

10/2008 The Neural Basis of Stutterring, Pediatrics Research Seminar, Dept. of Pediatrics Research Group, Department of Pediatrics, San Antonio, TX (Invited Speaker)

08/2008 Research Imaging Center, Radiology Lecture Series, Dept. of Radiology, UTHSCSA, San Antonio, TX (Invited Speaker)

08/2008 Assessing Treatment Mechanism of Action using Functional Neuroimaging, First Annual Summer Course for Clinical and Translational Investigators in Neurology and Neuroscience, American Neurological Association, Park City, UT (Invited Speaker)

07/2008 Measuring inter-regional connectivity in the Human Brain, Neurological Science Grand Rounds, Department of Neurosurgery, San Antonio, TX (Invited Speaker)

05/2007 Interoperability in the Future- Common Data Standards and Protocols across Fields in the Digital Arena, Council of Science Editors 2007 Annual Meeting, Austin, TX (Keynote Speaker)

12/2006 Robotic, Image-Guided System for Transcranial Brain Stimulation, The Bioengineering Forum Seminar Series, San Antonio, TX (Invited Speaker)

12/2005 Computing Consensus: Voxel-wise meta-analysis of Brain Functional Imaging, Basic Neuroscience Lecture Series, Departments of Neurology, Psychiatry and the Center for Basic Neuroscience, UT Southwestern Medical Center, Dallas, TX (Invited Speaker)

02/2005 Micro PET Imaging of Oxygen Metabolic Rate in Rats, Molecular Medicind Symposium, The University of Texas System, Houston, TX (Invited Speaker)

04/2004 MRI Technology and Research Workshop, Symposia in Experimental Psychology, UT Austin

Department of Psychology, Austin, TX (Co-Presenter)

12/2003 Brain Anatomical Differences Between Speakers of Chinese and of English, Frontiers in Neuroimaging of the Chinese language, University of Hong Kong, Hong Kong, HK (Invited Speaker)

10/2003 Magnetic Source MRI (msMRI): magnet Resonance Imaging Magnetic Fields Induced by Neuronal Firing, 2003 Minnesota Workshops on High Field MR Imaging and Spectroscopy & Magnetic Resonance Imaging of Brain Function, University of Minnesota, Minneapolis, MN (Co-Presenter)

09/2003 Imaging Cerebral Plasticity in Humans, Psychiatry Grand Rounds, Department of Psychiatry, The University of Texas Health Science Center at San Antonio, San Antonio, TX (Sole Presenter)

06/2003 What Can Neuroimaging Tell Us About Speech Production Disorders, NIH Workshop on Neurologic Motor Speech Disorders in Adults: Research Needs & Opportunities, National Institute on Deafness and Other Communication Disorders, Washington, D.C. (Panel)

06/2003 What's New in Brain Imaging?, The Future of Learning Conference, Jensen learning Corpration, San Antonio, TX (Invited Speaker)

10/2002 Brain Functional Organization of Persistant Developmental Stuttering, Brain, Behavior, and Cognition, University of Oklahoma Health Sciences Center - Oklahoma Center for Neuroscience, Oklahoma City, OK (Invited Speaker)

10/2002 Robotic, Image-Guided TMS: Methods, Validations and Applications, IEEE Engineering in Medicine and Biology Society Meeting, IEEE Engineering in Medicine and Biology Society, Houston, TX (Invited Speaker)

09/2002 Genomics, Brainstorm 2002: The Future of Neuroimaging, Athens, GR (Sole Presenter)

09/2002 Role of the Lateral Premotor Cortex in Articulation - A TMS Transient Lesion Analysis, Congress of Neurological Surgeons 52nd Annual Meeting, Philadelphia, PA (Sole Presenter)

08/2002 Brain Responses to Automatic Challenges: PET and fMRI Studies, Institute for Exercize and Enviromental Medicine, Presbyterian Hospital of Dallas, Dallas, TX (Sole Presenter)

06/2002 Metanalysis in Functional Brain Mapping, OHBM Education Program, HBM 2002 Conference, Sendai, JA (Sole Presenter)

05/2002 Functional Neuroimaging, 2nd Annual Conference of Specialized Programs in Neuroscience, Westin La Cantera Resort, San Antonio, TX (Sole Presenter)

05/2002 Mapping and Modeling: Human Cognition, Luncheon Talk at Governor's Club, San Antonio Country Club, San Antonio, TX (Sole Presenter)

04/2002 Mapping Language and Language Disorders, The International Symposium on Cognitive Neuroscience, Hong Kong, CH (Sole Presenter)

03/2002 Imaging Brain Connectivity, Spring 2002 Neuroscience Symposia, Cajal Neuroscience Research Center, The University of Texas at San Antonio, San Antonio, TX (Sole Presenter)

02/2002 PET Brain Studies, Nuclear Medicine Lecture Series, The University of Texas Health Science Center at San Antonio, San Antonio, TX (Sole Presenter)

02/2002 Brain Function Imaging, San Antonio Medical Imaging Research Workshop (SAMIR) 2002, San Antonio, TX (Sole Presenter)

01/2002 Have We Got Connections, Revisited: Convergent Methods for Elucidation of Connectivity in the Brain, Winter Conference on Brain Research, Aspen, CO (Sole Presenter)

10/2001 Imaging the Mind, Northside Independent School District Gifted & Talented Program Symposium, UTHSCSA, San Antonio, TX (Sole Presenter)

09/2001 Neuroimaging, Physical/Occupational Therapy students, Allied Health Science, San Antonio, TX (Sole Presenter)

08/2001 Functional Mapping Activations and Connections in Speech and Speech Disorders, 3rd International Conference on Cognitive Science, Beijing, CH (Sole Presenter)

08/2001 Functional Brain Imaging - PET and fMRI, Shanghai fMRI/Brain Mapping Seminar, Shanghai, CH (Sole Presenter)

07/2001 Bridging the Gap Between Animal Models and Clinical Trials: Advanced Imaging Techniques for Cancer Research, 11th Annual Symposium on Cancer Research, San Antonio, TX (Sole Presenter)

07/2001 Mapping and Modeling Human Language Systems Using Brain Imaging, Learning Brain Expo 2001, San Antonio, TX (Sole Presenter)

06/2001 Brain Map: A Results Database of Human Functional Brain Mapping, HBM 2001 Conference, Brighton, UK (Sole Presenter)

05/2001 PET Scan, Nuclear Medicine Lecture Series, University Hospital, San Antonio, TX (Sole Presenter)

04/2001 Mapping the Human Brain, 2001 Mini-Medical School Program, The University of Texas Health Science Center, San Antonio, TX (Sole Presenter)

04/2001 Cognitive Science and Imaging, University of Texas at El Paso, El Paso, TX (Sole Presenter)

04/2001 Mapping the Brain and Modeling the Mind, American Society of Neuroradiology Session, Boston, TX (Sole Presenter)

03/2001 Problems, Resources, and Solutions in Computational Biology, Expo 2001, The University of Texas Health Science Center, San Antonio, TX (Sole Presenter)

03/2001 Functional Mapping of Speech and Stuttering, Pediatric Departmental Seminars, The University of Texas Health Science Center, San Antonio, TX (Sole Presenter)

02/2001 Mapping and Modeling the Speech Motor System, North East School District, Piper-Bass Memorial Student Center, San Antonio, TX (Sole Presenter)

12/2000 Applications of PET to Oncology, Cancer Therapy and Research Center, Mabee Conference Center, Grossman Bldg. 3rd Floor, San Antonio, TX (Sole Presenter)

11/2000 Brain Correlates of Stuttering and Syllable Production: a PET performance-correlation analysis, ASHA Meeting, Washington, DC (Sole Presenter)

10/2000 Transcranial Magnetic Stimulation during PET: A new method for studying connectivity of the human cerebral cortex, and Imaging human intra-cerebral connectivity by PET during TMS, Journal Club, Department of Cellular and Structural Biology, The University of Texas Health Science Center, San Antonio, TX (Sole Presenter)

09/2000 Neuroimaging, Physical/Occupational Therapy students, Allied Health Science, San Antonio, TX (Sole Presenter)

09/2000 Use of PET scans in Diagnosis and Treatment, St. Joseph Medical Center, sponsored by Alliance Imaging, Bryan, TX (Sole Presenter)

09/2000 Imaging Brain Development, Infant Brain Development: Third Annual Community Leadership Conference of the "I am your Child" Texas Network, Austin, TX (Sole Presenter)

07/2000 Mapping the Mind, Northside Independent School District Nursing In-Service Program, San Antonio, TX (Sole Presenter)

05/2000 Models of the Human Brain, Mind Science Foundation, San Antonio, TX (Sole Presenter)

02/2000 PET Brain Studies, Nuclear Medicine Lecture, University Hospital, San Antonio, TX (Sole Presenter)

01/2000 Mapping and Modeling Human Neural Systems, 2nd US - Korea Joint Workshop on Brain Science - Cognitive and Behavioral Neuroscience, Seoul, KS (Sole Presenter)

01/2000 The Neural Systems of Developmental Stuttering: PET and fMRI studies, Department of Neurology, Seoul National University, Seoul, KS (~*~)

01/2000 Stuttering: A Neurobiological Perspective, Winter Conference on Brain Research, Breckenridge, CO (Sole Presenter)

11/1999 Mapping and Modeling Human Neural Systems, National Academy of Neuropsychology, San Antonio, TX (Sole Presenter)

09/1999 Mapping the Mind, Turtle Creek Optimists Club, Oak Hills Country Club, San Antonio, TX (Sole Presenter)

09/1999 Functional Neuroimaging: Modalities of the Study of Brain Development and its Disorders, Precious Minds, New Connections Conference, sponsored by the Kronkosky Foundation, San Antonio, TX (Sole Presenter)

08/1999 Mapping and Modeling the Human Brain, UTSA Neuroscience Retreat, New Braunfels, TX (Sole Presenter)

04/1999 Mapping and Modeling Human Neural Systems: Applications of Neuroimaging, The Southwest Foundation for Biomedical Research, San Antonio, TX (Sole Presenter)

04/1999 Mapping and Modeling Human Neural Systems: Contributions of Neuroimaging, Forth Annual Neuroscience Symposium, Neuroscience Institute, The University of Texas at Austin, Austin, TX (Sole Presenter)

03/1999 PET Brain Studies, Nuclear Medicine Lecture Series, University Hospital, San Antonio, TX (Sole Presenter)

02/1999 Mapping and Modeling Human Neural Systems, Medicine Grand Rounds, The University of Texas Health Science Center, San Antonio, TX (Sole Presenter)

01/1999 Have We Got Connections? Mapping Inter-Regional Connectivity in The Human Brain, Winter Conference on Brain Research, Snowmass, CO (Sole Presenter)

10/1998 Comparing Brains: Helping the Caregiver; Novel Applications of fMRI, Clinical Functional MRI Course, sponsored by MGH and Harvard Medical School, Boston, MA (Sole Presenter)

07/1998 Comparison of Blood Flow & Metabolism in Partial Complex Epilepsy, Neurology Grand Rounds, The University of Texas Health Science Center, San Antonio, TX (Sole Presenter)

