

CURRICULUM VITÆ

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Santa Monica, CA 90404 (310) 980-7453

Date of Birth: June 16, 1956

Place of Birth: St. Paul, MN

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H-Index 58 (9/3/18)

i10-Index 114 (9/3/18)

Citations 22,823 (9/3/18)

Note: My name is very common. It is difficult to get an accurate count for these indices. The quoted numbers are from google scholar: <http://tinyurl.com/MSCohenGoogleScholar>

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:

All current UCLA appointments are as Professor in Residence

2011 -	Member, California NanoSystems Institute
2009 -	Biomedical Engineering
2005 -	Director UCLA/Semel Neuroimaging Training Program
2004 -	Psychology, UCLA College of Arts and Sciences
2001 -	Psychiatry and Biobehavioral Sciences, UCLA School of Medicine
2001 -	Biomedical Physics, UCLA School of Medicine
1994 -	Neurology, UCLA School of Medicine
1994 -	Radiological Sciences, UCLA School of Medicine
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)

AWARDS AND HONORS:

2007	National Aeronautics and Space Administration Invention Award
2012	Post-Doctoral Mentoring Award (UCLA)
2014	Council on Undergraduate Research. Excellence in Mentoring Undergraduate Research
2017	Education in Neuroimaging Award. Organization for Human Brain Mapping

MAJOR RESEARCH INTERESTS:

1. Functional MR Imaging of Brain Activity
2. High Speed Magnetic Resonance Imaging Applications & Techniques
3. Mental Imagery
4. Multi-modal imaging
5. Electroencephalography and Electrophysiology
6. Epilepsy
7. Hypnosis
8. Schizophrenia
9. Neurostimulation with Ultrasound
10. Sparsity and Compressive Sensing
11. Statistical Machine Learning
12. Brain Reading
13. Physiology of Consciousness
14. Mental Privacy

FORMAL TEACHING EXPERIENCE (SELECTED):

- 2009-2013 Field Chair, “*Biological Signal and Information Processing*,” Biomedical Engineering IDP
- 2009 Course Director, “*Functional Neuroimaging*” (M285), UCLA
- 2009 Course Director, “*Experimental Studies of Consciousness*,” NS215, UCLA
- 2007 - 2017 Course Director, “*Principles of Neuroimaging*” (M284A/B), UCLA
- 2007 - 2016 Course Director, “*Advanced Neuroimaging Summer School*”, UCLA
- 2006 - 2016 Program Director, “*Neuroimaging Training Program*” NIH-sponsored program.
- 2005 Course Co-Director, “*Current Debates and Recent Advances in fMRI*”, International Society for Magnetic Resonance in Medicine, Miami, FL
- 2005 Course Director, *NeuroEngineering* (M206), UCLA
- 2004 Course Co-Director, *Functional Neuroimaging*, UCLA
- 2004 K30 Course in Brain Mapping for Translational Investigators, UCLA
- 2003 Course Co-Director, *Functional Neuroimaging*, UCLA
- 2003 Course-Co-Director, “*FSL/FreeSurfer*”, 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, *Functional Neuroimaging*, UCLA
- 2001 Course Director, *Advanced Magnetic Resonance Imaging*, UCLA
- 2000 Course Co-Director, “*Mental Imagery*”, UCLA
- 1999 Course Director, *Advanced Magnetic Resonance Imaging*, 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 ACTIVITIES:

- Individual course development and training for physicians & scientists at numerous MRI sites.
 Conference co-organizer, “*Machine Learning and Interpretation in Neuroimaging.*” Sierra Nevada, Spain, 2011
 Organizer and Program Director of the International Conference, “*Functional Neuroimaging: Looking at the Mind*”, Boston, 1992
 Co-Organizer, “*Multi modal Neuroimaging*” held at UCLA’s Institute for Pure and Applied Mathematics, Spring 2013.
 Principal Consultant to the American Museum of Natural History in New York, on their exhibit, “*Our Senses.*” 2016-2018.
 External Evaluator, Neurohackademy

