

CURRICULUM VITÆ

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Date of Birth: June 16, 1956

Place of Birth: St. Paul, MN

Home Page: <http://www.brainmapping.org/MarkCohen>

EDUCATION:

1985 Ph.D. The Rockefeller University, New York, NY
(Neurobiology and Behavior)

1979 A.B. Stanford University, Stanford, CA

1974-1976 Massachusetts Institute of Technology

ACADEMIC APPOINTMENTS:

2001- Professor in Residence, UCLA School of Medicine

1993-2001 Associate Professor in Residence, UCLA School of Medicine

1992-1993 Assistant Professor, Harvard Medical School, Boston, MA

1990-1991 Instructor, Harvard Medical School, Boston, MA

HOSPITAL APPOINTMENTS:

1993- Director of MRI Activation Imaging
UCLA Division of Brain Mapping

1991-1993 Director of MR Education
Massachusetts General Hospital, Boston, MA

1990-1993 Director, Hyperscan Imaging Laboratory
Technical Director of Clinical MR
Massachusetts General Hospital, Boston, MA

OTHER PROFESSIONAL POSITIONS:

1988-1990 Senior Applications Scientist, Advanced NMR Systems, Inc.

1985-1988 MR Applications Scientist, Siemens Medical Systems, Inc.

MEMBERSHIPS, OFFICES & COMMITTEE ASSIGNMENTS IN PROFESSIONAL SOCIETIES:

1994-1997	Annual Meeting Program Committee, Publications Committee, Workshop Committee, External Relations Committee, Meetings Coordination Committee, Efficacy Committee; Society of Magnetic Resonance
1994-1997	Board of Directors; Society of Magnetic Resonance
1994-1997	Chairman, Education Committee; Society of Magnetic Resonance
1993-1998	Associate Editor; Journal of Magnetic Resonance Imaging
1993-1997	Board of Directors; Society for Magnetic Resonance Imaging
1992-1997	Education Subcommittee; Society of Magnetic Resonance in Medicine
1992-1994	Efficacy Committee; Society for Magnetic Resonance Imaging
1990-1998	Editorial Board; Journal of Magnetic Resonance Imaging
1986 -	International Society of Magnetic Resonance in Medicine
1980 -	Society for Neuroscience
1979-1984	Acoustical Society of America
1979-1984	American Physics Association
1979 -	American Association for the Advancement of Science
1994 -	Organization for Human Brain Mapping
2002 -	Medical, Scientific, & Technology Advisory Board for the Institute for Magnetic Resonance Safety, Education, and Research (IMRSER)

MAJOR RESEARCH INTERESTS:

1. Functional MR Imaging of Brain Activity
2. High Speed Magnetic Resonance Imaging Applications & Techniques
3. Mental Imagery
4. Simultaneous EEG and Functional MRI
5. Brain Activation in Drug Abuse
6. Epilepsy

FORMAL TEACHING EXPERIENCE (SELECTED):

2005	Course Co-Director, “ <i>Current Debates and Recent Advances in fMRP</i> ”, International Society for Magnetic Resonance in Medicine, Miami, FL
2005	Course Director, <i>NeuroEngineering (M206)</i> , UCLA
2004	Course Co-Director, <i>Functional Neuroimaging</i> , UCLA
2004	K30 Course in Brain Mapping for Translational Investigators, UCLA
2003	Course Co-Director, <i>Functional Neuroimaging</i> , UCLA
2003	Course-Co-Director, “ <i>FSL/FreeSurfer</i> ”, UCLA and Oxford University
2003	Neuroengineering Core Course – Instructor, UCLA
2003	K30 Course in Brain Mapping for Translational Investigators, UCLA
2002	fMRI in Neurorehabilitation, - Instructor, UCLA
2001	Course Co-Director, <i>Functional Neuroimaging</i> , UCLA
2001	Course Director, <i>Advanced Magnetic Resonance Imaging</i> , UCLA
2000	Course Co-Director, “ <i>Mental Imagery</i> ”, UCLA
1999	Course Director, <i>Advanced Magnetic Resonance Imaging</i> , UCLA

- 1998 Course Director, *Functional Neuroimaging*, UCLA
 1998 Course Director, *Advanced Magnetic Resonance Imaging*, UCLA
 1998 Course Director, *Introduction to 'C' Programming*, UCLA
 1996 Course Director, *Functional Neuroimaging*, UCLA
 1995 - Course Director, *Journal Club*, UCLA
 1995 Lecturer, *Human Brain Mapping: The Methods*, Cold Spring Harbor Laboratory
 1995 Course Director; *Advanced Magnetic Resonance Imaging*, UCLA
 1995 Guest Lecturer; Psychiatry 446 "*Neuroimaging for the Neuropsychologist*," UCLA Department of Psychiatry
 1993 Course Director; *MR Pulse Sequence Design*, Society for Magnetic Resonance Imaging
 1992-1993 Faculty; Speech and Hearing Sciences Graduate Program MIT and Harvard
 1992-1993 Course Director; *MGH-MRI Post Graduate Course*, MGH
 1991 Co-director; *Clinical MRI: 1991 Update* MGH
 1990-1993 Course Director; *MRI for Poets*, MGH
 1990-1993 Co-director; MR Visiting Fellowship Course, MGH
 1986-1988 Guest Instructor; MR Training Course, Alton Ochsner Clinic

OTHER TEACHING EXPERIENCE:

Individual course development and training for physicians & scientists at numerous MRI sites.

Organizer and Program Director of the International Conference, "*Functional Neuroimaging: Looking at the Mind*", Boston, 1992

THESIS COMMITTEES

UCLA

Dr. Chris Furmanksi, Dr. Angela Knox, Dr. James Kroger, Dr. Robin Goldman, Dr. Richard DuBois (chair)

Mr. Tavis Allison, Mr. Robert Terwilliger (chair), , Mr. Samuel Harris (chair), Ms. Jennifer Bramen (chair)

University of Southern California

Dr. Edward Vessel

POST-DOCTORAL FELLOWS (UCLA)

Dr. Jianxin Wang – Presently employed in computer science in private sector

Dr. Yong Ke – Presently, Instructor in Psychiatry, Harvard Medical School

Dr. David Glahn – Presently Assistant Professor of Psychiatry, University of Texas

Dr. Wilfred Gordon – *current*

UNIVERSITY COMMITTEES

2001 – 2002 Medical Investigational Review Board

SELECTED INVITED PRESENTATIONS:

- 1988 Grand Rounds, Dept. of Radiology, Washington University School of Medicine, “*Methods of Fast MR Imaging*” St. Louis, MO
- 1989 Grand Rounds, Department of Radiology, “*Rapid MR Imaging: Techniques and Performance Characteristics*”, University of San Francisco. San Francisco, CA
- 1990 Society for Magnetic Resonance Imaging, Plenary Lecture, “*Ultra-fast Imaging*”, Philadelphia, PA
- 1990 BioElectroMagnetic Society 13th Annual Conference. Invited Lecture: “*Peripheral Nerve Stimulation by Time-Varying Magnetic Fields*” San Antonio, TX
- 1991 Magnetic Resonance Imaging: A short course trio. “*High-speed and Real-time Imaging*” and “*MR Imaging of Perfusion and Diffusion*” Philadelphia, PA
- 1991 New York Academy of Sciences Conference: Biological Effects and Safety Aspects of Nuclear Magnetic Resonance Imaging and Spectroscopy, invited lecture: “*Evidence of Peripheral Nerve Stimulation by Time-Varying Magnetic Fields.*” Bethesda, MD
- 1991 International Symposium of Magnetic Resonance Imaging in Medicine. “*Approaches to High-speed MR Imaging & Applications of High-speed and Instant Imaging*”, National Yang-Ming Medical College, Taipei, Taiwan
- 1992 American Epilepsy Society “*Functional Magnetic Resonance Imaging of the Human Brain*” Seattle, WA
- 1992 Advanced Clinical Magnetic Resonance Imaging, “*Ultrafast Imaging – Principles*” and “*Echoplanar Imaging – Clinical Experience*”, Kona, HI.
- 1993 American College of NeuroPsychopharmacology, “*Practical Aspects In the Design of Mind Reading Instruments*”, Honolulu, HI
- 1994 National Institutes of Health: NIMH Special Lecture: “*Principles and Applications of Functional MRF*”, Bethesda, MD
- 1994 Grand Rounds, Dept. of Radiology, Washington University School of Medicine, “*Principles and Applications of functional MRF*” St. Louis, MO
- 1994 Grand Rounds, Dept. of Neurology, “*Functional MRI: A new method for interrogating brain function.*” University of Texas, Houston, TX
- 1994 American Academy of Neurology, “*Functional MRI and Advanced MR Techniques*” Boston, MA
- 1994 Nottingham Symposium on Magnetic Resonance in Medicine, “*Advances in the Study of Brain Function Through Rapid Magnetic Resonance Imaging*”, Nottingham, UK
- 1994 Advances in Brain Tumor Management, “*Brain Mapping – MRF*”, Las Vegas, NV
- 1995 21st International Epilepsy Congress, “*Observing Brain Activity with Functional Magnetic Resonance Imaging: Techniques and Results*” Sydney, Australia,
- 1995 Neuroimaging and the Cognitive Neuroscience of Schizophrenia, “*Where the Voices Come From: fMRI of Schizophrenic Hallucinations*”, Carmel, CA
- 1996 American Academy of Neurology, “*Rapid MRI & Functional Applications*” San Francisco, CA
- 1997 20th annual meeting of Japan Society for CNS Computed Imaging “*Practical Aspects in fMRF*”, Kyoto, Japan
- 1997 Hyogo Neuroimaging Conference “*Mental Rotation Studied by fMRF*”, Kobe, Japan
- 1997 Special University Lecture “*Practical Aspects in fMRF*”, Tsukuba, Japan