05/1998 Clinical Studies - PET, Physics of Nuclear Medicine Imaging, shared Course UTHSCSA/UNAM, The University of Texas Health Science Center, San Antonio, TX (Sole Presenter)

05/1998 Mapping and Modeling Human Brain Function, Cellular and Structural Biology Seminar Series,

The University of Texas Health Science Center, San Antonio, TX (Sole Presenter)

04/1998 Mapping & Modeling Human Neural Systems with Modern NeuroImaging, Paris, FR (Sole Presenter)

03/1998 Clinical Approaches to Studying Drug Action (Imaging, PET, MRI), Neuropsycho-pharmacology Course, Department of Pharmacology, Department of Pharmacology, The University of Texas Health Science Center, San Antonio, TX (Sole Presenter)

02/1998 Algorithms and Applications in Human Brain Mapping, Department of Mathematics, Trinity University, San Antonio, TX (Sole Presenter)

02/1998 Mapping the Brain, MAPA First Annual CME Program, jointly sponsored by The Mexican American Physicians Association of South Texas and The University of Health Science Center at San Antonio, San Antonio, TX (Sole Presenter)

01/1998 Presentation, Workshop - Blood is Thicker Than Water: A view by PET, fMRI and optical methods, 31st Annual Winter Conference in Brain Research, Snowbird, UT (Sole Presenter)

11/1997 Human Brain Mapping, Graduate School of the Chinese Academy of Sciences, Beijing, CH (Sole Presenter)

11/1997 Pre-Operative Evaluation with PET and fMRI, Neurosurgery Grand Rounds, The University of Texas Health Science Center, San Antonio, TX (Sole Presenter)

10/1997 fMRI and PET Studies of Cerebellar Function, 9th International Workshop on Magnetic Resonance Angiography: New Horizons in MRA and CTA, Valencia, SP (Sole Presenter)

07/1997 Imaging with PET, McDonnell Summer Institute in Cognitive Neuroscience, Dartmouth College and Dartmouth Medical School, Hanover, NH (Sole Presenter)

06/1997 Functional Volume Models: System-level models for functional neuroimaging, Internatinal Conference on Neural Networks, Houston, TX (Sole Presenter)

06/1997 Metanalytic Modeling of Brain Functional Areas and Systems, International Conference on Neural Networks, Houston, TX (Sole Presenter)

06/1997 Modeling Human Brain Structure and Function by a Federation of 3-D Databases, 6th World Congress of Biological Psychiatry, Nice, FR (Sole Presenter)

05/1997 Modeling the Mind: Contributions from NeuroImaging, Consciousness: at the frontiers of neuroscience, 19th Symposium International La conscience, Montreal (Quebec), CA (Sole Presenter)

04/1997 Neural Reorganization: Implications for Rehabilitation, sponsored by the Texas Physical

Therapy Association and the University of Texas Health Science Center at San Antonio, San Antonio, TX (Sole Presenter)

03/1997 Inside the Brain in the 90's: Advances in brain imaging and our knowledge of cognition, Applied Cognitive Rehabilitation Third Annual Training Seminar, The Society for Cognitive Rehabilitation, Inc., Austin, TX (Sole Presenter)

01/1997 Cognition and the Cerebellum: a Neuroimaging Perspective, Department of Neurobiology & Anatomy Research Colloquium, The University of Texas at Houston, Houston, TX (Sole Presenter)

12/1996 Quantitative Comparison of the Functional Map Between Clinical and Normal Populations, NIH supported Workshop Neuroplasticity and Reorganization of Function After Brain Injury, Bethesda, MA (Sole Presenter)

12/1996 Mapping and Modeling the Neural Circuitry of Language with Functional Neuroimaging, 5th Puerto Rico Neuroscience Conference, Ponce, PR (Sole Presenter)

11/1996 Mapping, Metanalysis and Modeling of Human Neural Systems, Psychiatry Grand Rounds, Yale University, West Haven, CT (Sole Presenter)

10/1996 The Human BrainMap Database, PET: A critical assessment of recent trends, NATO Advanced Workshop, Hungarian PET Center, Debrecen, HU (Sole Presenter)

10/1996 Investigations of the Functional and Structural Components of Working Memory, International Society for Music in Medicine, The University of Texas Health Science Center, San Antonio, TX (Sole Presenter)

10/1996 Cognitive Operations in the Cerebellum as Determined by Neuroimaging, Colloquium in Neuroscience, The University of Texas at Dallas, Dallas, TX (Sole Presenter)

08/1996 Human Brain Mapping - The State-of-the-Art, The visible mind: Psychology and brain imaging Symposium, International Congress of Psychology, Montreal, CA (Sole Presenter)

08/1996 Justine Sergent: Her contribution to cognitive neuroscience, Symposium in the memory of Justine Sergent: Her work and the neuropsychological contex, Montreal, CA (Sole Presenter)

08/1996 Three-Dimentional Operations, First Annual Workshop on Neuroimaging with Personal Computers, Drexel University, Philadelphia, PA (Sole Presenter)

06/1996 Mapping and Modeling Human Cognition, 3rd International Conference on Speech Motor Production and Fluency Disorders, Nijemegen, NL (Sole Presenter)

06/1996 Comparing Brains: Warping, Flattening, Talairach, and More, Workshop on Functional MRI sponsored by MGH-NMR Center and the Organization for Human Brain Mapping, Boston, MT (Sole Presenter)

06/1996 Functional Volumes Modeling: A Framework for System-Level Modeling of Human Neuroimaging Data, Uehara Memorial Foundation Symposium on Integrative and Molecular Approach to Brain Function, Tokyo, JA (Sole Presenter)

05/1996 Mapping the Mind, Military Civilian Club, San Antonio, TX (Sole Presenter)

04/1996 Music and the Brain: The Neuroimaging Experience, Music Educators National Conference, Kansas City, KS (Sole Presenter)

04/1996 Watching the brain work: from the laboratory to the clinic and to the operating room, The 64th Annual Meeting of The American Association of Neurological Surgeons, Minneapolis, MI (Sole Presenter)

03/1996 Mapping and Modeling Human Cognition, Functional Neuroimaging: Advances and Applications, 6th Annual Rotman Research Institute Conference, Ontario, CA (Sole Presenter)

02/1996 Comparison of PET and Functional MRI Studies for Language Lateralization, 14th Annual Houston Conference on Biomedical Engineering Research, Houston, TX (Sole Presenter)

02/1996 Mapping and Modeling the Speech Motor System, Biennial Conference on Motor Speech, Amelia Island, FL (Sole Presenter)

01/1996 Modeling Human Functional Neuro-Anatomy, Psychiatry Grand Rounds, The University of Texas Health Science Center, San Antonio, TX (Sole Presenter)

12/1995 Models of Human Neural Systems derived from Functional Neuroimaging, ACNP Annual Meeting, San Juan, PR (Sole Presenter)

11/1995 What can Neuroscience tell us about the mind - especially the presence or abuse of consciousness, Defining Death in a Technological Age: The Interface between Medical Science and Society, Cleveland, OH (Sole Presenter)

11/1995 Supplementary Motor & Premotor Overactivity in Stuttering: A PET Study of Stuttering. Poster Presentation, Society for Neuroscience 15th Annual Meeting (Sole Presenter)

09/1995 Neuroimaging and Speech Pathology, Our Lady of the Lake University, Jersig Communications Disoders Program, Research Imaging Center, San Antonio, TX (Sole Presenter)

09/1995 Neuroimaging methods in cognitive neuroscience: Recent studies of object and language semantics, Cognitive Science Graduate Proseminar, The University of Texas at Austin, Austin, TX (Sole Presenter)

07/1995 Neurobiology of Stuttering, Neurology Grand Rounds, The University of Texas Health Science Center, San Antonio, TX (Sole Presenter)

06/1995 Brain Mechanisms of Language and Other Cognitive Functions (PET), Human Cortical Functions, Cultural Research Unit of Tampere University and Low Temperature Laboratory, Helsinki University, Helsinki, FI (Sole Presenter)

06/1995 American and European Brain Databases, Human Cortical Functions, Cultural Research Unit of Tampere University and Low Temperature Laboratory, Helsinki University, Helsinki, FI (Sole Presenter)

06/1995 BrainMap: A Community Database of Human Functional Neuroanatomy. Poster Presentation, First International Conference on Functional Mapping of the Human Brain, Paris, FR (Sole Presenter)

06/1995 Dentate-Nucleus Involvement in Shape and Texture Discrimination: an fMRI Study, First International Conference on Functional Mapping of the Human Brain, Paris, FR (Sole Presenter)

06/1995 Piano performance from Memory: A PET Study, First International Conference on Functional Mapping of the Human Brain, Paris, FR (Sole Presenter)

06/1995 Premotor Overactivity in Stuttering: A PET Study of Induced Fluency. Poster Presentation, First International Conference on Functional Mapping of the Human Brain, Paris, FR (Sole Presenter)

05/1995 PET & MRI Studies of Language Localization in the Brain, Neuroscience Lecture, Center for Neuroscience, Center for Neuroscience, University of Wisconsin at Madison, Madison, WI (Sole Presenter)

05/1995 Functional Imaging of Language, Attention and Praxis, Workshop - Neurobiology of Developmental Disoders, American Academy of Neurology Annual Meeting, Seattle, WA (Sole Presenter)

04/1995 Language Organization in the Brain, Neuroscience Colloquium, Department of Psychology, Rice University, Houston, TX (Sole Presenter)

04/1995 Language Organization in the Brain as demonstrated by PET and functional MRI, Cognitive Neuroscience Colloquium, Department of Psychology, University of Texas at Arlington, Arlington, TX (Sole Presenter)

03/1995 Basic and Applied Neuro-Imaging Research, Neuroscience Institute at Methodist Hospital, San Antonio, TX (Sole Presenter)

03/1995 Presentation, Workshop - Localization within and between subjects, fMRI workshop: How to Interpret it, How to do it, San Francisco, CA (Sole Presenter)

01/1995 How do you handle large amounts of data collected?, Functional Imaging Techniques and Cognitive Neuroscience Symposium, McDonnell-Pew Cognitive Neuroscience Annual Meeting, Tucson, AR (Sole Presenter)

01/1995 Presentation, Workshop - The Probabilities of a Brain Atlas: Do You Know Where You Are? Winter Conference on Brain Research, Steamboat Springs, CO (Sole Presenter)

11/1994 Brain Mapping PET/fMRI: A Convergence of Disciplines, Functional Magnetic Resonance Imaging Workshop, University of Wisconsin - Madison Medical School, Midwest, Madison, WI (Sole Presenter)

11/1994 Mapping Language Function and Dysfunction, Geschwind Lecture, 45th Annual Conference of The Orton Dyslexia Society, Los Angeles, CA (Sole Presenter)

11/1994 Intersubject Variability of Cerebral Structures after Spatial Normalization Using a Cortical Convex Hull. Poster presentation, Society for Neuroscience Annual Meeting, Miami Beach, FL (Sole Presenter)