THESIS COMMITTEES

UCLA

COMPLETED:

- Dr. Lavanya Acharya (*co-chair*, biomedical engineering)
 Dr. Richard Albistegui-DuBois (*chair*, neuroscience)
 Dr. Ariana Anderson (*chair*, statistics)
 Dr. Peter Bachman (psychology)
 Dr. Jennifer Bramen (*chair*, neuroscience)
 Dr. Huan Cao (chemistry)
 Dr. John Colby (*co-chair*, neuroscience)
 Dr. Pamela Douglas (*co-chair*, biomedical engineering)
 Dr. Konstantin Dragomiretskiy (applied mathematics)
 Dr. Anita Dushyanth (biomedical engineering)
 Dr. Chris Furmanksi (psychology)
 Dr. Robin Goldman (*chair*, biomedical physics)
 Dr. Samuel Harris (*chair*, neuroscience)
 Dr. Wesley Kerr (*chair*, biomathematics, M.D. Ph.D. program)
 Dr. Alex Korb (neuroscience)
 Dr. Angela Knox (psychology)
 Dr. James Kroger (psychology)
 Dr. Wei Li (neuroscience)
 Dr. Jia Liu (electrical engineering)
 Dr. Mahsa Malekmohammadi (biomedical engineering)
 Dr. Ekaterina Merkurjev (mathematics)

Dr. Doris Payer (neuroscience)
Dr. Angela Rizk-Jackson (psychology)
Dr. Cameron Rodriguez (*chair*, biomedical engineering)
Dr. Matthew Schreiner (neuroscience)
Dr. Debra Strick (*chair*, biomedical engineering)
Dr. David Wozny (*co-chair*, biomedical engineering)
Dr. Naomi Santa Maria (biomedical engineering)
Dr. Matthew Schreiner (neuroscience)
Dr. William Speier (biomedical engineering)
Dr. Subashini Srinivasan (biomedical engineering)
Dr. Natalia Tchemodonav (biomedical engineering)
Dr. Xia Hongjing (*chair*, biomedical engineering)
Dr. Austin Head (*chair*, biomedical engineering)
Dr. Leslie Claar (bioengineering)
Dr. Travis Meyer (applied mathematics)
Dr. Dianna Han (*co-chair*, UC Santa Barbara, computer science)
Dr. Mayank Jog (*chair*, biomedical engineering)
Dr. Donald Vaughn (*chair*, neuroscience)

University of Southern California

Dr. Edward Vessel (psychology)

IN PROCESS

Ms. Chaitali Biswas (bioengineering)

Mr. Edgar Rios Piedra (bioengineering)

UNCOMPLETED

Mr. Tavis Allison (uncompleted)

Mr. Robert Terwilliger (uncompleted)

POST-DOCTORAL FELLOWS (UCLA)

Dr. Jianxin Wang – *Employed in computer science in private sector*

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

Dr. David Glahn – *Professor of Psychiatry, Yale University*

Dr. Ariana Anderson – *Assistant research neuroscientist, NPI*

Dr. Wilfred Gordon – *Educator, entertainer*

Dr. Agatha Lenartowicz – *Assistant research neuroscientist, NPI*

Dr. Pamela Douglas – *Assistant research neuroscientist, NPI*

UNIVERSITY COMMITTEES

2001 – 2002 Medical Investigational Review Board

2006 Neurosciences IDP Admissions Committee

2011 – 2016 UCLA Council on Research (*chair*, 2015 – 2016)

- 2012 – present Institute for Digital Research and Education (IDRE) Executive Committee
 2015 – 2016 University of California University Committee on Research Policy