- 1997 Grand Rounds, Radiology, Tokyo University, “*Advances in High Field MR Imaging*” Tokyo, Japan
- 1997 Special Lecture, Ika-Shika University, “*Where the voices come from: Imaging of Schizophrenic Auditory Hallucinations*” Tokyo, Japan
- 1997 Society of Cerebral Blood Flow and Metabolism, “*fMRI Issues and Answers*”
- 1998 Society for the Social Studies of Science, “*Image and Logic – Perspectives of an Imager*”, Halifax, Nova Scotia, Canada
- 1999 Mental Illness Research Education and Clinical Center Scientific Retreat, “*Functional MRI: What does it Offer? What are its Limitations?*” San Diego, CA
- 2000 Neurology/Radiology Grand Rounds, “*The Autocerebroscope – an update*” Vancouver, CA
- 2000 Special seminar, “*Analysis Methods in fMRI*”. UCSD
- 2000 First Shanghai International Workshop on Functional Neurosurgery and Imaging. “*Functional MRI: Tools for Epilepsy; Mental Imagery*” Shanghai, China
- 2001 Special seminar. “*Technical Considerations In the Design of Mind Reading Instruments*”. UC Irvine
- 2001 Plenary Lecture. “*Practical Aspects In the Design of Mind Reading Instruments.*” American Society for Neuroradiology. Boston, MA
- 2002 International Seminar on EEG dipole tracing and fMRI, “*Simultaneous Imaging for Tomographic Electrophysiology.*” Tokyo, Japan.
- 2002 Neurorehabilitation, “*Functional MRI in Assessment of Motor Function*” Honolulu, HI
- 2002 Office of National Drug Control Policy Demand Reduction Symposium, “*Integrated Functional Imaging and Neurophysiology: Applications to Drug Abuse Research*” Boston, MA
- 2002 Special Lecture “*Combining Electrophysiology and Imaging*” Stanford University
- 2002 Radiology Grand Rounds “*Combining EEG and functional MRI: Why and How*” New York University Medical School. New York, NY
- 2003 International Society for Magnetic Resonance in Medicine. “*Neuronal anatomy and Electrical Activity*”, Toronto, Canada
- 2003 Brain Research and Development, International Seminar on EEG dipole tracing and fMRI. “*Advances in combined EEG and fMRI*”, Tokyo, Japan.
- 2003 National Institute on Neurological Disorders and Stroke, “*fMRI and EEG*”, Bethesda, MD
- 2003 Art and the Brain “*Seeing (and) the brain*” Los Angeles, CA
- 2003 Cuban Neuroscience Center, “*Simultaneous Imaging for Tomographic Electrophysiology: Implementation and Applications*”, Havana, Cuba
- 2003 Organization for Human Brain Mapping Satellite Symposium on EEG-Correlated fMRI, “*Simultaneous imaging for tomographic electrophysiology: Efficient tools of acquisition and analysis*”, New York, NY
- 2004 Brain Mapping for Translational Investigators. “*Fundamentals of functional MRI.*” Los Angeles, CA
- 2005 Calculating Images: Representation by Algorithm in Science and Art. “*Seeing (and) the Brain*” Santa Barbara, CA

ACTIVE GRANT SUPPORT:

As PI:

Comprehensive training in Neuroimaging Fundamentals and Applications

1T90DA22768

09/1/2006 - 08/31/2011

NIH

\$651,703 (*direct costs*)

0.6 Calendar Months

The NeuroImaging Training Program (NITP) at UCLA was created in September of 2006, with funding from the National Institutes of Health. It is premised on the view that the scientific leaders of tomorrow are those who have the ability to create the tools they need to make the discoveries they seek.

Students in the NITP generally will complete a year of graduate training in the Neurosciences, including fundamentals of Neuroanatomy, Systems Neuroscience, Neurophysiology and/or Cognitive Neuroscience. Their second year of graduate training will be an intensive program in the tools of neuroimaging, including acquisition, data processing, analysis and experimental design.

As Co-investigator:

Cognitive Phenotyping for Neuropsychiatric Therapeutics

P20-RR020750-01

09/28/2004-7/31/2007

NCRR

\$587,372.00 (*direct and indirect*)

1.2 Calendar Months

\$587,372.00 (*cumulative total all years*)

The exploratory Center for Cognitive Phenomics (CCP) aims to accelerate identification and efficient measurement of cognitive phenotypes across syndromes and across species to advance interdisciplinary research on neuropsychiatric therapeutics. The long-term goal is establishment of a mature CCP that will provide the international research community with efficient, well-validated phenotype assays; a cognitive phenomics data repository linked to genomics, proteomics, and other biological knowledge-bases; and novel strategies for interdisciplinary research on neuropsychiatric therapeutics.

Working Memory and Social Functioning in Schizophrenia

MH65079

PI: Tyrone Cannon

Dates: 12/01/02 – 11/30/07

\$546,665.00 (*direct and indirect*)

1.2 Calendar Months

\$1,666,235.00 (*cumulative total all years*)

Uses fMRI to evaluate neural systems involved in working memory and their relation to the development of schizophrenia in adolescents at risk and to functional outcome in a parallel group of first-episode schizophrenic patient.

Encoding and Retrieval Processes in Long-Term Memory

MH066286

PI: Tyrone Cannon

Dates: 07/01/03 – 06/30/08

0.15 Calendar Months

As one project in a multi-project Center grant, uses fMRI to evaluate neural systems involved in episodic memory in longitudinal studies of prodromal adolescents and first-episodes schizophrenia patients to isolate deterioration in these systems and their relation to social deterioration in the prodromal and early phase of schizophrenia.

Determinants of Social Communication Skills in Autism

P 01 HD35470

PI: Marian Sigman

Dates: 09/23/02-05/31/07

\$788,362.00 (*direct and indirect*)

0.6 Calendar Months

\$3,168,762.00 (*cumulative total all years*)

To determine the neural networks underlying social communication skills in autistic children using functional MRI.

CIDAR: Translational Research to Enhance Cognitive Control (TRECC)

1 P50 MH077248-01 (McCracken)

9/01/05-8/30/10

NIMH

1.8 Calendar Months

\$1,438,570

This CIDAR conducts translational research to examine brain circuit and pharmacology involved in attention deficit/hyperactivity disorder (ADHD) and chronic tic disorder (CTD).

Amyloid Plaque and Tangle Imaging in Aging and Dementia

P01-AG024831-01 (Small)

9/01/05- 05/31/10

NIA

1.2 calendar months

\$1,382,245

This program project grant is designed to determine whether FDDNP plaque and tangle PET imaging (1) correlates with the expected accumulation of neuropathological changes associated with aging and dementia; (2) predicts future decline in people at risk for dementia and in patients with dementia; and (3) augments other informative imaging, neuropsychological, and genetic risk measures in diagnosis and differential diagnosis of normal aging and dementia.

ARTICLES

1. **MS Cohen** and RH Britt, "Effects of sodium pentobarbital, ketamine, halothane, and chloralose on brainstem auditory evoked responses." *Anesthesia and Analgesia*, **61**(4): p. 338-343. 1982
2. K Ezure, **MS Cohen** and VJ Wilson, "Response of cat semicircular canal afferents to sinusoidal polarizing currents: implications for input-output properties of second-order neurons." *Journal of Neurophysiology*, **49**(3): p. 639-648. 1983
3. **MS Cohen** and DW Pfaff, "On-line data acquisition system using an Apple computer: ISI and PST histograms." *Brain Research Bulletin*, **13**(1): p. 205-223. 1984
4. **MS Cohen**, S Schwartz-Giblin and DW Pfaff, "The pudendal nerve-evoked response in axial muscle." *Experimental Brain Research*, **61**(1): p. 175-185. 1985
5. **MS Cohen**, S Schwartz-Giblin and DW Pfaff, "Brainstem reticular stimulation facilitates back muscle motoneuronal responses to pudendal nerve input." *Brain Research*, **405**(1): p. 155-158. 1987
6. **MS Cohen**, S Schwartz-Giblin and DW Pfaff, "Effects of total and partial spinal transections on the pudendal nerve-evoked response in rat lumbar axial muscle." *Brain Research*, **401**(1): p. 103-112. 1987
7. EC Unger, **MS Cohen**, RA Gatenby, MR Clair, TR Brown, SJ Nelson and JS McGlone, "Single breath-holding scans of the abdomen using FISP and FLASH at 1.5 T." *J Comput Assist Tomogr*, **12**(4): p. 575-583. 1988
8. E Unger, A Darkazanli and **MS Cohen**, "Fast MR scanning reduces artifacts in the abdomen." *Diagnostic Imaging*, **11**(11): p. 248-256. 1989
9. EC Unger, **MS Cohen** and TR Brown, "Gradient-echo imaging of hemorrhage at 1.5 Tesla." *Magnetic Resonance Imaging*, **7**(2): p. 163-172. 1989
10. JW Belliveau, BR Rosen, HL Kantor, RR Rzedzian, DN Kennedy, RC McKinstry, JM Vevea, **MS Cohen**, IL Pykett and TJ Brady, "Functional cerebral imaging by susceptibility-contrast NMR." *Magnetic Resonance in Medicine*, **14**(3): p. 538-546. 1990
11. **MS Cohen**, RM Weisskoff, RR Rzedzian and HL Kantor, "Sensory stimulation by time-varying magnetic fields." *Magnetic Resonance in Medicine*, **14**(2): p. 409-414. 1990
12. JW Belliveau, **MS Cohen**, RM Weisskoff, BR Buchbinder and BR Rosen, "Functional studies of the human brain using high-speed magnetic resonance imaging." *Journal of Neuroimaging*, **1**(1): p. 36-41. 1991
13. JW Belliveau, DN Kennedy, RC McKinstry, BR Buchbinder, RM Weisskoff, **MS Cohen**, JM Vevea, TJ Brady and BR Rosen, "Functional mapping of the human visual cortex by magnetic resonance imaging." *Science*, **254**(5032): p. 716-719. 1991
14. AR Bleier, FA Jolesz, **MS Cohen**, RM Weisskoff, JJ Dalcanton, N Higuchi, DA Feinberg, BR Rosen, RC McKinstry and SG Hushek, "Real-time magnetic resonance imaging of laser heat deposition in tissue." *Magnetic Resonance in Medicine*, **21**(1): p. 132-137. 1991
15. TJ Brady, **MS Cohen**, RM Weisskoff and BR Rosen, "Equipment requirements to facilitate contrast-enhanced MR imaging." *Magnetic Resonance in Medicine*, **22**(2): p. 273-279; discussion 280-271. 1991