10/1994 Mapping the Mind: PET Studies of Cognition, Neuroscience Colloquium, Amherst, MT (Sole Presenter)

09/1994 Applications of Spatial Normalization, Radiological Sciences Graduate Lecture, The University of Texas Health Science Center, San Antonio, TX (Sole Presenter)

07/1994 Integrating Brain Mapping Findings, Mapping Cognition in Time and Space: Combining EEG and MEG with Functional Imaging, Medizinische Hochschule Hannover, Magdeburg, GM (Sole Presenter)

07/1994 BrainMap: A Community Database of Human Brain Function, Federal Integrated Data Access Caucus, Washington, DC (Sole Presenter)

06/1994 Strategies and Applications of Brain Spatial Normalization, Brookhaven National Laboratories, Long Island, NY (Sole Presenter)

05/1994 Preoperative Assessment of Epileptic Patients with Imaging, Houston Epilepsy Symposium, UT Medical School, Houston, TX (Sole Presenter)

04/1994 Mapping the Mind, Cutting Edge Lecture Series, The Evergreen State College, Olimpia, WA (Sole Presenter)

04/1994 Mapping the Human Brain - A Model of Computational Medicine, Pacific Northwest Labs, Richland, WA (Sole Presenter)

03/1994 Mapping and Modeling the Brain. Brainmap: A Database of Human Functional Neuroanatomy, American Association for the Advancement of Science, San Francisco, CA (Sole Presenter)

03/1994 Stuttering: PET Maps of Fluent and Dysfluent Speech, Neurology Grand Rounds, The University of Texas Health Science Center, San Antonio, TX (Sole Presenter)

03/1994 Referring of Epilepsy Patients, Neuroscience Speaker Series, Spohn Hospital, Corpus Christi, TX (Sole Presenter)

02/1994 Functional Brain Mapping in Psychiatry, Psychiatry Grand Rounds, University of Texas Medical Branch, Galveston, TX (Sole Presenter)

02/1994 Mapping the Mind, Local Chapter of American Chemical Society, San Antonio, TX (Sole Presenter)

01/1994 Imaging as a Model of Computational Medicine, Department of Energy, Washington, DC (Sole Presenter)

11/1993 Functional Imaging in Mental Disoders, National Institute of Mental Health, NIH, Washington, DC (Sole Presenter)

10/1993 Preoperative Brain Mapping with PET, Neural Networks and Seizure Detection, American Elecrtoencephalographic Society, New Orleans, LA (Sole Presenter)

10/1993 Human Brain Mapping with Functional MRI, Neurology Grand Rounds, UTHSCSA, San Antonio, TX (Sole Presenter)

10/1993 Imaging Brain Metabolism, Clinical Correlation for Medical Biochemistry, The University of Texas Health Science Center, San Antonio, TX (Sole Presenter)

10/1993 An Introduction to Neuroanatomy/Physiology of the Brain, American College of Legal Medicine, San Antonio, TX (Sole Presenter)

07/1993 PET Paradigm Design, Frontiers Neuroimaging: Challenges in Mapping Brain Behavior Relationships in Children, National Institute of Child Health and Human Development and National Institute of Mental Health, Bethesda, MA (Sole Presenter)

06/1993 Database Development in Human Cognitive Neuroscience, Cold Spring Harbor Human Functional Neuroimaging Course, Cold Spring Harbor, NY (Sole Presenter)

06/1993 Imaging the Neural Systems of Human Behavior, Department of Energy, Arlington, VI (Sole Presenter)

06/1993 Brain Activation Studies, SMRM/SMRI sponsored Workshop Functional MRI of the Brain, Arlington, VI (Sole Presenter)

05/1993 The Source of the Intrinsic Signal, Neural Modeling and Functional Neuroimaging, Neurosciences Institute, New York, NY (Sole Presenter)

05/1993 Human Brain Mapping, A Workshop on Computational Neurosciences, University of Texas

System Center for High Performance Computing, Austin, TX (Sole Presenter)

05/1993 Human Functional Brain Mapping, University of Arkansas Medical Sciences Research Forum, Little Rock, AR (Sole Presenter)

04/1993 Brain PET Scanning, Radiology Residents, Medical Center Hospital, San Antonio, TX (Sole Presenter)

04/1993 Brain PET: A Review of Clinical Applications, Texas Radiological Society 80th Annual Meeting, Dallas, TX (Sole Presenter)

04/1993 Functional Mapping Studies in Normal Subjects, American Academy of Neurology 45th Annual Meeting, New York, NY (Sole Presenter)

03/1993 Vascular and Metabolic Physiology of Human Brain Mapping, Medical College of Wisconsin, Milwaukee, WI (Sole Presenter)

03/1993 Variability of the Functional Anatomy of Human Cerebral Cortex, Neurology Grand Rounds, The University of Texas Health Science Center, San Antonio, TX (Sole Presenter)

03/1993 Nuclear Medicine Lecture, Medical Center Hospital, San Antonio, TX (Sole Presenter)

03/1993 The Human Brain Map Database, Workshop on Integrating Heterogeneous Information Systems, sponsored by the Army Research Organization, Monterey, CA (Sole Presenter)

03/1993 Mapping and Modeling the Functional Organization of the Human Brain, American Neuropsychiatric Association 5th Annual Meeting, San Antonio, TX (Sole Presenter)

02/1993 PET/MRI Analysis of Human Brain Functional Organization, INDO-US Symposium on Mental Health in the Decade of the Brain, Bangalore, IN (Sole Presenter)

01/1993 Nuclear Medicine Lecture, Wilford Hall Medical Center, Lackland Airforce Base, San Antonio, TX (Sole Presenter)

01/1993 Presentation, Research Conference, Setting an Agenda for Neuromusical Research, San Antonio, TX (Sole Presenter)

12/1992 Human Brain Mapping with Positron Emission Tomography, Neurology of Behavior Course, Boston, MT (Sole Presenter)

12/1992 BrainMap - A Data Bank for Exploring Brain Behavior Relationships, Department of Neurology, Department of Neurology, Beth Israel Hospital, Boston, MT (Sole Presenter)

12/1992 Human Functional Brain Mapping, Department of Neurobiology, Department of Neurobiology,

The Weizmann Institute, Rehovot, IS (Sole Presenter)

11/1992 Navigating Neuroscience Databases, Neuroscience Annual Meeting, Contemporary Tools for Neuroscience, Human Brain Project: Integrating Enabling Technologies with Neuroscience Research, Contemporary Tools for Neuroscience, Human Brain Project: Integrating Enabling Technologies with Neuroscience Research, NIMH, Anaheim, CA (Sole Presenter)

11/1992 PET Mapping of Human Visual and Ocular Motor Areas, Functional Neuroimaging: Looking at the Mind, Boston, MT (Sole Presenter)

10/1992 The Role of Imaging in Research of the Mind and Brain, 1992 AAPM, SW Chapter Annual Meeting, San Antonio, TX (Sole Presenter)

10/1992 Imaging Brain Metabolism, Medical Biochemistry Students, The University of Texas Health Science Center, San Antonio, TX (Sole Presenter)

09/1992 The Use of Standardized Anatomical Coordinates for Meta Analysis of the Functional Brain Mapping Literature, Advances in Functional Neuroimaging: Technical Foundations, NINDS Conference, Bethesda, MA (Sole Presenter)

07/1992 Positron Emission Tomography (PET) Scanning, Texas Society for Respiratory Care Convention & Trade Show, San Antonio, TX (Sole Presenter)

06/1992 PET Studies of Human Visual Cortex, Imaging in Ophthalmology, The University of Texas Health Science Center at San Antonio, San Antonio, TX (Sole Presenter)

05/1992 Brain Metabolism, Imaging the Living Brain, Course in Medical Neuroscience, Department of Cellular and Structural Biology, The University of Texas Health Science Center at San Antonio, San Antonio, TX (Sole Presenter)

04/1992 Functional Mapping of the Human Brain with PET & MRI, William Henry Hudson Lecturer for the 1992 Annual Meeting of Southern Neurosurgical Society, Washington, DC (Sole Presenter)

04/1992 Functional Brain Mapping in Clinical Environment, SPECT/PET Nuclear Cardiology Symposium & 37th Annual Meeting, Southwestern Chapter Society of Nuclear Medicine, San Antonio, TX (Sole Presenter)

04/1992 Cognitive Studies with PET, Neuroscience Seminar Series, University of New Mexico School of Medicine, Albuquerque, NM (Sole Presenter)

03/1992 Advances in Positron Imaging of Brain Function, Neurology in the 1990's: Intensive Clinical and Basic Neuroscience Update, Postgraduate Continuing Education Course, Harvard Medical School, Boston, MT (Sole Presenter)

03/1992 The Use of Positron-Emission Tomography for Pre-Operative Evaluation of Partial Epilepsy, Diagnostic Radiology Continuing Medical Education Course, San Antonio, TX (Sole Presenter)

02/1992 BrainMap: A Database of Human Functional Neuroanatomy Derived from PET, The Forth International Conference: Peace through Mind/Brain Science, Hamamatsu, JA (Sole Presenter)

02/1992 Positron Emission Tomography in Drug Development and Evaluation, 31st Annual International Industrial Pharmacy Conference, sponsored by The University of Texas College of Pharmacy, Austin, TX (Sole Presenter)

01/1992 Lecture, Neurology Grand Rounds, Wilford Hall Medical Center, Lackland Airforce Base, San Antonio, TX (Sole Presenter)

01/1992 Nuclear Medicine Lecture, Wilford Hall Medical Center, Lackland Airforce Base, San Antonio, TX (Sole Presenter)

01/1992 Human Brain Project, Human Neuroscience Workshop, sponsored by Human Brain Project, The National Institute of Mental Health, Rockville, MA (Sole Presenter)

01/1992 Do Different Techniques Lead to Different Conclusions About the Cognitive Role of a Brain Region?, Twenty-fifth Annual Winter Conference on Brain Research, Steamboat Springs, CO (Sole Presenter)

12/1991 Functional Mapping of the Human Brain, Joint Program in Medicine Seminar, Harvard Medical School, Boston, MT (Sole Presenter)

11/1991 Positron Emission Tomographic Studies of Human Attention, Advances in Metabolic Mapping Techniques for Brain Imaging of Behavioral and Learning Functions, NATO Advanced Research Workshop, Austin, TX (Sole Presenter)

11/1991 Practice Related Changes in Human Brain Functional Anatomy, Society for Neuroscience Annual Meeting, New Orleans, LA (Sole Presenter)

11/1991 Functional Brain Mapping with PET: Strategies for Application in Psychiatric Diseases, Psychiatry Grand Rounds, The University of Texas Health Science Center at San Antonio, San Antonio, TX (Sole Presenter)

10/1991 Positron Emission Tomography: Complimentary Application in a Multi Modality Enviroment, American Chemical Society Southwest Regional Meeting, San Antonio, TX (Sole Presenter)

09/1991 Brain Imaging, Texas Mental Health and Mental Retardation Annual Physicians Conference, Austin, TX (Sole Presenter)