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 fMRI*”, Kyoto, Japan
- 1997 Hyogo Neuroimaging Conference “*Mental Rotation Studied by fMRI*”, Kobe, Japan
- 1997 Special University Lecture “*Practical Aspects in fMRI*”, 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
- 2005 Southern Epilepsy & EEG Society and Western Clinical Neurophysiology Society Joint Annual Meeting. “*fMRI-EEG: Is this the next Pandora's box?*” Scottsdale AZ
- 2005 International Society for Magnetic Resonance in Medicine, “*Neural Signaling and fMRI Signal Detection.*” Miami, FL
- 2005 Congresso Brasileiro de Neuroimagem Funcional. “*Recent advances in combined EEG-fMRI*” Riberão Preto, Brazil.
- 2005 Magnetom World Congress “*Advances in Neuroimaging at High Field*”, Singapore
- 2005 Rochester Center for Brain Imaging, “*Emerging Technologies in functional Neuroimaging*”, Rochester, NY
- 2005 EEG and Biofeedback, UCLA, “*On the Origin of Oscillatory Electrical Signals in the Brain,*” Los Angeles, CA
- 2005 UC San Diego, “*Integrative Methods in Functional Neuroimaging: fMRI, EEG and ... ?*,” San Diego, CA
- 2005 International Society for Magnetic Resonance in Medicine, “*Current Debates and Recent Advances in fMRI.*” Miami, FL
- 2006 Hong Kong Polytechnic University, Inauguration Year Lecture, “*Multiscalar Neuroimaging: Higher Resolution in Space and Time*” Hong Kong
- 2006 Princeton University, “*Multiscalar Neuroimaging: Higher resolution in space and time*”, Princeton, NJ
- 2006 International Society for Magnetic Resonance in Medicine, “*Real-time Neuro MRI*”, Seattle, WA
- 2006 University of South Carolina, “*Studying Human Brain Activity at Multiple Scales of Space and Time,*” Columbia, SC
- 2006 University of South Carolina, “*fMRI: Testing the Spatiotemporal Limits,*” Columbia, SC
- 2006 University of Texas San Antonio, “*Pushing the Limits of Space and Time in Functional Imaging*”, San Antonio, TX
- 2006 Department of Biomathematics Seminar Series, “*fMRI: Testing the Spatiotemporal Limits*”, UCLA, Los Angeles, CA
- 2006 FSL Training Program, “*MRI Basics,*” Siena, Italy
- 2007 Brown University “*Multi-scalar Probes of Human Brain Function*”, Providence, RI
- 2007 Brown University “*Multi-scalar Neuroimaging*”, Providence, RI
- 2007 University of South Carolina, “*Images at the Nanoscale,*” Columbia, SC
- 2007 Universitätsklinikum Schleswig-Holstein, “*Physical background of fMRI: echo-planar imaging (EPI) techniques and other technical issues,*” Kiel, Germany.
- 2008 National Academy of Sciences, American Institute for Medical and Biomedical Engineers, “*The Uses of Portable Ultra-Low Field MR Imaging Devices,*” Washington, DC