16. **MS Cohen** and RM Weisskoff, “*Ultra-fast imaging.*” *Magnetic Resonance Imaging*, **9**(1): p. 1-37. 1991
17. B Rosen, J Belliveau, B Buchbinder, K Kwong, L Porkka, R Fisel, R Weisskoff, M Neuder, H Aronen, **MS Cohen**, A Hopkins and T Brady, “*Contrast agents and cerebral hemodynamics.*” *Magnetic Resonance in Medicine*, **19**: p. 285-292. 1991
18. BR Rosen, JW Belliveau, HJ Aronen, D Kennedy, BR Buchbinder, A Fischman, M Gruber, J Glas, RM Weisskoff, **MS Cohen** and et al., “*Susceptibility contrast imaging of cerebral blood volume: human experience.*” *Magnetic Resonance in Medicine*, **22**(2): p. 293-299; discussion 300-293. 1991
19. JW Belliveau, KK Kwong, DN Kennedy, JR Baker, CE Stern, R Benson, DA Chesler, RM Weisskoff, **MS Cohen**, RB Tootell, PT Fox and TJ Brady, “*Magnetic resonance imaging mapping of brain function. Human visual cortex.*” *Investigative Radiology*, **27 Suppl 2**: p. S59-S65. 1992
20. **MS Cohen**, “*Functional Magnetic Resonance Imaging of the Human Brain.*” *Epilepsia*, **33**(supple 3): p. 2. 1992
21. **MS Cohen**, BR Rosen and TJ Brady, “*Ultrafast MRI permits expanded clinical role.*” *MR*: p. 26-37. 1992
22. AP Crawley, **MS Cohen**, EK Yucel, B Poncelet and TJ Brady, “*Single-shot magnetic resonance imaging: applications to angiography.*” *Cardiovascular and Interventional Radiology*, **15**(1): p. 32-42. 1992
23. PF Hahn, S Saini, **MS Cohen**, M Goldberg, P Reimer and PR Mueller, “*An aqueous gastrointestinal contrast agent for use in echo-planar MR imaging.*” *Magnetic Resonance in Medicine*, **25**(2): p. 380-383. 1992
24. KK Kwong, JW Belliveau, DA Chesler, IE Goldberg, RM Weisskoff, BP Poncelet, DN Kennedy, BE Hoppel, **MS Cohen**, R Turner and et al., “*Dynamic magnetic resonance imaging of human brain activity during primary sensory stimulation.*” *Proceedings of the National Academy of Science U S A*, **89**(12): p. 5675-5679. 1992
25. BP Poncelet, VJ Wedeen, RM Weisskoff and **MS Cohen**, “*Brain parenchyma motion: measurement with cine echo planar MR imaging.*” *Radiology*, **185**(3): p. 645-651. 1992
26. P Reimer, KK Kwong, R Weisskoff, **MS Cohen**, TJ Brady and R Weissleder, “*Dynamic signal intensity changes in liver with superparamagnetic MR contrast agents.*” *Journal of Magnetic Resonance Imaging*, **2**(2): p. 177-181. 1992
27. P Reimer, S Saini, PF Hahn, PR Mueller, TJ Brady and **MS Cohen**, “*Techniques for high-resolution echo-planar MR imaging of the pancreas.*” *Radiology*, **182**(1): p. 175-179. 1992
28. HJ Aronen, **MS Cohen**, JW Belliveau, JA Fordham and BR Rosen, “*Ultrafast imaging of brain tumors.*” *Topics in Magnetic Resonance Imaging*, **5**(1): p. 14-24. 1993
29. **MS Cohen**, “*Echo Planar Magnetic Resonance Angiography.*” *Magn Reson Imaging Clin N Am*, **1**(2): p. 359-365. 1993
30. **MS Cohen** and J Fordham, “*Developments In Magnetic Resonance Imaging.*” *Investigative Radiology*, **28 Suppl 4**(S4): p. S32-S37. 1993

31. M Goldberg, P Hahn, S Saini, **MS Cohen**, P Reimer, T Brady and P Mueller, "Value of T1 and T2 relaxation times from echoplanar MR imaging in the characterization of focal hepatic lesions." *AJR Am J Roentgenol*, **160**: p. 1011-1017. 1993
32. MA Goldberg, EK Yucel, S Saini, PF Hahn, JA Kaufman and **MS Cohen**, "MR angiography of the portal and hepatic venous systems: preliminary experience with echoplanar imaging." *AJR Am J Roentgenol*, **160**(1): p. 35-40. 1993
33. P Reimer, S Saini, PF Hahn, **MS Cohen** and TJ Brady, "[The clinical use of echoplanar MR tomography in the detection of focal liver lesions. The results of a quantitative study]." *Rofo Fortschr Geb Rontgenstr Neuen Bildgeb Verfahr*, **159**(1): p. 16-21. 1993
34. RM Weisskoff, **MS Cohen** and RR Rzedzian, "Nonaxial whole-body instant imaging." *Magnetic Resonance in Medicine*, **29**(6): p. 796-803. 1993
35. **MS Cohen** and SY Bookheimer, "Localization of brain function using magnetic resonance imaging." *Trends in Neuroscience*, **17**(7): p. 268-277. 1994
36. P Reimer, S Saini, PF Hahn, TJ Brady and **MS Cohen**, "Clinical application of abdominal echoplanar imaging (EPI): optimization using a retrofitted EPI system." *J Comput Assist Tomogr*, **18**(5): p. 673-679. 1994
37. P Reimer, S Saini, KK Kwong, **MS Cohen**, R Weissleder and TJ Brady, "Dynamic gadolinium-enhanced echo-planar MR imaging of the liver: effect of pulse sequence and dose on enhancement." *Journal of Magnetic Resonance Imaging*, **4**(3): p. 331-335. 1994
38. S Saini, P Reimer, PF Hahn and **MS Cohen**, "Echoplanar MR imaging of the liver in patients with focal hepatic lesions: quantitative analysis of images made with various pulse sequences." *AJR Am J Roentgenol*, **163**(6): p. 1389-1393. 1994
39. DG Disler, **MS Cohen**, DE Krebs, SH Roy and DI Rosenthal, "Dynamic Evaluation of Exercising Leg Muscle in Healthy Subjects with Echo Planar MR Imaging: Work Rate and Total Work Determine Rate of T2 Change." *Journal of Magnetic Resonance Imaging*, **5**(5): p. 588-593. 1995
40. F Huang-Hellinger, HC Breiter, G McCormack, **MS Cohen**, KK Kwong, J Sutton, RL Savoy, RM Weisskoff, TL Davis, J Baker, JW Belliveau and BR Rosen, "Simultaneous Functional Magnetic Resonance Imaging and Electrophysiological Recording." *Human Brain Mapping*, **3**: p. 13-23. 1995
41. HC Breiter, SL Rauch, KK Kwong, JR Baker, RM Weisskoff, DN Kennedy, AD Kendrick, TL Davis, A Jiang, **MS Cohen**, CE Stern, JW Belliveau, L Baer, RL O'Sullivan, CR Savage, MA Jenike and BR Rosen, "Functional magnetic resonance imaging of symptom provocation in obsessive-compulsive disorder." *Archives of General Psychiatry*, **53**(7): p. 595-606. 1996
42. **MS Cohen**, "Functional MRI: A Phrenology for the 1990's?" *Journal of Magnetic Resonance Imaging*, **6**: p. 273-274. 1996
43. **MS Cohen**, SM Kosslyn, HC Breiter, GJ DiGirolamo, WL Thompson, SY Bookheimer, JW Belliveau and BR Rosen, "Changes in Cortical Activity During Mental Rotation: A mapping study using functional magnetic resonance imaging." *Brain*, **119**: p. 89-100. 1996
44. **MS Cohen**, "Parametric analysis of fMRI data using linear systems methods." *NeuroImage*, **6**(2): p. 93-103. 1997