09/1991 Lecture, Cognitive Neurosciences Colloquim, The University of Texas at Austin, Austin, TX (Sole Presenter)

07/1991 PET Brain Imaging, President's Symposium, The American Association of Physicists in

Medicine, San Francisco, CA (Sole Presenter)

06/1991 Functional Brain Imaging - Evaluation of Brain Function with PET, President Plenary Session, American Society of Neuroradiology, Washington, DC (Sole Presenter)

05/1991 PET Mapping of Cognitive Process: A New View of the Anatomy of Mind, Contemporary Issues in the Neurosciences, Cornell University Medical Center, New York, NY (Sole Presenter)

03/1991 Co-Chair, Exploring Brain Functional Anatomy with Positron Emission Tomography, Ciba Foundation Symposium Number 163, London, UK (Panel)

03/1991 PET and SPECT, Toward a Computational Atlas of the Human Brain, Los Alamos National Laboratory Workshop, Santa Fe, NM (Sole Presenter)

10/1990 Spatial relations in signed vs. spoken language: Clues to right parietal function. Opening address, American Academy of Aphasia, Baltimore, MA (Sole Presenter)

08/1990 Current Status of the Johns Hopkins Mind/Brain Institute. Opening lecture, The Third International Conference: Peace Through Mind/Brain Science, Opening lecture, Hamamatsu, JA (Sole Presenter)

07/1990 Functional Brain Mapping: Applications in Planning Tumor Treatment, Presentation to the National Institute of Health, National Cancer Institute, Radiation Research Program, Bethesda, MA (Sole Presenter)

06/1990 Coupling of Neural Activity to PET Measures of Blood Flow and Metabolic Rate, 6th Annual Course on Brain Chemistry and Behavior: Advances in PET and SPECT Imaging, The Johns Hopkins Medical Institutions, Baltimore, MA (Sole Presenter)

06/1990 Co-Chair, Workshop on Functional Mapping of the Human Brain, The Zanvyl Krieger Mind/Brain Institute, The Johns Hopkins University, Baltimore, MA (Panel)

03/1990 Task Force on Human Brain Imaging, Institute of Medicine Committee on a National Neural Circuitry Database, Beckman Center, Irvine, CA (Sole Presenter)

01/1990 Participant, Workshop on Non-Invasive Functional Brain Mapping, Sponsor: Semir Zeki, The Neurosciences Institute of Neuroscience Research Program of the Neurosciences Research Foundation. Sponsor: Semir Zeki, New York, NY (Co-Presenter)

07/1989 A Simple Hierarchy of Motor Regions, Cerebral Association Areas, 21st International Congress of Physiology, Helsinki, FI (Sole Presenter)

07/1989 Change-distribution Analysis for PET Brain Mapping, Research Seminar, MRC Cyclotron Unit, MRC Cyclotron Unit, The Hammersmith Hospital, London, UK (Sole Presenter)

07/1989 The Neuroanatomy of Normal and Lactate-Induced Anxiety, Department of Neurology Grand Rounds, University of London, The Institute of Neurology (Queen Square), London, UK (Sole Presenter)

06/1989 Studies of Human Motor Behaviors with PET, Department of Neurology Grand Rounds, Department of Neurology, University of Medicine and Dentistry of New Jersey, Neward, NJ (Sole Presenter)

05/1989 Physiological ROI Definition by Image Subtraction, PET Data Analysis Working Group, Memorial Sloan-Kettering Cancer Center, New York, NY (Sole Presenter)

05/1989 Functional Brain Mapping with PET, Neuroscience Seminar, Department of Anatomy and Neurobiology, University of Texas Medical School, Houston, TX (Sole Presenter)

05/1989 A Simple Hierarchy of Motor Regions in Cerebral Cortex suggested by PET, Clinical Neurosciences Conference, Northwestern University Medical School, Evanston, IL (Sole Presenter)

01/1989 PET Scanning: General Principles and Specific Applications to the Cerebral Organization of Language, Department of Neurology Grand Rounds, Department of Neurology, University of Alabama at Birmingham, Birmingham, AL (Sole Presenter)

01/1989 Functional Brain Mapping with PET, Department of Neurology Grand Rounds, Department of Neurology, Johns Hopkins University Hospitals (Sole Presenter)

01/1989 Applications of PET imaging to the Cerebral Organization of Language, University of Tennessee, Knoxville, TN (Sole Presenter)

01/1989 Functional Brain Mapping with PET: Sensation, Cognition, and Emotion, Department of Psychiatry Grand Rounds, Department of Psychiatry, University of Minnesota, Minneapolis, MN (Sole Presenter)

12/1988 Language Organization as Identified by PET Brain Imaging, Department of Neurology Grand Rounds, Department of Neurology, State University of New York at Buffalo, Buffalo, NY (Sole Presenter)

12/1988 PET studies of the Cortical Anatomy of Speech and Movement, Department of Neurology Research Seminar, Department of Neurology, University of Chicago, Chicago, MT (Sole Presenter)

11/1988 PET Localization of Language Functions, Department of Neurology, Memorial Sloane-Kettering Cancer Center, New York, NY (Sole Presenter)

11/1988 A Simple Hierarchy of Cerebral Motor Zones Suggested by PET Brain Imaging, NEURAL PROGRAMMING, The Twelfth International Taniguchi Foundation Symposium on Brain Sciences, Kyoto, JA (Sole Presenter)

11/1988 A Dual Guidance-Module Hypothesis of Motor Programming based on PET brain imaging, New Approaches to Understanding Mechanisms of Motor Behavior, Department of Neurophysiology, Tohoku University and Tohoku Medical Society, Sendai City, JA (Sole Presenter)

11/1988 Analysis Strategies for Subtracted PET Images, Cyclotron and Radioisotope Center, Cyclotron and Radioisotope Center, Tohoku University School of Medicine, Sendai City, JA (Sole Presenter)

10/1988 The Functional Anatomy of Language studied with PET, Department of Neurology Research Seminar, Department of Neurology, University of Iowa Medical Center, IA (Sole Presenter)

09/1988 Neuroimaging: Toward a functional anatomy of mind, Secrets of the Brain: The Neuroscience of Learning, The Cleveland Clinic Foundation, Cleveland, OH (Sole Presenter)

02/1988 Images of the Brain in Action: PET as a Probe into Behavioral Neuroanatomy, Department of Psychiatry Grand Rounds, Department of Psychiatry, University of Chicago, Chicago, MT (Sole Presenter)

01/1988 Functional Mapping of the Human Brain with Positron Emission Tomography, The Supplementary Motor Area: How does it participate in the realm of Motor Control, 21st Winter Conference on Brain Research, Steamboat Springs, CO (Sole Presenter)

12/1987 Functional mapping with positron emission tomography as a means of studying human cognitive processing, The Functional Anatomy of Attention & Perception, McDonnell Foundation Symposium, St. Louis, MI (Sole Presenter)

08/1987 Vascular responses of the human cortex to physiological stimulation, Workshop on Brain Microcirculation, Second World Congress of Neuroscience, Budapest, HU (Sole Presenter)

06/1987 Cerebral Perfusion: The Role of PET tracers, Myocardial & Cerebral Perfusion Tracers: Clinical Needs and State of Art, Society of Nuclear Medicine, Toronto, CA (Sole Presenter)

06/1987 Functional activation as a tool for the study of psychiatric disease, Workshop on Brain Imaging, MacArthur Foundation Research Network on Mental Disoders, San Diego, CA (Sole Presenter)

04/1987 Changes in Regional Cerebral Blood Flow Associated with Movement and Cognition, Dynamic Assessment of Brain Function, American Society for Clinical Evoked Potentials, Philadelphia, PA (Sole Presenter)

04/1987 Images of the Brain in Action, Second Annual California Developmental Research Conference, Monterey, CA (Sole Presenter)

07/1986 PET techniques for functional brain mapping, Workshop on Brain Imaging, MacArthur Foundation Research Network on Mental Disoders, Wayzata, MN (Sole Presenter)

04/1985 Human visual system mapping with PET, Helmholtz Society, The Salk Institute, San Diego, CA (Sole Presenter)

03/1985 Applications of Positron Emission Tomography to Human Physiology and Pathophysiology, Neurology Grand Rounds, Veterans Admin. Hospital, St. Louis, MI (Sole Presenter)

RESEARCH GRANTS:

Project #:
Funding Agency: NIH
Title: Deep Sequencing of Candidate and Novel Genes Involved in Brain Structure and Function
Status: Pending
Period: 09/2009 - 09/2011
Role: Co-Investigator **% Effort:** 5
Total Costs: $664,178.00
Grant Detail: The goals of this project are to perform deep sequencing on a large set of biologically-nominated candidate genes/empirically-nominated genomic regions and to explore the genetic underpinnings of functional magnetic resonance imaging (fMRI.)

Project #: 1R01 HD058001-01
Funding Agency:
Title: Imaging Mechanisms of Rehabilitation in Apraxia of Speech: A multi-modality approach
Status: Pending
Period: 07/2009 - 06/2014
Role: Co-Investigator **% Effort:** 2
Total Costs: $424,884.00
Grant Detail: The overall goal is to combine neuroimaging and performance quantification to discover the neural mechanisms of action of speech rehabilitation using sound production treatment (SPT) in stroke induced apraxia of speech (SI-AOS).

Federal

Project #: R01 HD067740
Funding Agency: NIH
Title: GH Outcomes in Adults: Linking Molecular Pathology, Physiology, and Performance
Status: Pending
Period: 12/2010 - 11/2013
Role: Co-Principal Investigator **% Effort:**
Total Costs: $1,220,219.00
Grant Detail: This project will explore the effects of 12 months of GH treatment in treatment naïve adults with 18q deletions who documented incomplete myelination and GH deficiency. This project hypothesize that GH treatment will improve performance and myelination and that the mechanisms by which these improvements occur will be based in altered gene expression.

Project #:
Funding Agency: VA Merit/Parkinson RFA
Title: Mechanisms of Action of TMS-induced Performance Enhancement
Status: Pending
Period: 07/2010 - 06/2014
Role: Co-Investigator **% Effort:** 12.

Total Costs: $650,000.00
Grant Detail: The long-term goal of this research program is to use non-invasive methods to investigate the neurophysiological mechanism of action underlying non-pharmacological therapies for neurogical and psychiatric disorders. The overall goal of this proposal is to elucidate in persons with Parkinson's Disease the physiological adaptations induced by daily "training" of the cerebral motor system.

Project #:
Funding Agency: VA Merit/Parkinson RFA
Title: Mechanisms of Action of TMS-induced Performance Enhancement
Status: Pending
Period: 07/2010 - 06/2014
Role: Principal Investigator **% Effort:**
Total Costs: $2,600,000.00
Grant Detail: The long term goal of this research program is to use non-invasive recording methods to investigate the neurophysiological mechanism of action underlying non-pharmacological therapies for neurological and psychiatric disorders. The overall goal of this proposal is to elucidate in persons with Parkinson‘s Disease the physiological adaptations induced by daily "training" of the cerebral motor system.