- 2008 Institute for Pure and Applied Mathematics, “*Simultaneous EEG and fMRI Acquisition – Algorithmic Analysis*,” UC Los Angeles, CA
- 2008 Organization for Human Brain Mapping, “*Combining EEG and fMRI*,” Melbourne, Australia
- 2009 FSL Training Program, “*Physical Basis of MRI and fMRI*,” Brisbane, Australia
- 2009 Organization for Human Brain Mapping Satellite Symposium on EEG Methods and Practice, “*EEG and fMRI: A Look Forward*,” San Francisco, CA
- 2009 Organization for Human Brain Mapping, “*The Technologies of Multi-modal Imaging*” San Francisco, CA
- 2009 Asilomar conference on Signals, Systems and Computers, *Electricity and Magnetism Two views of the brain in action*
- 2009 Society for Psychophysiological Research, “*Approaches to the Joint Analysis of EEG and fMRI Data: Methods and Early Results*”, Berlin, Germany
- 2010 Organization for Human Brain Mapping. “*EEG-fMRI: Principles & Ideas*.” Barcelona, Spain
- 2010 Yom Limmud Special Lectures. “*The Brain, the Mind, and the Structure of its Beliefs*.” Leo Baeck Temple, Los Angeles
- 2010 Cedars Sinai Medical Center Grand Rounds, “*Decoding Brain Signals using Combined EEG and fMRI*”, Los Angeles, CA
- 2011 UCLA Neurology Grand Rounds, “*Manganese-induced Parkinsonism: Toxicological findings and public health*.” Los Angeles, CA
- 2012 Leveraging Sparsity: Compressive Sensing Workshop. “*Large, High-dimensional data sets in functional neuroimaging*” Los Angeles, CA.
- 2012 Social and Affective Neuroscience, “*Classifying for Discovering: Multimodal Data and Optimal Bases*.” Beijing, China (presented also at Max Planck, Leipzig, and Technische Universität, Berlin
- 2012 Max Planck Institute, “*Classifying for Discovering: Multimodal Data and Optimal Bases*.” Leipzig, Germany
- 2012 Technische Universität Machine Learning Program. “*Classifying for Discovering: Multimodal Data and Optimal Bases*.”
- 2012 Brain Storming Turing: Celebrating the Alan Turing Centennial + 25 years of AI & Society, “*This does not (just) compute*.” Los Angeles, CA. ([Video](#))
- 2012 Berlin Brain Computer Interface: “*Informative Brain-Mind Feature Spaces*” Berlin, Germany
- 2013 Center for Biological Imaging at Stanford Symposium. “*A Unified Theory of Images?*” Keynote presentation.
- 2013 California NanoSystems Institute. “*A Unified Theory of Images: what we see is what we know*.” Los Angeles, CA
- 2013 American Society for Neuroradiology (ASNR), “*Pattern Analysis in the Diagnosis of Epilepsy*” (with WT Kerr). San Diego, CA.
- 2014 Harvard University/MGH. “*fMRI + EEG + Pattern Classification*.” Charlestown, MA.
- 2014 NSF UC Riverside IGERT on Video Bioinformatics. “*Towards a New Science of Images*.” Lake Arrowhead, CA
- 2014 International Conference on Analytical Science and Technology. “*Multimodal Imaging in Neuroscience*.” Korea Basic Science Institute, Daejeon, Korea; and Ochang Headquarters, Ochang, Korea

- 2014 Plenary Grand Rounds. “*Multimodal Imaging in Neuroscience.*” Asan Medical Center, Seoul, Korea; and Korea University, Seoul, Korea
- 2014 Art+Brain. Stories and Structures Symposium. “*What We See is What We Know*”. UCLA Broad Art Center, Los Angeles ([Video](#))
- 2014 Cuban Neuroscience Center. “*Features, Dimensions, Neurons.*” Havana, Cuba
- 2015 1st Latin American Brain Mapping Network Meeting. “*Joint acquisition & analysis of imaging & electrophysiology.*” Hospital das Clínicas, São Paulo, Brazil
- 2015 Columbia University. “*More from less: Sparsity in Data and the Mind.*” New York, NY
- 2015 University of Mississippi. “*Scientific Images: Depictions/Diagrams/Data.*” Jackson, MS
- 2016 BCI 2016 Annual Meeting, “*Domain Knowledge and Feature Selection*” Yongpyong, Korea.
- 2016 Korea University, “*Domain Knowledge and Feature Selection*” Seoul, Korea
- 2016 Living Architecture Systems Group, “*Alive*” Waterloo, Ontario, Canada ([video](#))
- 2016 DART Pharmaceutical, “*The Promise of Neuroimaging*”, San Diego, CA
- 2016 Neuroscience and Radicalization (DARPA Conference), “*Emerging Neurotechnology*”, Los Angeles, CA
- 2016 UCLA Luskin Center Grand Opening, “*Brainstorming: Empathy*”, Los Angeles, CA
- 2017 University of California, Santa Barbara. “*On Images*”
- 2017 American Museum of Natural History, “*Understanding the Senses*”. New York, NY
- 2017 Speculum Artium “*Octopus Brainstorming*”, Trbovlje, Slovenia
- 2017 California Science Center, “*What Minds are Made Of*”, Los Angeles ([video](#))
- 2018 Los Angeles Art Show Modern+Contemporary, “*Brainstorming:Empathy*”, Los Angeles
- 2018 Neuroimaging Affinity Group, “*What Minds are Made Of*” UCLA, Los Angeles
- 2018 The Bohemian Club, “*The Coming End of Mental Privacy*”, Bohemian Grove, CA