45. **MS Cohen**, “*Quantitative Assessment of Perfusion by Magnetic Resonance.*” *Neurology Network Commentary*, **1**(5): p. 315-319. 1997
46. **MS Cohen** and D Baird, “*Why Trade?: How zones of trade support epistemic stability.*” *Perspective on Science*, **7**(2): p. 231-254. 1999
47. **MS Cohen** and RM DuBois, “*Stability, repeatability, and the expression of signal magnitude in functional magnetic resonance imaging.*” *Journal of Magnetic Resonance Imaging*, **10**(1): p. 33-40. 1999
48. SY Bookheimer, MH Strojwas, **MS Cohen**, AM Saunders, MA Pericak-Vance, JC Mazziotta and GW Small, “*Patterns of brain activation in people at risk for Alzheimer's disease.*” *New England Journal of Medicine*, **343**(7): p. 450-456. 2000
49. **MS Cohen**, RM DuBois and MM Zeineh, “*Rapid and effective correction of RF inhomogeneity for high field magnetic resonance imaging.*” *Hum Brain Mapping*, **10**(4): p. 204-211. 2000
50. RM DuBois and **MS Cohen**, “*Spatiotopic organization in human superior colliculus observed with fMRI.*” *NeuroImage*, **12**(1): p. 63-70. 2000
51. WD Gaillard, SY Bookheimer and **MS Cohen**, “*The use of fMRI in neocortical epilepsy.*” *Advances in Neurology*, **84**: p. 391-404. 2000
52. R Goldman, J Stern, J Engel and **MS Cohen**, “*Acquiring Simultaneous EEG and Functional MRI.*” *Clinical Neurophysiology*, **111**(11): p. 1974-1980. 2000
53. JB Arnold, JS Liow, KA Schaper, JJ Stern, JG Sled, DW Shattuck, AJ Worth, **MS Cohen**, RM Leahy, JC Mazziotta and DA Rottenberg, “*Qualitative and quantitative evaluation of six algorithms for correcting intensity nonuniformity effects.*” *NeuroImage*, **13**(5): p. 931-943. 2001
54. **MS Cohen**, “*Real-time functional magnetic resonance imaging.*” *Methods*, **25**(2): p. 201-220. 2001
55. **MS Cohen**, “*A data compression method for image time series.*” *Hum Brain Mapp*, **12**(1): p. 20-24. 2001
56. **MS Cohen**, “*Practical Aspects in the Design of Mind Reading Instruments.*” *American Journal of Neuroradiology*. 2001
57. SY Oh, V Poukens, **MS Cohen** and JL Demer, “*Structure-function correlation of laminar vascularity in human rectus extraocular muscles.*” *Invest Ophthalmol Vis Sci*, **42**(1): p. 17-22. 2001
58. DC Glahn, J Kim, **MS Cohen**, VP Poutanen, S Therman, S Bava, TG Van Erp, M Manninen, M Huttunen, J Lonnqvist, CG Standertskjold-Nordenstam and TD Cannon, “*Maintenance and manipulation in spatial working memory: dissociations in the prefrontal cortex.*” *NeuroImage*, **17**(1): p. 201-213. 2002
59. RI Goldman, JM Stern, J Engel, Jr. and **MS Cohen**, “*Simultaneous EEG and fMRI of the alpha rhythm.*” *Neuroreport*, **13**(18): p. 2487-2492. 2002
60. JK Kroger, FW Sabb, CL Fales, SY Bookheimer, **MS Cohen** and KJ Holyoak, “*Recruitment of anterior dorsolateral prefrontal cortex in human reasoning: a parametric study of relational complexity.*” *Cerebral Cortex*, **12**(5): p. 477-485. 2002

61. NL Sicotte, RR Voskuhl, S Bouvier, R Klutch, **MS Cohen** and JC Mazziotta, “*Comparison of multiple sclerosis lesions at 1.5 and 3.0 Tesla.*” *Investigative Radiology*, **38**(7): p. 423-427. 2003
62. E Martinez-Montes, PA Valdes-Sosa, F Miwakeichi, RI Goldman and **MS Cohen**, “*Concurrent EEG/fMRI analysis by multiway Partial Least Squares.*” *NeuroImage*, **22**(3): p. 1023-1034. 2004
63. L Altshuler, S Bookheimer, MA Proenza, J Townsend, F Sabb, A Firestone, G Bartzokis, J Mintz, J Mazziotta and **MS Cohen**, “*Increased amygdala activation during mania: a functional magnetic resonance imaging study.*” *American Journal of Psychiatry*, **162**(6): p. 1211-1213. 2005
64. LL Altshuler, SY Bookheimer, J Townsend, MA Proenza, N Eisenberger, F Sabb, J Mintz and **MS Cohen**, “*Blunted Activation in Orbitofrontal Cortex During Mania: A Functional Magnetic Resonance Imaging Study.*” *Biological Psychiatry*, **58**(10): p. 763-769. 2005
65. R Bhidayasiri, JM Bronstein, S Sinha, SE Krahl, S Ahn, EJ Benhke, **MS Cohen**, R Frysinger and FG Shellock, “*Bilateral Neurostimulation Systems Used for Deep Brain Stimulation: In vitro Study of MRI-Related Heating at 1.5 Tesla and Implications for Clinical Imaging of the Brain.*” *Magnetic Resonance Imaging*, **23**(4): p. 549-555. 2005
66. TD Cannon, DC Glahn, J Kim, TG Van Erp, K Karlsgodt, **MS Cohen**, KH Nuechterlein, S Bava and D Shirinyan, “*Dorsolateral prefrontal cortex activity during maintenance and manipulation of information in working memory in patients with schizophrenia.*” *Archives of General Psychiatry*, **62**(10): p. 1071-1080. 2005
67. MF Green, D Glahn, SA Engel, KH Nuechterlein, F Sabb, M Strojwas and **MS Cohen**, “*Regional brain activity associated with visual backward masking.*” *J Cogn Neurosci*, **17**(1): p. 13-23. 2005
68. KH Karlsgodt, D Shirinyan, TG van Erp, **MS Cohen** and TD Cannon, “*Hippocampal activations during encoding and retrieval in a verbal working memory paradigm.*” *NeuroImage*, **25**(4): p. 1224-1231. 2005
69. J Xu, A Mendrek, **MS Cohen**, J Monterosso, P Rodriguez, SL Simon, A Brody, M Jarvik, CP Domier, R Olmstead, M Ernst and ED London, “*Brain activity in cigarette smokers performing a working memory task: effect of smoking abstinence.*” *Biological Psychiatry*, **58**(2): p. 143-150. 2005
70. R Bhidayasiri, JM Bronstein, **MS Cohen** and FG Shellock, “*Response to letter to the editor.*” *Magnetic Resonance Imaging*, **24**(5): p. 679-680. 2006
71. KH Karlsgodt, DC Glahn, TG van Erp, S Therman, M Huttunen, M Manninen, J Kaprio, **MS Cohen**, J Lonnqvist and TD Cannon, “*The relationship between performance and fMRI signal during working memory in patients with schizophrenia, unaffected co-twins, and control subjects.*” *Schizophrenia Research*, **89**(1-3): p. 191-197. 2006
72. A Mendrek, J Monterosso, SL Simon, M Jarvik, A Brody, R Olmstead, CP Domier, **MS Cohen**, M Ernst and ED London, “*Working memory in cigarette smokers: comparison to non-smokers and effects of abstinence.*” *Addict Behav*, **31**(5): p. 833-844. 2006
73. J Xu, A Mendrek, **MS Cohen**, J Monterosso, S Simon, AL Brody, M Jarvik, P Rodriguez, M Ernst and ED London, “*Effects of acute smoking on brain activity vary with abstinence in*

smokers performing the N-Back Task: A preliminary study.” *Psychiatry Research*, **148**(2-3): p. 103-109. 2006.

CHAPTERS & BOOKS

1. S Saini, **MS Cohen**. “Ultrafast Liver Imaging”. *in*: Ferrucci J, editor. *Liver Imaging: New Techniques*. Andover: Andover Medical, 1990.
2. B Rosen, J Belliveau, D Chien, **MS Cohen**, R Weisskoff. “MR Perfusion Imaging”. *Special Course: MRI 1990*. Oak Brook, IL: Radiological Society of North America, 1990: 69-84.
3. **MS Cohen**. “Rapid MR Imaging: techniques and performance characteristics”. *in*: Taveras J and Ferrucci J, editors. *Radiology*. Vol 1. New York: Lippincott, 1992.
4. **MS Cohen**. “Echo planar flow imaging”. *in*: Potchen, editor. *Magnetic Resonance Angiography*. Vol 1. Philadelphia: Mosby, 1993: 297-304.
5. **MS Cohen**. “Rapid MRI and Functional Applications”. *in*: Toga AW and Mazziotta JC, editors. *Brain Mapping: the Methods*. New York: Academic Press, 1996.
6. J Mazziotta, **MS Cohen**. “The Measurement of Cerebral Blood Flow and Metabolism in Human Subjects”. *in*: Welch M, Caplan L, Siesjo B, Wei B and Reis. D, editors. *Primer on Cerebral Vascular Disease*. San Diego: Academic Press, 1997: 38-42.
7. S Bookheimer, **MS Cohen**. “New Directions: Functional MRI”. *in*: Engel J and Pedley T, editors. *Epilepsy: A Comprehensive Textbook*. Philadelphia: Lippincott-Raven, 1997.
8. **MS Cohen**. “Theory of Echo-Planar Imaging”. *in*: Schmitt F, Stehling M and Turner R, editors. *Echo-Planar Imaging: Theory, Technique and Application*. Berlin: Springer Verlag, 1998: 11-30.
9. **MS Cohen**. “Echo-planar imaging and functional MRI”. *in*: Moonen C and Bandettini P, editors. *Functional MRI*. Berlin: Springer-Verlag, 1999: 137-148.
10. Mitchell, **MS Cohen**. “MRI Principles”. New York: WB Saunders, 2003.
11. Functional MRI: An experimenter’s handbook. *In preparation*.

ABSTRACTS

1. **MS Cohen** and RH Britt. “Effects of anesthetics on the brainstem auditory evoked response.” *in* *Society for Neuroscience*. Los Angeles, CA. 1981
2. **MS Cohen**, S Schwartz-Giblin and DW Pfaff. “Responses of epaxial muscles and motor nerves to electrical stimulation of the pudendal nerve in the rat.” *in* *Society for Neuroscience*. Boston, MA. 1983
3. T Brown, **MS Cohen** and W Thoma. “An imaging method of shimming for spectroscopy.” *in* *Experimental Nuclear Conference*. Asilomar, CA. 1987
4. E Unger, **MS Cohen**, R Gatenby, M Clair, H Kessler and T Brown. “Preliminary observations: single breathholding scans of the abdomen using FISP and FLASH at 1.5 Tesla.” *in* *Society for Magnetic Resonance Imaging*. 1987
5. **MS Cohen**. “Magnetic Susceptibility: Contrast and Artifacts.” *in* *Society for Magnetic Resonance in Medicine*. San Francisco, CA. 1988