Project #:
Funding Agency: VA Merit Renewal
Title: Neuroimaging in the Oklahoma Family Health Patterns Project
Status: Pending
Period: 04/2010 - 03/2014
Role: Co-Investigator **% Effort:** 5
Total Costs: $236,876.00
Grant Detail: The goal of this project is to develop a better understanding of central nervous system characteristics of persons at risk for alcoholism.

Project #:
Funding Agency: VA
Title: Neuroimaging in the Oklahoma Family Health Patterns Project.
Status: Active
Period: 04/2010 - 03/2014
Role: Co-Investigator **% Effort:**
Total Costs: $236,874.00
Grant Detail:

Project #: 1RO1HD067740-01
Funding Agency: NIH
Title: Mechanism of Action of Growth-Hormone-Induced Cognitive Improvement
Status: Pending
Period: 03/2010 - 12/2010
Role: Co-Principal Investigator **% Effort:**
Total Costs: $1,249,830.88
Grant Detail:

Project #:
Funding Agency: NIH/NIDCD

Title: Comprehensive Research in Neurobiology of Communication Sciences & Disorders
Status: Pending
Period: 09/2009 - 09/2011
Role: Principal Investigator **% Effort:** 1
Total Costs: $50,000.00
Grant Detail: This proposal is to recruit two new junior faculty (Assistant Professor level) positions into a Comprehension Facility for the Neurobiology of Communication Sciences and Disorders program.

Project #:
Funding Agency: NIH/NIBIB
Title: Comprehensive Facility for Animal Imaging Research
Status: Pending
Period: 09/2009 - 09/2011
Role: Co-Investigator **% Effort:** 1
Total Costs: $336,700.00
Grant Detail: This proposal is to recruit two top-caliber, junior faculty (tenure track Asst. Professors) in a Comprehensive Facility for Animal Imaging Research (CFAIR)

Project #:
Funding Agency: NIH
Title: Neuroimaging Bio-markers of Hispanic Cognitive Aging
Status: Pending
Period: 09/2009 - 09/2011
Role: Co-Investigator **% Effort:** 5
Total Costs: $939,895.00
Grant Detail: This proposal is to augment ongoing translational data collection with state of the art neuroimaging, including Central Nervous System (CNS) structural (3TMRI/DTI), functional metabolic (PET), and regional blood flow (ASL) briomarkers, in 500 Hispanic subjects.

Project #: UL1RR025767-02S3
Funding Agency: National Center for Research Resources
Title: Clinical and Translationsal Research Award (CTSA) from National Institutes of Health ARRA Supplemental Grant
Status: Active
Period: 09/2009 - 09/2011
Role: Principal Investigator **% Effort:**
Total Costs: $600,000.00
Grant Detail:

Project #:
Funding Agency: NIH - CTSA
Title: Institute for Integration of Medicine & Science: A Partnership to Improve Health
Status: Active
Period: 09/2009 - 08/2011
Role: Contributor **% Effort:** 5
Total Costs: $288,578.00
Grant Detail: The major goal of this Clinical and Translational Science Award (CTSA) is to create an Institute for Integration of Medicine and Science (IIMS) at UTHSCSA. Dr. Keller is responsible for coordinating Small Animal Imaging resources at the GCCRI and Director of the IIMS Small Animal

Imaging Program.

Project #: R01
Funding Agency: NIH
Title: Developing a Cognitive Paradigm Ontology: BrainMap and BIRN Integration
Status: Active
Period: 08/2009 - 06/2012
Role: Co-Investigator **% Effort:** 2
Total Costs: $225,197.00
Grant Detail: The objective of this proposal is to develop, evaluate and distribute a domain ontology of cognitive paradigms for application and use in the functional neuroimaging community.

Project #:
Funding Agency: NIH
Title: Meta-analysis in Human Brain Mapping
Status: Active
Period: 06/2009 - 09/2010
Role: Co-Investigator **% Effort:** 1
Total Costs: $59,600.00
Grant Detail: This is an administrative supplement for students and science educators under the recovery act. This supplement will heighten neuroscience career awareness among high school and undergraduate students and teachers; contribute new curricular elements for secondary science; and expand the literature included in the BrainMap database.

There is no scientific or budgetary overlap.

Project #: 1R21 NS062254
Funding Agency: NIH
Title: A Baboon Model of TMS/PET As a Vehicle for Rational Development of TMS Treatments
Status: Active
Period: 05/2009 - 04/2011
Role: Principal Investigator **% Effort:** 2
Total Costs: $175,000.00
Grant Detail: Ultimately, this work will lead to rational, theoretically grounded development of TMS as a treatment modality and as a tool for quantifying network property changes of TMS and other therapeutic modalities which modify local or network properties of neuronal populations.

Project #: W81XWH-08-2-0112
Funding Agency: Department of Defense
Title: STRONGSTAR NeuroImaging Core
Status: Active
Period: 09/2008 - 08/2013
Role: Principal Investigator **% Effort:** 7.5
Total Costs: $2,203,670.00
Grant Detail: This is the neuroImaging Core for the STRONGSTAR Multidisciplinary PTSD Research Consortium.

Project #: R01
Funding Agency: NIH
Title: Genetics of Brain Structure and Function: Genome-Wide Association

Status: Active
Period: 09/2008 - 06/2013
Role: Co-Investigator **% Effort:** 1
Total Costs: $589,372.00
Grant Detail: The goal of this project is to identify genes that influence variation in brain structure and funtion using high-density genome-wide association (GWA) analysis. The ultimate promise of this research is the discovery of genes that predispose to brain disorders and mental illnesses.

Project #: R01HD058714-01
Funding Agency: National Institute of Health
Title: Neurobiology of Random Practice Benefits to Motor Learning and Apraxia Treatment
Status: Pending
Period: 07/2008 - 06/2013
Role: Co-Investigator **% Effort:**
Total Costs: $481,338.00
Grant Detail: The goal of the present proposal is to combine neuroimaging and performance quantification to discover the neural mechanisms of action of motor learning.

To examine functional and structural brain imaging to delineate the neurobiology of enchanced motor learning with random practice.

Project #: U54 RR024387-01
Funding Agency: NIH
Title: Clinical and Translational Science Award
Status: Active
Period: 05/2008 - 04/2013
Role: Co-Investigator **% Effort:** 5
Total Costs: $415,073.00
Grant Detail: CTSA "Institute for Integration for Medicine & Science: A Partnership to Improve Health"
The mission of the Institute for Integration for Medicine (IIMS) is sharply focused on public health. Indeed, our primary vision is to work closely with all partners to translate the results of our academic and community-based research for the direct benefit of our regional population.

Project #: R01MH080912
Funding Agency: NIMH
Title: Influence of Psychosis of Brain-Behavior Endophenotypes for Bipolar Disorder.
Status: Active
Period: 05/2008 - 01/2013
Role: Co-Investigator **% Effort:** 1
Total Costs: $3,362,383.00
Grant Detail: The goal of this study was to establish biomarkers that could improve the identification and treatment of bi-polar I disorder patients.

Project #: 1P50MH07950601A1
Funding Agency: NIMH
Title: South Texas Interdisciplinary Science Center on Pediatric Mood Disorders (PI: Delgado, Pedro)
Status: Not Funded
Period: 10/2007 - 09/2012

Role: Co-Investigator **% Effort:** 5
Total Costs: $10,994,702.00
Grant Detail: This 5-year NIH P50 center grant proposal will focus on the neurobiology of pediatric mood disorders and co-occurring psychiatric conditions such as ADHD and substance abuse.

Project #: R01 DC001150
Funding Agency:
Title: Efficacy of Voice Treatment for Parkinsonâ€˜s Disease
Status: Active
Period: 09/2007 - 08/2012
Role: Principal Investigator **% Effort:** 2
Total Costs: $474,535.00
Grant Detail: Parkinsonâ€˜s Disease (PD) hypophonia and dysprosodia improve with LSVT. The central mechanisms involved in such treatment effects are unknown. In the present project, these mechanisms will be investigated in 10 PD patients pre- and post-LSVT and 10 matched controls with behavior and functional neuroimaging (Positron Emission Tomography or PET).

Project #: 1R21 NS054916-01
Funding Agency: NIH/NINDS
Title: Measurement of Absolute Cerebral Blood Volume using Magnetic Resonance Imaging
Status: Active
Period: 02/2007 - 01/2010
Role: Co-Investigator **% Effort:** 5
Total Costs: $443,645.00
Grant Detail: The long term goal of the project is to establish a robust and accurate MRI method for estimating absolute cerebral blood volume (CBV) and to use the technique for clinical studies of brain diseases, such as acute stroke and alzheimerâ€˜s disease.

Project #: HR001107C0027
Funding Agency: DARPA
Title: Comprehensive Facility for Animal Imaging Research (CFAIR): A Testbed for Independent Verifications and Validations for DARPA Programs
Status: Active
Period: 01/2007 - 09/2010
Role: Co-Investigator **% Effort:**
Total Costs: $4,099,973.00
Grant Detail: The overall goal of this project is to create a Comprehensive Facility for Animal Imaging Research (CFAIR) to complement the capabilities of its Research Imaging Center (RIC).

Project #: 1K01 EB006141-01
Funding Agency: NIH/BIBIB
Title: Investigating the Effect of Baseline in Human Brain Mapping Using Meta-Analysis
Status: Pending
Period: 12/2006 - 11/2011
Role: Co-Investigator **% Effort:**
Total Costs: $680,723.00
Grant Detail:

Project #:
Funding Agency: NIH

Title: Interdisciplinary Partnering in Science
Status: Pending
Period: 12/2006 - 11/2010
Role: Co-Investigator **% Effort:**
Total Costs: $1,431,779.00
Grant Detail:

Project #: 1 R01NS057040-01
Funding Agency: NIH/NCBC
Title: Genomic Imaging in Extended Pedigrees: Tools and Proof of Principle
Status: Pending
Period: 12/2006 - 11/2009
Role: Principal Investigator **% Effort:**
Total Costs: $2,010,182.00
Grant Detail:

Project #:
Funding Agency: NNIH
Title: South Texas IDSC on Pediatric Mood Disorders
Status: Pending
Period: 10/2006 - 09/2011
Role: Co-Investigator **% Effort:**
Total Costs: $10,995,297.00
Grant Detail:

Project #: 1R01 MH078143
Funding Agency: NIH/NIMH
Title: Genetics of Brain Structure and Function
Status: Active
Period: 08/2006 - 07/2011
Role: Co-Investigator **% Effort:** 5
Total Costs: $2,150,835.00
Grant Detail: The goal of this project is to identify quantitative trait loci associated with variation in brain structure and function. Our specific aims are to: 1) perform high quality MRI and neuropsychological examinations on 1,000 previously genotyped Mexican American individuals, from 30 extended families, who have been part of our ongoing genetic research studies for the past 15 years, 2)assess the quantitative genetic architecture of brain-related phenotypes by estimating their heritabilities and their genetic correlations,3)classify specific brain morphological variables and quantitative leukocyte-derived gene expression measures and endophenotypes related to brain function, 4)localize QTLs influencing variation in the quantitative brain related phenotypes by performing linkage-based genome scanning using the variance component method 5) refine the position of localized QTLs and identify positional candidate loci using an objective prioritization strategy that jointly utilizes in silico bioinformatics, genetic,
and transcriptional data, and 6) identify the most likely functional variations within the two best positional candidate genes.