REVIEWER FOR:

National Institutes of Health and National Science Foundation Study Sections... 1994-present
UC Discovery Grant Study Sections..... 2008, 2009

<i>Academic Radiology</i>	<i>Archives of General Psychiatry</i>	<i>Brain</i>
<i>Brain and Cognition</i>	<i>Brain Stimulation</i>	<i>Cerebral Cortex</i>
<i>Clinical Neurophysiology</i>	<i>J. Cognitive, Affective and Behavioral Neuroscience</i>	
<i>Eur Journal of Neuroscience</i>	<i>Human Brain Mapping</i>	
<i>IEEE Transactions in Medical Imaging</i>		<i>J. Neuroscience Methods</i>
<i>J. Magnetic Resonance Imaging</i>	<i>Magnetic Resonance in Medicine</i>	
<i>Medical Physics</i>	<i>Nature Neuroscience</i>	
<i>Neural Information Processing Systems</i>	<i>Neurology</i>	<i>Neuron</i>
<i>NeuroImage</i>		
<i>Neuroscience Letters</i>	<i>NeuroReport</i>	<i>Psychiatry Research</i>
<i>Science</i>		

ADVISORY BOARDS:

Institute for Magnetic Resonance Safety, Education and Research
Stanford University Center for Advanced Magnetic Resonance Technology
General Electric Medical Systems High Field MRI
UC San Diego HIV Neurobehavioral Research Center
UCSD CNS HIV Antiretroviral Therapy Effects Research Center
Summer Institute in Neuroimaging and Data Science, University of Washington. NIH R25
MH112480-02

FORMAL MRI CONSULTING ACTIVITIES (partial):

General Electric Medical Systems1994-2000
Resonance Technology Corporation..... 1993-present
Alfred E. Mann Foundation.....2000
University of Oregon.....2000
Varian Instruments.....2000-2002
Medical Imaging of Santa Monica..... 2002-present
University of Wisconsin.....2003-2004
Gamma Medica.....2004
O’Melveny and Myers (legal).....2004

ACTIVE

As PI:

5T90DA022768 (Cohen) 09/1/2006 - 08/31/2016 .24 calendar
NIH \$1,850,400 (total direct)

Comprehensive training in Neuroimaging Fundamentals and Applications.

The major goal of this study is to provide two years of training to graduate students in the fundamentals and applications of neuroimaging. Students in the NITP complete a year of graduate training in the Neurosciences, including fundamentals of Neuroanatomy, Systems Neuroscience, Neurophysiology and/or Cognitive Neuroscience, followed by a second year of graduate training which entails an intensive program in the tools of neuroimaging, including acquisition, data processing, analysis and experimental design.

As Co-Investigator

R01 MH095878 Green (PI) 07/01/2011 – 06/31/2016 .76 calendar
NIMH \$538,059 (FY 2012)

Visual Tuning and Performance in Schizophrenia and Bipolar Disorder

The proposed study will recruit 90 SZ patients, 90 BD patients and 90 healthy controls that will be group matched on key demographic variables. The subjects will participate in perceptual performance, electrophysiological (EEG), cognition, and functional magnetic resonance imaging (fMRI) procedures to address the following three aims: 1) To examine visual neural tuning in SZ using specialized EEG and fMRI methods; 2) To examine visual neural tuning cross-diagnostically among SZ, BD, and healthy controls with specialized EEG and fMRI methods; and 3) To examine the implications of visual tuning deficits in SZ, BD, and healthy controls for perceptual and higher-level cognitive domains.