6. **MS Cohen.** “*Design of MR Imaging Methods for Trauma and Screening.*” in *Society of Magnetic Resonance in Medicine.* San Francisco. 1988
7. D Saloner, C Anderson and **MS Cohen.** “*Vessel display and quantification of in-plane blood flow.*” in *Society for Magnetic Resonance Imaging.* 1988
8. **MS Cohen** and M Rohan. “*3D volume imaging with Instant Scan.*” in *Society for Magnetic Resonance in Medicine.* 1989
9. **MS Cohen,** R Weisskoff and H Kantor. “*Evidence of peripheral stimulation by time-varying magnetic fields.*” in *Radiological Society of North America.* Chicago. 1989
10. **MS Cohen,** R Weisskoff and R Rzedzian. “*Clinical Methods for “Single-Shot” Instant MR Imaging of the heart.*” in *Radiological Society of North America.* Chicago. 1989
11. B Rosen, J Belliveau, D Betteridge, **MS Cohen,** R Weisskoff, J Vevea and R Rzedzian. “*Perfusion imaging with magnetic-susceptibility contrast media.*” in *Radiological Society of North America.* Chicago. 1989
12. R Weisskoff and **MS Cohen.** “*Instant magnetic field mapping.*” in *Society of Magnetic Resonance in Medicine, Eighth Annual Meeting.* Amsterdam, The Netherlands. 1989
13. R Weisskoff, **MS Cohen** and R Rzedzian. “*Fat suppression techniques: a comparison of results in instant imaging.*” in *Society for Magnetic Resonance in Medicine.* 1989
14. J Belliveau, B Rosen, D Betteridge, D Kennedy, J Vevea, K Johnson, **MS Cohen,** R Weisskoff, R Rzedzian and T Brady. “*Functional NMR Imaging of the Human Brain.*” in *Society of Magnetic Resonance in Medicine.* 1990
15. A Bleier, S Hushek, D Feinberg, R Kikinis, L Panych, R Weisskoff, J Dalcanton, **MS Cohen,** R McKinstry, B Rosen and F Jolesz. “*Image acquisition and processing for real-time monitoring of laser surgery.*” in *Society of Magnetic Resonance in Medicine.* 1990
16. A Bleier, S Hushek, N Higuchi, R Kikinis, L Panych, R Weisskoff, J Dalcanton, **MS Cohen,** R McKinstry, B Rosen and F Jolesz. “*MRI image acquisition and processing for real-time monitoring of laser surgery.*” in *Society of Magnetic Resonance in Medicine.* New York, New York, USA. 1990
17. A Bleier, L Panych, **MS Cohen,** R Weisskoff, J Dalcanton, S Hushek, N Higuchi, B Rosen, R McKinstry and F Jolesz. “*Visualization of Laser Heat Propagation with Instant Imaging.*” in *Society for Magnetic Resonance Imaging.* 1990
18. **MS Cohen.** “*High-speed MR imaging: from fast to instant.*” in *Society for Magnetic Resonance Imaging.* 1990
19. **MS Cohen,** J Dalcanton, R Weisskoff and M Rohan. “*Kinematic imaging of the knee using instant MRI.*” in *Society of Magnetic Resonance in Medicine.* 1990
20. N Higuchi, F Jolesz, A Bleier, R Mulkern, V Colucci, S Hushek, M El-Azouzi, D Hsu, R McKinstry, B Rosen, **MS Cohen** and R Weisskoff. “*MRI Control of Experimental Laser Surgery.*” in *Society of Magnetic Resonance in Medicine.* New York, New York, USA. 1990
21. R McKinstry, J Belliveau, B Buchbinder, **MS Cohen,** R Weisskoff, J Vevea, K Thulborn, K Kwong, K Johnson and B Rosen. “*Instant NMR diffusion and susceptibility-contrast CBV imaging of patients with increased blood-brain barrier permeability.*” in *Ninth Annual Meeting of the Society of Magnetic Resonance in Medicine.* New York, New York. 1990

22. R McKinstry, R Weisskoff, **MS Cohen**, J Vevea, K Kwong, R Rzedzian, T Brady and B Rosen. “*Instant MR Diffusion/Perfusion Imaging.*” in *Society for Magnetic Resonance Imaging*. 1990
23. V Wedeen, A Crawley, R Weisskoff, G Holmvang and **MS Cohen**. “*Real time MR imaging of structured fluid flow.*” in *Society of Magnetic Resonance in Medicine*. New York. 1990
24. R Weisskoff, J Dalcanton and **MS Cohen**. “*High resolution 64 msec instant images of the head.*” in *Society for Magnetic Resonance Imaging*. 1990
25. J Belliveau, D Kennedy, R McKinstry, B Buchbinder, R Weisskoff, J Vevea, K Nadeau, **MS Cohen** and T Brady. “*Functional mapping of the human visual cortex with susceptibility contrast MR imaging.*” in *Society for Magnetic Resonance in Medicine*. Chicago, Illinois. 1991
26. JW Belliveau, DN Kennedy, RC McKinstry, BR Buchbinder, RM Weisskoff, JM Vevea, K Nadeau, **MS Cohen**, TJ Brady and BR Rosen. “*Functional mapping of the human visual cortex by susceptibility-contrast NMR.*” in *Ninth Annual Meeting of the Society for Magnetic Resonance Imaging*. Chicago, IL. 1991
27. JW Belliveau, RC McKinstry, DN Kennedy, BR Buchbinder, RM Weisskoff, JM Vevea, K Nadeau, **MS Cohen**, TJ Brady and BR Rosen. “*Functional mapping of the human visual cortex by nuclear magnetic resonance imaging.*” in *Fifteenth International Symposium On Cerebral Blood Flow and Metabolism*. Miami, FL. 1991
28. B Buchbinder, J Belliveau, R McKinstry, **MS Cohen**, R Weisskoff, J Vevea, H Aronen, G Hunter, F Hochberg, K Johnson, V Caviness, T Brady and B Rosen. “*Ultrafast magnetic resonance imaging of regional cerebral hemodynamics.*” in *Tenth annual meeting of the Society for Magnetic Resonance in Medicine*. Sand Francisco. 1991
29. S Chang, **MS Cohen** and P Wang. “*Ultra-fast scanning of hardwood logs with an NMR scanner.*” in *Fourth International Conference on Scanning Technology in the Wood Industry*. 1991
30. **MS Cohen**, F Shellock, K Nadeau, J Oldershaw, J Boxerman, R Weisskoff and T Brady. “*Acute muscle T2 changes associated with exercise.*” in *Tenth Annual Meeting of the Society of Magnetic Resonance in Medicine*. San Francisco, CA. 1991
31. **MS Cohen**, R Weisskoff, M Rohan and T Brady. “*400 msec volume imaging of the heart.*” in *Tenth Annual Meeting of the Society of Magnetic Resonance in Medicine*. San Francisco, CA. 1991
32. PF Hahn, P Reimer, **MS Cohen**, KT Nadeau and PR Mueller. “*An Aqueous Gastrointestinal contrast agent for use in Ultrafast MR imaging.*” in *Tenth annual meeting of the Society for Magnetic Resonance in Medicine*. San Francisco. 1991
33. GJ Hunter, HL Kantor, RM Weisskoff, JD Pearlman and **MS Cohen**. “*Assessment of Myocardial perfusion by MRI: Correlation with radiolabelled microspheres.*” in *Tenth annual meeting of Society for Magnetic Resonance in Medicine*. San Francisco. 1991
34. H Kytömaa and **MS Cohen**. “*Imaging of an unsteady circulating fluidized bed.*” in *NMR of Materials*. San Jose, CA. 1991

35. J Pearlman, R Weisskoff, G Hunter, **MS Cohen** and T Brady. “*Cardiac variance images from single-shot MR imaging.*” in *Society of Magnetic Resonance Imaging*. Chicago, Illinois. 1991
36. JD Pearlman, L Porkka, G Hunter, RM Weisskoff and **MS Cohen**. “*Quantitative real-time dose response of the heart to magnetic contrast agents: evidence for linear regime.*” in *Tenth annual meeting of the Society for Magnetic Resonance in Medicine*. San Francisco. 1991
37. B Poncelet, VJ Wedeen and **MS Cohen**. “*Brain motion measurement with EPI.*” in *Tenth annual meeting of the Society for Magnetic Resonance in Medicine*. San Francisco. 1991
38. P Reimer, K Kwong, **MS Cohen**, T Brady and R Weissleder. “*Single shot imaging of in vivo pharmacokinetics of T2* contrast agents in the liver using EPI.*” in *Society for Magnetic Resonance Imaging*. San Francisco, CA. 1991
39. P Reimer, S Saini, P Hahn, **MS Cohen** and T Brady. “*Pancreatic imaging using ultrafast magnetic resonance.*” in *Eighth annual congress of the European society for magnetic resonance in medicine and biology*. Zürich, Switzerland. 1991
40. P Reimer, S Saini, P Hahn, P Mueller, K Nadeau and **MS Cohen**. “*Ultrafast MR Imaging of the Pancreas.*” in *Tenth Annual Meeting of the Society of Magnetic Resonance in Medicine*. San Francisco, CA. 1991
41. B Rosen, J Belliveau, B Buchbinder, **MS Cohen**, R Weisskoff, J Vevea, R Rzedzian and T Brady. “*Perfusion imaging with magnetic susceptibility contrast agents: "real-time" MR imaging in humans.*” in *Society for Magnetic Resonance in Medicine*. Chicago, Illinois. 1991
42. BR Rosen, JW Belliveau, BR Buchbinder, **MS Cohen**, RM Weisskoff, JM Vevea, RR Rzedzian and TJ Brady. “*Perfusion imaging with magnetic susceptibility contrast: human imaging using real-time MRI.*” in *Ninth Annual Meeting of the Society of Magnetic Resonance Imaging*. Chicago, IL: SMRI. 1991
43. S Saini, P Hahn, P Reimer and **MS Cohen**. “*Protocol and pulse sequence evaluation for ultrafast liver imaging.*” in *Eighth annual congress of the European society for magnetic resonance in medicine and biology*. Zürich, Switzerland. 1991
44. S Saini, P Hahn, P Reimer and **MS Cohen**. “*Protocol and Pulse Sequence Design and Evaluation for Ultra-Fast Liver Imaging.*” in *European Congress of Radiology*. 1991
45. S Saini, PF Hahn, P Reimer, KT Nadeau and **MS Cohen**. “*Ultrafast MR imaging of the liver: Analysis of Pulse Sequence performance.*” in *Tenth annual meeting of the Society for Magnetic Resonance in Medicine*. San Francisco. 1991
46. F Shellock, **MS Cohen**, T Brady, J Mink and M Pfaff. “*Evaluation of patellar alignment and tracking: comparison between kinematic MRI and "true" dynamic imaging by hyperscan MRI.*” in *Society for Magnetic Resonance Imaging*. Chicago. 1991
47. K Thulborn, R Weisskoff, **MS Cohen**, T Reese and S Kiihne. “*Quantitative Measurement of Global Cerebral Oxygen Consumption by IH MR Imaging.*” in *Society for Magnetic Resonance Imaging*. Chicago. 1991
48. R Weisskoff, SR Kiihne, **MS Cohen** and KR Thulborn. “*Quantitative in Vivo Blood Oxygenation Measurements by Echo Planar Imaging at 1.5 Tesla.*” in *Tenth annual meeting of the Society for Magnetic Resonance in Medicine*. San Francisco. 1991