OVERLAP: There is no scientific or budgetary overlap.

Project #: New
Funding Agency: VA
Title: VA Merit: Mechanisms of Action of TMS-Induced Performance Enhancement

Status: Active
Period: 07/2006 - 06/2010
Role: Principal Investigator **% Effort:**
Total Costs: $125,000.00
Grant Detail: The oveal goal of this project is 1) to determine the mechanisms of action of short-term (single stimulation session) TMS-induced performance enhancement. 2)To determine the mechanisms of action of long-term (multiple stimulation sessions) TMS-induced performance enhancement.

OVERLAP: There is no scientific or budgetary overlsap.

Project #: 1R01 DC007893
Funding Agency: NIH/NIDCD
Title: Stuttering Therapy & Neurophysiological Interaction
Status: Active
Period: 02/2006 - 01/2011
Role: Co-Investigator **% Effort:** 15
Total Costs: $1,530,685.00
Grant Detail: The overall goal constitutes a Phase II treatment efficacy study that will also determine the need for a Phase III treatment trial.

OVERLAP: there is no scientific or budgetary overlap.

Project #: R01 DC007893
Funding Agency: National Institute of Health
Title: Postdoctoral fellow: A. Jacks. Stuttering Therapy and Neurophysiological Interaction
Status: Active
Period: 02/2006 - 01/2011
Role: Co-Investigator **% Effort:**
Total Costs:
Grant Detail:

Project #:
Funding Agency: VA Merit Review
Title: Neuroimaging in the Oklahoma Family Health Patterns Project
Status: Active
Period: 10/2005 - 03/2014
Role: Co-Investigator **% Effort:** 4
Total Costs: $500,000.00
Grant Detail: Specifically this study aims to: a) select a sample of volunteers from the ongoing parent study that represent clearly defined or prototypical positive family history of alcoholism and negative history of alcoholism to minimize confounding variables and to increase the reliability of risk-group comparisons in the proposed imaging studies; b) perform structural magnetic resonance imaging comparing groups on: Dimensions and volume of subgenual prefrontal cortex, anterior cingulate gyrus, medial temporal gyrus, hippocampus, and striatopallidal subcortical groups; c) perform studies of regional glucose metabolism during quiet rest with a focus on the areas of interest; d) assess metabolic activity in these regions during tasks sensitive to affective states, decision making and risk taking; e) examine existing data from the ongoing parent study in light of neuroimaging results.

Project #: mh0 74457_01

Funding Agency: VA Merit
Title: Mechanisms of Action of TMS-Induced Performance Enchancement
Status: Active
Period: 10/2005 - 09/2009
Role: Co-Investigator **% Effort:** 15
Total Costs: $710,600.00
Grant Detail: The overall goal of this project is 1) to determine the mechanisms of action of short-term (single stimulation session) TMS-induced performance enhancement, 2) to determine the mechanisms of action of long-term (multiple stipulation sessions) TMS-induced performance enhancement.

Project #:
Funding Agency: VA Merit
Title: Neuroimaging in the Oklahoma Health Patterns Project
Status: Active
Period: 10/2005 - 09/2009
Role: Co-Investigator **% Effort:**
Total Costs: $500,000.00
Grant Detail: VA Merit Proposal

Project #: 2R01 MH074457
Funding Agency: NIH
Title: Meta-analysis in Human Brain Mapping
Status: Active
Period: 09/2005 - 05/2015
Role: Co-Principal Investigator **% Effort:** 1
Total Costs: $2,499,995.00
Grant Detail: The overall goal of this project is to develop, evaluate, distribute and apply tools for quantitative meta-analysis of the human functional brain mapping (HFBM) literature.

Project #: R01 MH69856
Funding Agency: NIH/NIMH
Title: Genetics of Bipolar Disorder in Latino Populations. My participation ended in July 2008 as I began my work at the VA
Status: Active
Period: 09/2005 - 07/2010
Role: Contributor **% Effort:**
Total Costs: $6,373,314.00
Grant Detail: Study aimed to ascertain 385 pedigrees with two or more cases of diagnosed bipolar I disorder from the Latino population throughout the Southwestern United States, Mexico and Central America and to use diagnostic and endophenotypic data to search for genes predisposing to bipolar disorder.

Role description: To lead the best estimation process.

Project #: 1T35NS051166
Funding Agency: NIH
Title: Neuroscience Training Program
Status: Active
Period: 07/2005 - 06/2010
Role: Principal Investigator **% Effort:** 1

Total Costs: $83,974.00
Grant Detail: The overall goal of the program is to train medical students for independent careers in basic and translational research.

Project #: 1R21 NS050486-01
Funding Agency: NINDS
Title: O-15 PET Assessment of Stroke Dynamics & Therapy in Rats (20040130).
Status: Complete
Period: 07/2005 - 05/2008
Role: Principal Investigator **% Effort:** 10
Total Costs: $362,700.00
Grant Detail: Application of the PET-based metabolic rate, blood flow measurements techniques to stroke models using rats

Project #: 2R13 MH62008
Funding Agency: NIH/NIMH
Title: International Conference on Functional Mapping of the Human Brain
Status: Active
Period: 06/2005 - 05/2010
Role: Principal Investigator **% Effort:** 10
Total Costs: $500,000.00
Grant Detail: Funding requested for student travel stipends to attend the annual meeting of the Organization for Human Brain Mapping. The mission of the OHBM is to promote the field of structural and functional brain mapping.

Project #: 1ROI MH074143-91
Funding Agency: NIH
Title: Neuronal Population Modeling with TMS, PET, and EMG
Status: Pending
Period: 04/2005 - 03/2010
Role: Principal Investigator **% Effort:**
Total Costs: $2,244,734.00
Grant Detail:

Project #: 1T32EB0008171A10
Funding Agency: NIH/NRSA
Title: Multidisciplinary Training Program in Human Imaging
Status: Active
Period: 09/2004 - 08/2009
Role: Contributor **% Effort:**
Total Costs: $695,171.00
Grant Detail: The program will train graduate students in Radiological Sciences.

Project #: 1ROI EB004753-01
Funding Agency: NIH/NIBIB
Title: Development and Optimization of Magnetic source MRI (msMRI)
Status: Complete
Period: 09/2004 - 08/2007
Role: Contributor **% Effort:**
Total Costs: $655,702.00

Grant Detail: The goals of this project will focus on the improvement and dissemination of a unique imaging methodology, the intellectual merit of the proposed studies involve enhancement of the biophysical models used to predict the net electromagnetic of populations of neuron, determining if linear systems methods can be used to analyze these data, and better typifying the functional relationship between spatially distant regions in the living human brain.

Project #: 1RO1 EB004753-01
Funding Agency: NIMH
Title: Center for Improved Treatments in Bipolar Disorder (Bipolar Illness Intervention in Hispanic Communities)
Status: Active
Period: 08/2004 - 04/2009
Role: Contributor **% Effort:**
Total Costs: $2,470,727.00
Grant Detail:

Project #: 5- P20 MH68662
Funding Agency: NIMH
Title: Center for Improved Treatments in Bipolar Disorder
Status: Active
Period: 07/2004 - 04/2009
Role: Co-Investigator **% Effort:**
Total Costs: $2,436,218.00
Grant Detail: This academic-community collaboration seeks to enhance understanding of effective treatments for bipolar disorder. Specific aims are to develop the research infrastructure, implement procedures to enhance the integration of the community practice perspective in our research program, and develop a strategic planning, evaluation and advisory committee structure to keep our program on track during a period of sustained development. Core research projects involve pharmaceutical development, genetics research, and brain imaging, which are supplemented annually by pilot projects.

Project #: 3 MOIRR001346-23
Funding Agency: NIH/GCRC
Title: General Clinical Research Center Imaging Core
Status: Complete
Period: 04/2004 - 05/2008
Role: Co-Investigator **% Effort:**
Total Costs: $2,546,969.00
Grant Detail:

Project #: 2ROI DC001150
Funding Agency: NIH
Title: Efficacy of Voice Treatment for Parkinsonï¿½s Disease
Status: Active
Period: 04/2004 - 03/2008
Role: Contributor **% Effort:**
Total Costs: $248,413.00
Grant Detail: Parkinsonâ€˜s Disease (PD) hypophonia and dysprosodia improve with LSVT. The central mechanisms involved in such treatment effects are unknown. In the present project, these mechanisms will be investigated in 10 PD patients pre- and post-LSVT and 10 matched controls with behavior and functional neuroimaging (Positron Emission Tomography or PET).

Project #: 9POI EB001955-01
Funding Agency: NIH/NIMHealth
Title: A Probabilistic Reference System for the Human Brain
Status: Complete
Period: 07/2003 - 06/2008
Role: Co-Investigator **% Effort:**
Total Costs: $905,716.00
Grant Detail: In this new proposal we add to our existing collection of human brain attributes the important features of white matter tracts, cerebral vasculature and chemoarchitecture, all collected both microscopically in post mortem specimens as well as in vivo using tomographic techniques.

Project #: BCS-0225711
Funding Agency: NSF
Title: Imaging Mechanisms of Action in Motor Learning
Status: Complete
Period: 10/2002 - 09/2006
Role: Co-Investigator **% Effort:**
Total Costs: $739,313.00
Grant Detail:

Project #: 1ROINS46082-01
Funding Agency: NIH/NIMH
Title: Influence of Processing Tools on fMRI Metanalyses
Status: Complete
Period: 09/2002 - 08/2006
Role: Contributor **% Effort:**
Total Costs: $943,920.00
Grant Detail:

Project #: ROI AR49125
Funding Agency: NIH
Title: Neuropsychiatric Systemic Lupus Erythmatosus (Brain Connections)
Status: Complete
Period: 07/2002 - 06/2007
Role: Co-Investigator **% Effort:**
Total Costs: $433,922.00
Grant Detail: The major goal of this project is to study risk factors for cognitive dysfunctin in an inception cohort of 100 SLE patients. Patients will be enrolled within 9 months of SLE diagnosis, adnwill b estudied for biomarkers, FDG-PET and anatomic MRI. the study design for this study is similar though not identical to the present study.