Un-numbered (Cohen Co-PI) 01/2016 – 12/31/2018 1.2 Calendar
Tiny Blue Dot Foundation \$3,963,870 (total for three years)

Measuring Consciousness: from theory to practice

This is an unusual award from a private donor to fund collaborative work aimed at making instrumental measurements of consciousness. The team members are leading thinkers in the field: Christoph Koch, Giulio Tononi, Darin Dougherty, Mark George, Martin Monti, and Dr. Cohen. The aims of the first three years of funding are to test and apply Integrated Information Theory to the development of devices that measure the complexity of evoked neural signals as proxy measures of “ Φ ”, interpretable as degree of consciousness. The project is exceedingly ambitious, with a fifteen year plan to improve and validate these measures, and to apply them to pressing areas of research, that include both clinical and basic applications in understanding human cognition.

2P50 HD055784:06 (Bookheimer) 07/1/2007-06/31/2017 1.2 calendar
NICHD \$2,065,152 (FY 2012)

ACE Autism Center of Excellence

The major goal of this Center is determining the bases, consequences, and mutability of social communication deficits in autism.

1R43MH099709 UCLA subcontract
NIMH (Simpson, Subcontract to Mark Cohen) Subcontract total: \$164,408

Validation of a novel neurophysiological assessment tool for ADHD

The aims of this work are to: (1) Validity testing of an EEG-based (Neurophysiological Attention Test) NAT as an objective assessment instrument of neurophysiological processes of attentional control in ADHD and (2) Optimize the NAT EEG measures for differentiation of individuals with ADHD from control. The UCLA team, led by Mark Cohen, will recruit and screen all subjects in the project and acquire all the behavioral and EEG data. In addition, Drs. Cohen and Lenartowicz will contribute substantially to the creation of optimal metrics for analyzing the data and will guide the research team at Think Now in the use and interpretation of those metrics applied to the analyses of the data.

WM Keck Foundation (Co-PIs: Weiss P, Bertozzi A, Cohen M, Osher S) \$1,000,000

Leveraging Sparsity

Our goal is to leverage mathematical advances to transform the way imaging and related data are acquired, analyzed, and understood. The result will be richer, more meaningful, data through significant changes in how experiments are currently conducted and, in so doing, advancing the science of imaging. We propose critical tests of the advantages of sparsification using two diverse sets of experiments, in which leading mathematicians work closely with top imaging scientists. If these test cases are successful, the advances will apply broadly across many fields involving imaging. We are placed uniquely to develop the theory, to carry out the tests, to generalize the results, and to disseminate the tools we create.

1R43MH099709 (PI:Simpson, Subcontract to Mark Cohen)

UCLA subcontract

NIMH

Subcontract total: \$225,000 (*approx.*)

Validation of a novel neurophysiological assessment tool for ADHD

Disorders of attention and attention control are hallmark features of important psychiatric disorders including schizophrenia, the attention deficit disorders, bipolar disorder and many others. We have developed an innovative means of assessment of measuring attention that uses a combination of conventional and electrophysiological data to provide quantitative metrics of long and short term changes in attention. In this project we will develop and deploy a Sustained Attentional Control (SAC) training tool, distributed as a mobile application. We will assess the efficacy of this training in improving the subject's ability to focus attention.

Number not assigned (PI: Vesna)

06/01/2016 – 06/30/2019

as needed

UCLA FRG Program

\$20,000 (total direct)

Brainstorming.

Can people be trained to share their emotions and affect, and communicate through them? In “Brainstorming” we uses brain electrical signals (EEG) to coordinate the brain states of weather, in a project that incorporates modern neuroscience into artistic exploration.

No number assigned (Cohen)

06/01/2016 – 06/30/2019

0.8 calendar

National Academy Keck Futures Initiative \$80,000 (total direct)

SENTIENT ARCHITECTURAL SYSTEMS: transforming architecture by coupling human neurology to interactive responsive building environments.

Might future buildings begin to know and care about us? Might they start, in very primitive ways, to become alive?