49. H Aronen, I Goldberg, F Pardo, F Hochberg, D Kennedy, B Buchbinder, J Belliveau, R Weisskoff, **MS Cohen**, A Fischman, T Campbell, C Calder, T Brady and B Rosen. “*Susceptibility contrast CBV imaging: clinical experience in brain tumor patients.*” in *Society of Magnetic Resonance in Medicine Eleventh Annual Meeting*. Berlin. 1992
50. J Baker, **MS Cohen**, C Stern, K Kwong, J Belliveau and B Rosen. “*The effect of slice thickness and echo time on the detection of signal change during echo-planar functional imaging.*” in *Society of Magnetic Resonance in Medicine 11th Annual Meeting*. Berlin. 1992
51. J Belliveau, K Kwong, J Baker, C Stern, R Benson, I Goldberg, **MS Cohen**, D Kennedy, T Brady and B Rosen. “*MRI mapping of human visual cortex: retinotopic organization and frequency response of V1.*” in *Society of Magnetic Resonance in Medicine Eleventh Annual Meeting*. Berlin. 1992
52. J Belliveau, K Kwong, J Baker, C Stern, R Benson, I Goldberg, **MS Cohen**, D Kennedy, R Tootell, P Fox, T Brady and B Rosen. “*Functional neuroimaging by MRI: Human visual system.*” in *Society for Neuroscience*. Anaheim. 1992
53. H Breiter, K Kwong, J Baker, **MS Cohen** and et al. “*Functional magnetic resonance imaging of obsessive compulsive disorder.*” in *Fourth annual NARSAD scientific symposium*. Washington, DC. 1992
54. **MS Cohen**, M Goldberg and E Yucel. “*Ultra-fast MR angiographic methods.*” in *Society of Magnetic Resonance in Medicine Eleventh Annual Meeting*. Berlin. 1992
55. **MS Cohen**, P Hahn and S Saini. “*Breath-hold 3D multi-slab volume imaging.*” in *Society of Magnetic Resonance in Medicine Eleventh Annual Meeting*. Berlin. 1992
56. **MS Cohen**, D Kennedy, D Pitcher, E Halpern and P Filipek. “*Apparent cortical volume is affected by MR imaging parameters.*” in *Society of Magnetic Resonance in Medicine Eleventh Annual Meeting*. Berlin. 1992
57. M Goldberg, P Hahn, S Saini, P Mueller, P Reimer and **MS Cohen**. “*Quantitative tissue characterization of hepatic lesions: Results of echo planar imaging.*” in *Radiological Society of America 78th Annual Meeting*. Chicago. 1992
58. M Goldberg, P Hahn, S Saini, P Reimer, T Campbell and **MS Cohen**. “*Tissue characterization of focal liver lesions using T1 and T2 relaxation time measurements with echo planar MR imaging.*” in *Society of Magnetic Resonance in Medicine Eleventh Annual Meeting*. Berlin. 1992
59. M Goldberg, E Yucel, S Saini, P Hahn, J Kaufman, T Campbell and **MS Cohen**. “*Echo planar angiography of the portal veins: preliminary results.*” in *Society of Magnetic Resonance in Medicine eleventh annual meeting*. Berlin. 1992
60. M Goldberg, E Yucel, S Saini, P Hahn, J Kaufman and **MS Cohen**. “*MR angiography of the portal and hepatic venous system: Preliminary experience with echo planar imaging.*” in *Radiological Society of America 78th Annual Meeting*. Chicago. 1992
61. P Hahn, S Saini, **MS Cohen**, M Goldberg, E Yucel and P Mueller. “*Clinical echo-planar abdominal MR imaging: 18 month experience.*” in *Radiological Society of North America 78th Annual Meeting*. Chicago. 1992
62. G Hunter, L Hamberg, H Kantor, **MS Cohen**, R Weisskoff, B Rosen and T Brady. “*First pass susceptibility contrast MR in the clinical evaluation of myocardial ischemia and*

- infarction.*” in *Society of Magnetic Resonance in Medicine Eleventh Annual Meeting*. Berlin. 1992
63. K Kwong, J Belliveau, D Chesler, I Goldberg, C Stern, J Baker, R Weisskoff, R Benson, B Poncelet, D Kennedy, R Turner, **MS Cohen**, T Brady and B Rosen. “*Real time imaging of perfusion change and blood oxygenation change with EPI.*” in *Society of Magnetic Resonance in Medicine Eleventh Annual Meeting*. Berlin. 1992
 64. K Kwong, J Belliveau, C Stern, J Baker, D Chesler, I Goldberg, B Poncelet, D Kennedy, R Weisskoff, **MS Cohen**, R Turner, H-M Cheng, T Brady and B Rosen. “*Real-time magnetic resonance imaging (MRI) of brain activity in humans.*” in *Society for Neuroscience*. Anaheim. 1992
 65. B Poncelet, V Wedeen, R Weisskoff and **MS Cohen**. “*Measurement of brain parenchyma motion with ciné echo planar imaging.*” in *Society of Magnetic Resonance in Medicine Eleventh Annual Meeting*. Berlin. 1992
 66. B Poncelet, V Wedeen, R Weisskoff, **MS Cohen**, F Holmvang, T Brady and H Kantor. “*Quantification of LAD the coronary flow with magnetic resonance echo-planar imaging.*” in *American Heart Association*. New Orleans. 1992
 67. P Reimer, S Saini, P Hahn, M Goldberg, P Mueller, T Brady and **MS Cohen**. “*Refinements of clinical echo planar MR imaging.*” in *Society of Magnetic Resonance in Medicine Eleventh Annual Meeting*. Berlin. 1992
 68. P Reimer, S Saini, K Kwong, T Brady, **MS Cohen** and R Weissleder. “*Dynamic single shot echo planar imaging of the liver with gadolinium-DTPA: pulse sequence and dose-related signal changes.*” in *Society of Magnetic Resonance in Medicine Eleventh Annual Meeting*. Berlin. 1992
 69. S Saini, P Hahn, M Goldberg, P Reimer, **MS Cohen** and P Mueller. “*Clinical evaluation of echo-planar MR imaging of the abdomen: review of first 100 patients.*” in *Radiological Society of North America 78th Annual Meeting*. Chicago. 1992
 70. D Thedens, S Fleagle, R Weisskoff, G Hunter, **MS Cohen**, H Kantor and D Skorton. “*Feasibility of automated detection of myocardial borders to assess cardiac anatomy from echo-planar cardiac magnetic resonance images.*” in *American Heart Association*. New Orleans. 1992
 71. M Yoon, L Johnson, A Mosher, R Carbonneau, K Nadeau, **MS Cohen**, R Weisskoff and K Thulborn. “*Sensitivity and specificity of echo planar imaging for detection of neuropathology.*” in *Society for Magnetic Resonance Imaging tenth annual meeting*. New York. 1992
 72. R Benson, K Kwong, J Belliveau, J Baker, **MS Cohen**, N Hildebrandt, D Caplan and B Rosen. “*Selective activation of Broca's area and inferior parietal cortex for words using multi-slice gradient-echo EPI.*” in *Society for Magnetic Resonance in Medicine Twelfth Annual Meeting*. New York. 1993
 73. R Benson, K Kwong, J Belliveau, J Baker, **MS Cohen**, C Stern, N Hildebrandt, D Caplan and B Rosen. “*Magnetic resonance imaging studies of visual word recognition: words versus false font strings.*” in *Society for Neuroscience 23d Annual Meeting*. Washington, DC. 1993