Project #: MO1 RR01346-19
Funding Agency: NIH/GCRC
Title: GCRC Imaging Core Supplement
Status: Complete
Period: 06/2002 - 03/2004
Role: Co-Investigator **% Effort:**
Total Costs: $824,267.00
Grant Detail:

Project #: R21NS43738
Funding Agency: NIH/NINDS/NIDCD
Title: Imaging and Modeling Therapeutic Mechanisms of Action
Status: Complete
Period: 12/2001 - 02/2005
Role: Principal Investigator **% Effort:**
Total Costs: $351,159.00
Grant Detail:

Project #: 5ROIAG19949
Funding Agency: NIH/NIA
Title: Does CR Alter the Metabolic Rate of Specific Tissues
Status: Complete
Period: 09/2001 - 08/2005
Role: Co-Investigator **% Effort:**
Total Costs: $1,403,768.00
Grant Detail:

Project #: R13MH62008
Funding Agency: NIH/NIBIB
Title: International Conference on Mapping of the Human Brain
Status: Active
Period: 09/2000 - 05/2010
Role: Principal Investigator **% Effort:**
Total Costs: $500,000.00
Grant Detail: Funding requested for student travel to attend the annual meeting of the Organization for Human Brain Mapping. The mission of the OHBM is to promote the field of structural and functional brain mapping.

OVERLAP: There is no scientific or budgetary overlap.

Project #: 1ROILM06858-01
Funding Agency: National Library of Medicine
Title: Metanalysis in Cognitive Neuroimaging: Methods Validations
Status: Complete
Period: 03/2000 - 02/2004
Role: Principal Investigator **% Effort:**
Total Costs: $1,093,744.00
Grant Detail:

Project #: 5 ROIMH60246
Funding Agency: NIMH
Title: Robotic Image-Guided Transcranial Magnetic Stimulation
Status: Complete
Period: 09/1999 - 05/2003
Role: Principal Investigator **% Effort:**
Total Costs: $793,713.00
Grant Detail:

Project #: ROIDC03689-01A1
Funding Agency: NIMH
Title: Investigating the Neural Bases of Chronic Stuttering
Status: Complete
Period: 12/1998 - 05/2002
Role: Co-Investigator **% Effort:**
Total Costs: $384,364.00
Grant Detail:

Project #: 5ROINS21889-17
Funding Agency: NIH
Title: Neurobehavioral Outcome of Head Injury in Children
Status: Complete
Period: 09/1998 - 08/2002
Role: Co-Investigator **% Effort:**
Total Costs: $112,472.00
Grant Detail:

Project #: 1ROINS37109-01A1
Funding Agency: NIH
Title: Neuroimaging and Electrophysiology of the Cerebellum
Status: Complete
Period: 09/1998 - 04/2002
Role: Co-Investigator **% Effort:**
Total Costs: $225,750.00
Grant Detail:

Project #: PO1EB001955
Funding Agency: NIBIB
Title: A Porbabilistic Reference System for the Human Brain
Status: Complete
Period: 07/1993 - 06/2008
Role: Co-Principal Investigator **% Effort:**
Total Costs: $895,498.00
Grant Detail:

Project #: POIMH52176
Funding Agency: NIMH
Title: A Probabilistic Reference System for the Human Brain (Supplemental to Consortium)
Status: Complete
Period: 07/1993 - 06/2003
Role: Co-Principal Investigator **% Effort:**
Total Costs:
Grant Detail:

Project #: P50MH79506-01-A1
Funding Agency: NIMH
Title: South Texas Interdisciplinary Developmental Science Center (IDSC) on Pediatric Mood Disorders
Status: Not Funded

Period: / - Present
Role: Co-Investigator **% Effort:** 10
Total Costs: $9,988,841.00
Grant Detail: This resubmission of the 5-year NIH P50 center grant proposal (PI: Delgado) will focus on the neurobiology of pediatric mood disorders and co-occurring psychiatric conditions such as ADHD and substance abuse.

Private

Project #: HR0011-07-C-0027
Funding Agency: United States DOD
Title: Comprehensive Facility for Animal Imaging Research (CFAIR): A testbed for independent verifications and validations for DARPA programs.
Status: Active
Period: 01/2007 - 09/2009
Role: Principal Investigator **% Effort:** 15
Total Costs: $4,099,973.00
Grant Detail: The overall goal of this project is to create a comprehensive facility for Animal Imaging Research (CFAIR) to complement the capabilities of its Research Imaging Center (RIC).

OVERLAP: There is no scientific or budgetary overlap.

Project #:
Funding Agency: San Antonio Area Foundation
Title: Can cognitive tests predict brain indicators of mild cognitive impairment and Alzheimer‘s disease?
Status: Complete
Period: 08/2005 - 07/2007
Role: Co-Investigator **% Effort:**
Total Costs: $28,800.00
Grant Detail:

Project #:
Funding Agency: Howard Hughes Medical Enrichment
Title: BrainMap Workshop ‘98
Status: Complete
Period: 09/1998 - 01/1999
Role: Principal Investigator **% Effort:**
Total Costs: $2,500.00
Grant Detail:

Project #:
Funding Agency: University of Oxford, London
Title: Functional Imaging of Brain Areas Involved in Ambient Vision
Status: Complete
Period: 06/1998 - 12/1998
Role: Principal Investigator **% Effort:**
Total Costs: $10,000.00
Grant Detail:

Project #:

Funding Agency: The Charles A. Dana Foundation
Title: PET/TMS Mapping of the Neural Circuity of Developmental Stuttering
Status: Complete
Period: 01/1998 - 12/2000
Role: Principal Investigator **% Effort:**
Total Costs: $99,996.00
Grant Detail:

Project #:
Funding Agency: Howard Hughes Medical Enrichment
Title: BrainMap Workshop '97
Status: Complete
Period: 09/1997 - 01/1998
Role: Principal Investigator **% Effort:**
Total Costs: $5,000.00
Grant Detail:

Project #:
Funding Agency: Southwest Foundation (The Mather‘s Foundation)
Title: Hunger for Air
Status: Active
Period: 08/1997 - Present
Role: Co-Investigator **% Effort:**
Total Costs: $259,500.00
Grant Detail:

Project #:
Funding Agency: EJLB Foundation
Title: Postdoctoral training program in human behavioral neuroimaging
Status: Complete
Period: 07/1993 - 06/1998
Role: Principal Investigator **% Effort:**
Total Costs: $176,800.00
Grant Detail:

State

Project #:
Funding Agency: SALSI
Title: Neural Mechanisms of Musle Contractions
Status: Complete
Period: 06/2005 - 05/2007
Role: Co-Investigator **% Effort:**
Total Costs: $160,416.00
Grant Detail:

Project #:
Funding Agency: SALSI
Title: Effects of Transcranial Magnetic Stimulation on Single Neuron
Status: Complete

Period: 09/2004 - 08/2005
Role: Co-Investigator **% Effort:**
Total Costs: $178,701.00
Grant Detail:

Project #: N/A
Funding Agency: MeRF Award
Title: Meta-analysis in Cognitive Neuroimaging
Status: Complete
Period: 07/2004 - 06/2005
Role: Principal Investigator **% Effort:**
Total Costs: $40,000.00
Grant Detail:

PATENTS:

Patent Date	Description	Patent Category
08/2006	, Patent#: 7,087,008 B2, Co-Inventor(s): Jack Lancaster	Engineering/Mechanical
10/2004	, Patent#: 10/977,405, Co-Inventor(s): Jack Lancaster	Engineering/Mechanical
09/2003	, Patent#: 10/666,162, Co-Inventor(s): Jinhu Xiong and Jia-Hong Gao	Engineering/Mechanical
05/2002	Apparatus and Methods for Delivery of Transcranial Magnetic Stimulation, Patent#: 60/288,670, Co-Inventor(s): Jack Lancaster, PhD and Stephen Dodd	Engineering/Mechanical

SERVICE

ADMINISTRATIVE RESPONSIBILITIES:

Dates	Type	Description	Role
01/2003-01/2005		Animal Imaging Division	Other
Interim Chief			
01/2003-Present		Clinical Neuroscience Program	Other
Chief			
01/1999-12/2003		Transcranial Magnetic Stimulation Laboratory	Other
Chief			
01/1992-12/1997		Magnetic Resonance Imaging Division, Research Imaging Center	Other
Acting Chief			
01/1991-12/2001		Imaging Research Division, Radiology	Other

		Department	
Chief			
01/1991-12/1997		Emission Imaging Division, Research Imaging Center	Other
Chief			
01/1991-Present		Research Imaging Center	Director
01/1991-Present	Staff Supervised	Faculty and Staff, Research Imaging Center	

SERVICE TO THE PROFESSION:

Dates	Type	Description	Role
06/2006-06/2007	International	Organization for Human Brain Mapping	Chair
06/2004-06/2005	International	Organization for Human Brain Mapping	Chair
06/2003-06/2004	International	Organization for Human Brain Mapping	Chair-Elect
01/2002-Present	National	The Cerebellum	Editorial Board Member
06/2000-06/2001	International	Organization for Human Brain Mapping	Chair
06/1999-06/2000	International	Organization for Human Brain Mapping	Chair-Elect
01/1999-Present	National	Society for Cerebral Blood Flow and Metabolism	Board Member
01/1997-12/1998	International	Organization for Human Brain Mapping	Council Member
01/1996-12/1997	National	Organization for Human Brain Mapping	Other
Interim Council			
01/1995-Present	National	Organization for Human Brain Mapping	Other
Scientific Board Member			
01/1995-Present	National	NeuroImage	Editorial Board Member
01/1992-Present	National	Human Brain Mapping	Editor
01/1992-Present	National	Sixth Annual Meeting of the Organization for Human Brain Mapping	Other
Local Organizing Committee Chair			

/ -Present	National	American Journal of Physiology	Reviewer
/ -Present	National	Annals of Neurology	Reviewer
/ -Present	National	Brain	Reviewer
/ -Present	National	Cerebral Blood Flow and Metabolism	Reviewer
/ -Present	National	Cerebral Cortex	Reviewer
/ -Present	National	Experimental Brain Research	Reviewer
/ -Present	National	Human Brain Mapping	Reviewer
/ -Present	National	Journal of Applied Physiology	Reviewer
/ -Present	National	Journal of Cognitive Neuroscience	Reviewer
/ -Present	National	Journal of Comparative Neuroscience	Reviewer
/ -Present	National	Journal of Neurophysiology	Reviewer
/ -Present	National	Journal of Nuclear Medicine	Reviewer
/ -Present	National	Journal of Neuropsychiatry	Reviewer
/ -Present	National	Journal of Speech, Language & Hearing Research	Reviewer
/ -Present	National	Nature	Reviewer
/ -Present	National	Neurology	Reviewer
/ -Present	National	Neuroscience Letters	Reviewer
/ -Present	National	NeuroImage	Reviewer
/ -Present	National	Science	Reviewer
/ -Present	National	NINDS/NIH Grant, CMA Massachusetts General Hospital	Consultant
PI: David Kennedy, Ph.D.			
/ -Present	National	USC Human Brain Project, University of Southern California	Other
Director: Michael Arbib, Ph.D.; *External Advisory Board*			
/ -Present	National	Program Project Grant, Medical College of Wisconsin	Other

PI: James Hyde, Ph.D.;
External Advisory Board

/ -Present National Center for Functional Brain Imaging, Massachusetts General Hospital Other

PI: Bruce Rosen, Ph.D.;
External Advisory Board

/ -Present National Center for Biological Basis of ADHD, University of California at Irvine Other

PI: Jim Swanson;
External Advisory Board

/ -Present National NIH Biotechnology Grant, University of Minnesota Medical School Other

PI: Kamil Ugurbil, Ph.D.;
External Advisory Board

/ -Present National Program Project Grant, University of Pittsburg Medical Center Other

PI: Keith Thulborn, Ph.D.;
External Advisory Board

/ -Present National Computational database for the hippocampal formation, University of Texas at San Antonio Consultant

Director: Brenda Claiborne, Ph.D.

/ -Present National Human Brain Project, Washington University School of Medicine Consultant

PI: David Van Essen, Ph.D.

/ -Present National Scientific Development Award for Cliniciants, Massachusetts General Hospital Consultant

Scott Rauch, M.D.

/ -Present National Imaging Core for the UCLA Clinical Research Center Other

PIs: John Mazziotta, M.D., Arthur Toga, Ph.D.;
External Advisory Board

/ -Present National Tulane-LSU-VA Cognitive Neuroimaging Research Center Other

PI: Anne L. Foundas, M.D.;
External Scientific Advisory Board

SERVICE TO THE PUBLIC:

Dates	Type	Description	Role
01/2000-Present	Community	Mind Science Foundation Board of Directors	Member
01/1995-12/1997	Community	Greater San Antonio Chamber of Commerce Medical Steering Committee	Member
01/1994-12/1997	Community	San Antonio State Hospital Research Advisory Panel	Member

GRANT REVIEWS:

Dates	Granting Agency	Panel Name	Role
03/2010-03/2010	NIH	Cognition, Language and Perception Fellowship (F12A-E) Study Section	External Reviewer
02/2010-02/2010	NIH	Clinical and Integrative Diabetes and Obesity Study Section	External Reviewer
08/2009-08/2009	NIH	Neuroimaging in Obesity Research	External Reviewer
07/2009-07/2009	NIH	NIHG/F12A Fellowship Review	External Reviewer
02/2009-03/2009	NIH	F12A Fellowship Review	External Reviewer
07/2008-07/2008		F12A NIH Fellowship Review Group	External Reviewer
07/2008-07/2008	NIH	ZRG1 F12 A Cognition, Language and Perception Fellowships Review Panel	External Reviewer
01/2007-03/2007		Special Emphasis Panel ZMHI ERB-N 04 S-NIMH P50 Translational Research Cen	External Reviewer
03/2006-03/2006		P50 TRCBS Applications Review	External Reviewer
12/2005-12/2005		Special Emphasis Panel to Review Applications on Collaborations with Nation	External Reviewer
08/2005-09/2005	Department of Veteran Affairs	Merit Review Subcommittee for Gulf War Research-B	Member
03/2005-03/2005	NIH	R13 Conference Grant Review Panel	External Chair
03/2005-03/2005	NIH	Motor Function Speech & Rehabilitation Study Section	External Reviewer
01/2002-12/2002	NIH	Cognitive Neuroimaging Special Emphasis Panel	External Reviewer
01/2002-12/2002	NIH	Special Emphasis Panel ZRG1-SRB Study Section	External Reviewer
01/2001-12/2001	NIMH	Conte Center Reviews	External Reviewer
01/2000-12/2000	NIMH	Conte Center Reviews	External Reviewer
01/2000-12/2000	NIH, NIEHS	Division of Extramural Research & Training	External Reviewer
01/2000-12/2000	NIH, NINDS	Panel on Mitochondrial Function and Neurodegeneration	External Reviewer
01/1998-	NIH, NINDS	Neurological Sciences and Disorders B Review	External

12/1998		Group	Reviewer
01/1998-12/1998	Medical Research Council of Canada		External Reviewer
01/1997-12/1997	NIH/NINDS	Neurological Disorders Project Review B Committee	External Reviewer
01/1995-12/1995	National Institute of Mental Health (NIMH)	Clinical Neuroscience and Biological Psychopathology (CNBP)	External Reviewer
01/1994-12/1994	Department of Energy (DOE)	Small Business Innovation Research (SBIR)	External Reviewer
01/1993-12/1993	Department of Energy	Small Business Innovation Research	External Reviewer
01/1992-12/1992	National Institute of Mental Health (NIMH)	Alcohol, Drug Abuse, and Mental Health Administration (ADMHA)	External Reviewer

PROFESSIONAL AFFILIATIONS:

Dates	**Organization**
01/2002-Present	Southwest National Primate Research Center
01/2001-Present	San Antonio Cancer Institute
01/2000-Present	American Association for the Advancement of Science
01/2000-Present	American Medical Informatics Association
01/1997-Present	Texas Neurological Society
01/1996-Present	American Medical Association
01/1995-12/2004	Bexar County Medical Society
01/1995-12/2004	American Psychological Society
01/1995-Present	Texas Medical Association
01/1994-Present	Cognitive Neuroscience Society
01/1993-12/2002	The Academy of Molecular Imaging

Additional Details: *(formerly: Institute for Clinical PET)*

01/1992-12/2002	American Society of Neuroimaging
01/1992-Present	Society for Neuroscience, Alamo Chapter
01/1991-Present	International Society for Magnetic Resonance Imaging
01/1989-Present	Society of Nuclear Imaging
01/1987-Present	International Brain Research Organization

01/1987-Present	Central Society for Neurological Research
01/1987-Present	Clinical Sleep Society
01/1985-Present	Society for Neuroscience
01/1985-Present	Society for Cerebral Blood Flow and Metabolism
01/1983-Present	Missouri State Neurological Association
01/1983-Present	St. Louis Society of Neurological Science
01/1981-Present	American Academy of Neurology
/ -Present	International Society for Cerebral Blood Flow and Metabolism

Additional Details: *Board of Directors Member*

/ -Present Council to form the Organization for Human Brain Mapping

Additional Details: *Founding Member*

COMMITTEES (UTHSCSA Standing Committees):

DEPARTMENT

Dates	Committee	Role
01/1998-Present	Committee on Graduate Studies	Member
01/1994-Present	Committee on Graduate Studies	Member
01/1992-Present	Protocol Review	Chair
01/1991-Present	Policy Advisory	Member

UNIVERSITY

Dates	Committee	Role
05/2008-Present	University Core Research Facilities Committee	Member
04/2005-Present	University Research Council	Member
01/1999-Present	Radiation Safety Committee	Member

COMMITTEES (OTHER):

DEPARTMENT

Dates	Committee	Role
04/2007-Present	UT System Office of Research and Technology Transfer, UT System, Austin, San Antonio, Pan Am, Brownsville, Permain Basin, El Paso	Member at large

01/2003-08/2008	Doctoral Dissertation Committee: Kihak Lee, UTHSCSA, Biomedical Engineer, Research Imaging Center	Chair
01/2003-08/2008	Doctoral Dissertation Committee: Felipe Salinas, UTHSCSA, Biomedical Engineer, Research Imaging Center	Member
01/2003-Present	COGS Program Review Committee, UTHSCSA, Medicine, Radiology	Member
01/1999-05/2008	Doctoral Dissertation Committee: Michael Martinez, UTHSCSA, Neuroscience Track, Radiology	Chair
01/1999-12/2005	Doctoral Dissertation Committee: Hugo Sandoval, UTHSCSA, Neuroscience Track, Radiology	Chair
01/1999-01/2004 *Supervisor*	Doctoral Dissertation Committee: Seonghwan Yee, UTHSCSA, Ph. D. Program, Radiology	Other
01/1999-12/2003	Doctoral Dissertation Committee: Ching-Mei Janet Feng, UTHSCSA, Ph.D. Program, Radiology	Member
01/1998-12/1999	Post & Tenure Evaluation Committee, UTHSCSA, Radiology	Member
01/1998-12/1999	Post Tenure Evaluation Committee (PTEC), UTHSCSA	Member
01/1996-01/2006	Radiology Tenure and Promotion Committee, University of Texas Health Science Center, Medicine, Radiology	Member
01/1996-12/1999	Doctoral Dissertation Committee: Lisa Nickerson, UTHSCSA, Medical Physics Program, Radiology	Member
01/1995-12/2001	Doctoral Dissertation Committee: Mohammed Hasnain, M.D., UTHSCSA, Ph.D. Program, Physiology	Chair
01/1995-12/1999	Doctoral Dissertation Committee: Yijin Liu, UTHSCSA, Ph. D. Program, Physiology	Chair
01/1994-12/1998	Doctoral Dissertation Committee: Lisa Lemen, UTHSCSA, Medical Physics Program, Radiology	Member
01/1993-12/1998	Doctoral Dissertation Committee: Kevin Orang-Khadivi, Medical Physics Program, Radiology	Member
01/1993-12/1995	Masters' Thesis Committee: Babu Lankipalli, Medical Physics Program, Radiology	Chair
01/1993-12/1995	Doctoral Dissertation Committee: Craig Herndon, Medical Physics Program, Radiology	Member
01/1993-12/1994	Doctoral Dissertation Committee: Hunter Downs, B.S., Medical Physics Program, Radiology	Member
01/1993-12/1994	Doctoral Dissertation Committee: Majeid Alyassin, Medical Physics Program, Radiology	Member
01/1992-12/1995	Doctoral Dissertation Committee: Jinhu Xiong, Medical Physics Program, Radiology	Chair

01/1992-12/1994	Masters' Thesis Dissertation Committee: T.C. Ondracek, UTHSCSA	Co-Chair
01/1992-Present	Scientific Advisory Board of the Research Imaging Center, UTHSCSA	Chair
01/1991-Present	Graduate Faculty Radiology (COGS), UTHSCSA, Radiology	Member

OTHER

Dates	**Committee**	**Role**
01/2006-Present	Executive Committee for program project entitled "Neuroimaging Acupuncture Effects on Human Brain Activity"	Member
01/2004-01/2005	Organization for Human Brain Mapping	Chair
01/2003-01/2004	Organization for Human Brain Mapping	Chair Elect

SCHOOL

Dates	**Committee**	**Role**
01/1998-12/1999	Masters' Thesis Committee: Jason Collins, UTHSCSA, Masters Program, Cellular and Structural Biology	Chair

UNIVERSITY

Dates	**Committee**	**Role**
03/2003-Present	Center for Biomedical NeuroScience, UTHSCSA, Graduate, Pharmacology	Member
01/2003-03/2005	Psychiatry Chair Search Committee, UTHSCSA	Member
01/2003-Present	Neurosurgical Sciences Director Search, UTHSCSA	Member
01/2003-Present	Harlingen Clinical Research Center	Member
01/2002-03/2005	Executive Research Committee	Member
01/2002-Present	PET Consultant/Radiology Safety Committee, UTHSCSA	Member
01/2000-01/2004	CCRC Bldg Design Advisory Subcommittee, UTHSCSA	Member
01/2000-Present	Search Committee, Children's Cancer Research Center	Member
01/1999-12/2000	Scientific Advisory Panel, Children‘s Cancer Research Center	Member
01/1995-12/1996	Psychiatry Search Committee, UTHSCSA	Member
01/1992-Present	ICBM Committee, UTHSCSA	Member
01/1991-01/1999	Radiation Safety Subcommittee, UTHSCSA	Member