74. **MS Cohen**, J Baker, J Belliveau, T Davis, R Tootell, K Kwong and B Rosen. “*Time Course of Cerebrovascular Response to Neuronal Activity Demonstrated with Functional MR Imaging.*” in *Society for Neuroscience*. Washington DC. 1993
75. R Savoy, K Kwong and **MS Cohen**. “*Searching for stereopsis in humans using ultra-fast functional MRI: stimuli, analysis techniques, and preliminary data.*” in *Society for Neuroscience*. Washington DC. 1993
76. RM Weisskoff, JR Baker, JW Belliveau, TL Davis, KK Kwong, **MS Cohen** and BR Rosen. “*Power Spectrum Analysis of Functionally-Weighted MR Data: What's in the Noise?*” in *Society of Magnetic Resonance in Medicine*. New York, New York. 1993
77. R Benson, K Kwong, B Buchbinder, H Jiang, J Belliveau, **MS Cohen**, S Bookheimer, B Rosen and T Brady. “*Noninvasive evaluation of language dominance using functional MRI.*” in *Society for Magnetic Resonance second annual meeting*. San Francisco. 1994
78. F Huang-Hellinger, H Breiter, G McCormack, **MS Cohen**, K Kwong, J Sutton, T Davis, R Savoy, R Weisskoff, J Belliveau and B Rosen. “*Simultaneous Functional Magnetic Resonance Imaging and Electrophysiological Recording.*” in *Society of Magnetic Resonance, Second Meeting*. San Francisco. 1994
79. SY Bookheimer, **MS Cohen**, M Dapretto, I Fried, A Shewmon, K Black, J Engel and J Mazziotta. “*Functional MRI in Surgical Planning.*” in *Society for Neuroscience*. San Diego, CA. 1995
80. SY Bookheimer, **MS Cohen**, B Dobkin and JC Mazziotta. “*Functional MRI During Motor Activation following stroke.*” in *Human Brain Mapping*. 1995
81. **MS Cohen**, SY Bookheimer and JC Mazziotta. “*Parametric Analysis of Functional MRI data: a physiologically relevant transform.*” in *Cerebral Blood Flow and Metabolism*. 1995
82. **MS Cohen**, H Breiter, G DiGirolamo, W Thompson, J Belliveau, B Rosen and S Kosslyn. “*Mental Rotation Studied by functional Magnetic Resonance Imaging (fMRI).*” in *Brain Map '95*. Paris. 1995
83. **MS Cohen** and MF Green. “*Where the Voices Come From: Imaging of Schizophrenic Auditory Hallucinations.*” in *Society for Neuroscience*. San Diego, CA. 1995
84. E Passaro, SY Bookheimer, **MS Cohen** and J Engel. “*Functional Magnetic Resonance Imaging in a Patient with Continuous Occipital Seizures.*” in *American Electroencephalographic Society*. Washington, D.C. 1995
85. SY Bookheimer, MA Dapretto, **MS Cohen** and JX Wang. “*Functional MRI of the hippocampus during short-term memory tasks: parametric response to task difficulty and stimulus novelty.*” in *Second Annual Conference on Functional Mapping of the Human Brain*. Boston, MA. 1996
86. M Cherrier, L Ercoli, S Bookheimer, J Wang and **MS Cohen**. “*Changes in Cortical Activity During a Spatial Versus Phonological Verbal Fluency Task.*” in *International Neuropsychology Society*. 1996
87. **MS Cohen**, DA Kelley, ML Rohan and PA Roemer. “*An MR instrument optimized for intracranial neuroimaging.*” in *Human Brain Mapping 96*. Boston, MA. 1996
88. MA Dapretto, SY Bookheimer, **MS Cohen** and JX Wang. “*Selective attention paradigms to map language representations using fMRI.*” in *Society for Neuroscience*. 1996

89. MA Dapretto, SY Bookheimer, **MS Cohen** and JX Wang. “*fMRI of language in dyslexic and normally developing children.*” in *Second Annual Conference on Functional Mapping of the Human Brain*. Boston, MA. 1996
90. BH Dobkin, **MS Cohen**, SY Bookheimer and JC Mazziotta. “*Functional Magnetic Resonance Imaging to Study Brain Adaptations During Rehabilitation of Upper Extremity Function After Hemiplegic Stroke.*” in *J Neuro Rehab*. 1996
91. ZL Litvack and **MS Cohen**. “*Automated blood vessel identification in fMRI.*” in *Third international conference on mapping of the human brain*. Boston, MA. 1996
92. GW Small, JR Barrio, GM Cole, SY Bookheimer, **MS Cohen**, JC Mazziotta, ME Phelps, AM Saunders, JL Haines, MA Pericak-Vance and ADRACoN Abstracts. “*APOE and Brain Imaging for Early Detection of Alzheimer Disease.*” in *American College of Neuropsychopharmacology*. 1996
93. JX Wang, **MS Cohen**, SY Bookheimer and MA Dapretto. “*Functional MRI of human auditory cortex during auditory image lateralization.*” in *Second Annual Conference on Functional Mapping of the Human Brain*. Boston, MA. 1996
94. **MS Cohen**. “*A Linear Systems Approach to the Parametric Analysis of fMRI Time Series.*” in *Fifth Annual Meeting of the International Society for Magnetic Resonance in Medicine*. Vancouver, BC. 1997
95. **MS Cohen**, R Terwilliger, X Hong, M Rohan and P Roemer. “*Real-time observation of mental activity: the autocerebroscope.*” in *Society for Neuroscience 27th annual meeting*. New Orleans, LA. 1997
96. X Hong, **MS Cohen** and P Roemer. “*Functional EPI with Real Time Imaging Processing.*” in *Fifth Annual Meeting of the International Society for Magnetic Resonance in Medicine*. Vancouver, BC. 1997
97. SY Bookheimer, M Dapretto, K Black and **MS Cohen**. “*Functional MRI of language organization in patients with aggressive brain tumors.*” in *Society for neuroscience 27th annual meeting*. New Orleans, LA. 1998
98. **MS Cohen**, RA Dubois and WL Scheduling. “*Rapid Artifact Detection and Correction for Real-Time fMRI.*” in *Human Brain Mapping*. Montreal, Canada. 1998
99. **MS Cohen** and WL Scheduling. “*Real-Time functional MRI.*” in *Human Brain Mapping*. Montreal, Canada. 1998
100. M Dapretto, SY Bookheimer, M Strojwas and **MS Cohen**. “*An fMRI Study of Semantic, Phonological, and Orthographic Processing Using a Selective Attention Paradigm.*” in *Fourth International Conference on Functional Mapping of the Human Brain*. Montreal, CANADA. 1998
101. M Dapretto, SY Bookheimer, J Wang and **MS Cohen**. “*A fMRI study of morpho-syntactic processing using a selective attention paradigm.*” in *Society for neuroscience 27th annual meeting*. New Orleans, LA. 1998
102. R Dubois and **MS Cohen**. “*Consistency of activation signal in fMRI assessed by number and magnitude of voxels.*” in *Society for Neuroscience*. Los Angeles. 1998

103. R Frysinger, K Negoro, J Bronstein, D Masterman, J Mazziotta, **MS Cohen** and A De Salles. "Estimation of lesion volumes in pallidotomy procedures: acute versus chronic volumes." in *Society for Neuroscience*. Los Angeles. 1998
104. M Iacoboni, E Zaidel, N Sicotte, M Dapretto, RP Woods, A Ptito, **MS Cohen** and JC Mazziotta. "Transitions in Parallel Processing: The Role of Conduction Delays." in *Fourth International Conference on Functional Mapping of the Human Brain*. Montreal, CANADA. 1998
105. M Iacoboni, E Zaidel, N Sicotte, RP Woods, **MS Cohen** and JC Mazziotta. "Waves of Endogenous Context: Behavior and Imaging." in *Fourth International Conference on Functional Mapping of the Human Brain*. Montreal, CANADA. 1998
106. J Kroger, K Holyoak, S Bookheimer and **MS Cohen**. "Processing relationally complex representations in Raven's progressive matrices: an fMRI study." in *Society for Neuroscience*. Los Angeles. 1998
107. J Quintana, S Bookheimer, J Kroger, **MS Cohen** and J Mazziotta. "Cerebral activity related to production and anticipation during decision making." in *Society for Neuroscience*. Los Angeles. 1998
108. N Sicotte, R Voskuhl, **MS Cohen**, L Myers, G Ellison and J Mazziotta. "A comparison of enhancing multiple sclerosis lesions at 1.5T and 3.0T." in *America's Committee for Treatment and Research in Multiple Sclerosis*. Montreal, Quebec. 1998
109. M Zeineh, S Bookheimer and **MS Cohen**. "A Parametric Trial-based Study of the Late Undershoot in fMRI with Visual Stimulation." in *Society for Neuroscience*. Los Angeles. 1998
110. T Allison, D Madsen, **MS Cohen**, ME Jarvik and E Zaidel. "Cigarette smoking, selective attention and brain activation: evidence from behavioral laterality and fMRI." in *The college on problems of drug dependence*. Acapulco, Mexico. 1999
111. **MS Cohen**, T Allison, DC Madsen, ME Jarvik and R Olmstead. "Functional MRI of Naturalistic Smoking." in *Society for Research on Nicotine and Tobacco*. San Diego. 1999
112. R DuBois and **MS Cohen**. "Retinotopic organization of the human superior colliculus demonstrated using fMRI." in *Society for Neuroscience*. Miami. 1999
113. G Small, S Bookheimer, M Strojwas, **MS Cohen**, A Saunders, M Pericak-Vance and J Mazziotta. "Functional MRI of Memory Tasks in Older Persons with APO-E4." in *Biological Psychiatry*. 1999
114. F Chollet, B Dobkin, J Pariente, F Saab, **MS Cohen**, I Loubinoux and J Mazziotta. "Cerebral representation of a sensory discrimination network in humans." in *Organization for Human Brain Mapping*. 2000
115. **MS Cohen**. "A fast and efficient method for compression of digital image time series." in *International Society for Magnetic Resonance in Medicine Eighth annual meeting*. Denver. 2000
116. **MS Cohen**, T Allison, D Madsen, M Jarvik, R Olmstead and E London. "fMRI of cigarette smoking: A method and preliminary results." in *International Society for Magnetic Resonance in Medicine Eighth annual meeting*. Denver. 2000

117. R Goldman, **MS Cohen**, J Engel and J Stern. “*Combining EEG and functional MRI: Cleaning up the electrical signals.*” in *International Society for Magnetic Resonance in Medicine Eighth annual meeting*. Denver. 2000
118. DC Madsen, TL Allison, SM Terrace, **MS Cohen**, ME Jarvik and RE Olmstead. “*Validation of Naturalistic Cigarette Smoking in an Magnetic Resonance setting.*” in *Society for Research on Nicotine and Tobacco*. 2000
119. **MS Cohen**, R Goldman, J Stern and J Engel. “*Simultaneous EEG and fMRI Made Easy.*” in *Organization for Human Brain Mapping*. Brighton, UK. 2001
120. RM DuBois, S Bookheimer, MM Cherrier and **MS Cohen**. “*Activation of early visual areas in a mental imagery task.*” in *Society for Neuroscience 30th Annual Meeting*. New Orleans. 2001
121. D Glahn, S Bava, **MS Cohen**, V Poutanen, B Therman, T Van Erp, M Manninen, M Huttunen, J Lonnqvist, C Standerskjold-Nordenstam and T Cannon. “*Towards A Functional Atlas For Visuospatial Working Memory: Consistency Of Activation Patterns In Healthy Volunteers.*” in *Human Brain Mapping*. Brighton, UK. 2001
122. R Goldman, **MS Cohen**, J Stern and J Engel. “*Tomographic Mapping of Alpha Rhythm Using Simultaneous EEG/fMRI.*” in *Organization for Human Brain Mapping*. Brighton, UK. 2001
123. KA Schaper, JB Arnold, J-S Liow, JJ Stern, JG Sled, DW Shattuck, AJ Worth, **MS Cohen**, RM Leahy, JC Mazziotta and DA Rottenberg. “*Evaluation of Six Algorithms for Correcting Intensity Non-uniformity Effects in MRI Volumes.*” in *Organization for Human Brain Mapping*. Brighton, UK. 2001
124. RI Goldman and **MS Cohen**. “*Simultaneous EEG and fMRI of normal and abnormal brain electrophysiology.*” in *International Seminar on EEG Dipole Tracing and fMRI*. Tokyo, Japan. 2002
125. E London, S Simon, A Mendrek, J Learn, **MS Cohen**, A Brody, R Olmstead, M Ernst and M Jarvik. “*Difference between smokers and nonsmokers in tests of selective attention and working memory: effects of abstinence and cigarette smoking.*” in *Tobacco-Related Disease Research Program (TRDRP) Annual Investigator's Meeting*. San Jose, CA. 2002
126. E Martínez-Montes, N Trujillo-Barreto, R Goldman, **MS Cohen** and P Valdés-Sosa. “*Tri-linear Partial Least Squares Analysis for EEG/fMRI fusion.*” in *Organization for Human Brain Mapping*. Sendai, Japan: NeuroImage. 2002
127. A Mendrek, S Simon, **MS Cohen**, M Jarvik, R Olmstead, A Brody, M Ernst and E London. “*Effects of smoking history and nicotine withdrawal on cognitive function.*” in *National Conference on Tobacco or Health*. 2002
128. S Sinha, SY Bookheimer, J Grinstead, **MS Cohen** and L Badr. “*Neuroplasticity in Neonates – An fMRI Study of Language Stimulated Auditory Activation.*” in *International Society for Magnetic Resonance in Medicine ninth annual meeting*. Honolulu, HI. 2002
129. RM Albistegui-DuBois and **MS Cohen**. “*Reversal of parietal responses in a pointing task during adaptation to inverted vision.*” in *Society for Neuroscience*. New Orleans, LA. 2003

130. RM Albistegui-DuBois and **MS Cohen**. “*Observations on the Consistency of Auditory Collicular Response during Adaptation to Inverted Vision.*” in *Organization for Human Brain Mapping Eighth Annual Meeting*. New York, NY. 2003
131. R Bhidayasiri, S Sinha, JM Bronstein, S Ahn, EJ Behnke, **MS Cohen**, R Frysinger, SE Krahl and FG Shellock. “*In vitro study of MRI - related heating of deep brain stimulation electrodes at 1.5 - tesla.*” in *Society for Neuroscience*. New Orleans. 2003
132. JE Bramen, Z Bilusic, DC Madsen, RE Olmstead, ED London, ME Jarvik and **MS Cohen**. “*Brain responses to naturalistic tobacco smoking.*” in *Society for Neuroscience*. New Orleans. 2003
133. **MS Cohen**. “*Simultaneous imaging for tomographic electrophysiology: Efficient tools of acquisition and analysis.*” in *Organization for Human Brain Mapping Satellite Symposium on EEG-Correlated fMRI*. New York, NY. 2003
134. **MS Cohen**, RM DuBois and MM Cherrier. “*Geographic mental imagery recruits a network of early visual areas.*” in *Society for Neuroscience*. New Orleans. 2003
135. RI Goldman and **MS Cohen**. “*Tomographic Distribution of Resting Alpha Rhythm Sources Revealed by Independent Component Analysis.*” in *Organization for Human Brain Mapping Eighth Annual Meeting*. New York, NY. 2003
136. RI Goldman, E Martinez-Montes, PA Valdes-Sosa and **MS Cohen**. “*Convergent evidence for distributed sources of alpha rhythm.*” in *Society for Neuroscience*. New Orleans. 2003
137. SE Krahl, JM Bronstein, S Sinha, S Ahn, RC Frysinger, **MS Cohen**, EJ Behnke, R Bhidayasiri, AAF DeSalles and FG Shellock. “*MRI safety test at 1.5 - tesla of a deep brain stimulation lead and trajectory guide.*” in *Society for Neuroscience*. New Orleans. 2003
138. ED London, J Xu, A Mendrek, **MS Cohen**, M Jarvik, SL Simon, AL Brody, R Olmstead and J Monterosso. “*Regional brain activation during performance of a working memory task by cigarette smokers and nonsmokers.*” in *Society for Neuroscience*. New Orleans. 2003
139. ED London, J Xu, PF Rodriguez, A Mendrek, **MS Cohen**, SL Simon, AL Brody, R Olmstead and ME Jarvik. “*Greater cortical activation during performance of a working memory task by smokers than non-smokers.*” in *Society for Research on Nicotine and Tobacco*. Scottsdale, AZ. 2003
140. ED London, J Xu, PF Rodriguez, A Mendrek, **MS Cohen**, SL Simon, AL Brody, R Olmstead, ME Jarvik, J Monterosso and M Ernst. “*More Task-Related Cortical Activity in Cigarette Smokers than in Nonsmokers Performing a Working Memory Task.*” in *American College of Neuropsychopharmacology (ACNP) Annual Meeting*. 2003
141. J Stern, R Goldman, Z Bilusic, J Engel and **MS Cohen**. “*fMRI correlates to contralateral interictal epileptiform discharges.*” in *The American Epilepsy Society*. Boston, MA. 2003
142. R Albistegui-DuBois and **MS Cohen**. “*Adaptation to inverted vision: alteration in retinotopic organization.*” in *Society for Neuroscience*. San Diego. 2004
143. JE Bramen, DV Buonomano and **MS Cohen**. “*Interval discrimination across temporal scales relies on different neural circuits: an event-related fMRI study.*” in *Society for Neuroscience*. San Diego. 2004

144. JE Bramen, DV Buonomano, AS Korb, JR Monterosso and **MS Cohen**. “*Time is of the Essence.*” in *10th Annual Meeting of the Organization for Human Brain Mapping*. Budapest, Hungary. 2004
145. S Harris and **MS Cohen**. “*The functional neuroanatomy of belief.*” in *Society for Neuroscience*. San Diego. 2004
146. ED London, J Xu, PF Rodriguez, A Mendrek, **MS Cohen**, J Monterosso, SL Simon, AL Brody, R Olmstead, M Jarvik and M Ernst. “*Smoking and task-related brain activity after overnight vs. brief abstinence in smokers.*” in *Society for Neuroscience*. San Diego. 2004
147. ED London, J Xu, PF Rodriguez, A Mendrek, SL Simon, AL Brody, ME Jarvik, J Monterosso, M Ernst and **MS Cohen**. “*More Task-Related Cortical Activity in Cigarette Smokers than in Nonsmokers Performing a Working Memory Task.*” in *College for Problems on Drug Dependence 66th Annual Meeting*. San Juan, Puerto Rico. 2004
148. J Xu, A Mendrek, **MS Cohen**, J Monterosso, SL Simon, AL Brody, R Olmstead, M Jarvik, M Ernst, ED London and P Rodriguez. “*Smoking and task-related brain activity after overnight vs. brief abstinence in smokers.*” in *Society for Research on Nicotine and Tobacco*. 2004
149. J Xu, J Monterosso, A Mendrek, PF Rodriguez, AL Brody, **MS Cohen**, SL Simon, R Olmstead, ME Jarvik, M Ernst and ED London. “*Cortical activation and deactivation when healthy non-smokers perform a working memory task.*” in *Society for Neuroscience*. San Diego. 2004
150. RI Goldman, AD Gerson, **MS Cohen**, TR Brown and PR Sajda. “*Simultaneous EEG and fMRI for Event Related Studies.*” in *Organization for Human Brain Mapping 11th Annual Meeting*. Toronto, Canada. 2005
151. E Harley, VA Carr, IV Viskontas, **MS Cohen** and SA Engel. “*Functional MRI Can Measure Timing of Transient Increases in Neural Response with High Precision.*” in *Society for Neuroscience 35th Annual Meeting*. Washington, DC. 2005
152. KH Karlsgodt, DC Glahn, TGM van Erp, S Therman, M Huttunen, M Manninen, C Standerskjold-Nordenstam, J Kaprio, D Shirinyan, **MS Cohen** and TD Cannon. “*Relationship between Behavior and fMRI Signal in a Working Memory Task in Patients with Schizophrenia, Unaffected Co-Twins, and Controls.*” in *Society for Neuroscience 35th Annual Meeting*. Washington, DC. 2005
153. D Payer, R Albistegui-DuBois, J Xu, JR Monterosso, T Fong, **MS Cohen** and ED London. “*Deficits in Cortical Activation Associated with Emotion Recognition and Processing in Methamphetamine Abusers.*” in *Society for Neuroscience 35th Annual Meeting*. Washington, DC. 2005
154. J Townsend, L Altshuler, M Proenza, F Sabb, **MS Cohen** and S Bookheimer. “*Reduced Activation in Orbitofrontal Cortex during Mania: A Functional Magnetic Imaging Study.*” in *Organization for Human Brain Mapping 11th Annual Meeting*. Toronto, Canada. 2005
155. J Xu, A Mendrek, **MS Cohen**, J Monterosso, CP Domier, SL Simon, A Brody, M Jarvik, M Ernst and ED London. “*Effects of Cigarette Smoking on Brain Activity of Smokers Performing the Stroop Task.*” in *Society for Neuroscience 35th Annual Meeting*. Washington, DC. 2005.