A new generation of architecture can be developed to transform our conceptions of our built environment. This experimental research-creation program has profound implications: by developing practical methods coupling human consciousness with tomorrow's buildings, a new generation of architects and scientists can be equipped with essential skills and sensitive judgement for working with the potency of intelligent, self-renewing interactive architecture. Practical contributions in this research program address key challenges for intelligent buildings: how can we equip intelligent environments with empathy and curiosity? How can we ensure that rapidly-emerging technologies for interactive environments are healthy and satisfying?

Through multiple cycles of exchange where prototypes in test-beds alternate with trial applications of software and testing, Beesley and Cohen will explore the coupling of immersive architectural environments with the neural responses of individuals that inhabit them. The researchers will examine how architectural environments might be sentient, how they might influence human consciousness for those occupying these responsive spaces, and in turn, how new generations of control systems for interactive environments might be developed responding and resonating with human consciousness.

Unnumbered (PIs: **Cohen**, Dougherty, George, Koch, Monti, Tononi)

01/2016 – 12/31/2018

1.2 Calendar

Tiny Blue Dot Foundation \$3,963,870 (total for three years)

Measuring Consciousness: from theory to practice

This is an unusual award from a private donor to fund collaborative work aimed at making instrumental measurements of consciousness. The team members are leading thinkers in the field: Christoph Koch, Giulio Tononi, Darin Dougherty, Mark George, Martin Monti, and Dr. Cohen. The aims of the first three years of funding are to test and apply Integrated Information Theory to the development of devices that measure the complexity of evoked neural signals as proxy measures of “ Φ ”, interpretable as degree of consciousness. The project is exceedingly ambitious, with a fifteen year plan to improve and validate these measures, and to apply them to pressing areas of research, that include both clinical and basic applications in understanding human cognition.

Unnumbered (PIs: **Cohen**, Dougherty, George, Koch, Monti, Tononi)

01/2019 – 12/31/2028

Tiny Blue Dot Foundation Budget under review

Measuring Consciousness: from theory to practice

This is a continuation of the project of the same name initiated in 2016. We have received approval for continued funding. The new award is expected to be from five to ten times larger than the initial amount.

COMPLETED RESEARCH SUPPORT (as PI)

5 R33 DA026109-3 (Cohen) 09/01/2008 – 08/31/2013

3 calendar

NIH/NIDA \$1,592,816 (total direct)

Real-Time Automated Detection of Craving States with fMRI and EEG

The goal of this project is to develop, characterize and validate a method of real-time detection of cognitive states relevant to the study of drug abuse using concurrent electrophysiological recordings, first to enhance the state discriminations and, later, to serve potentially as a proxy for the neuroimaging brain-state data.

1R21MH096239 01A1 (Cohen) 06/11/2012 – 05/31/2014

0.6 calendar

NIH/NIMH \$423,500 (total direct)

Understanding attention-control across functional systems and temporal scales

By concurrent recording of instantaneous electrical activity (EEG) and slower fluctuations in regional metabolism during a variety of attentionally demanding tasks with multimodal distractors, this project will help to improve our understanding of the interactions between brain mechanisms that allows us to ignore distractions and to sustain attention for extended periods.

Korean Basic Science Institute 03/01/09-12/31/2010 In no cost extension
KBSI

Neuroimaging Studies of Hypnotically Induced Deception

Evaluate the validity of functional MRI (fMRI) as a method for the detection of deception, and compare it to the gold standard of polygraphy. Better understand the extent to which false memories may be created that are indistinguishable from true memories. Attempt to detect physiological changes that might differentiate false from true Memories. Study brain changes that occur under hypnosis, especially when the subjects are under hypnosis.

Role: Co-PI

R01DA013054 Cohen 8/20/1999 – 1/31/2004
NIH/NIDA

Real Time Imaging of Mental Activity

For the development and characterization of a novel software tool set for the immediate analysis of functional MRI and other medical images. It will take advantage of novel approaches to computation that enable both multi-platform interoperability and rapid execution.

1 R01-EY12722-01A1 (Cohen) 05/15/2000 - 04/30/2004
NIH/NEI

MRI of Inverted Vision: Plasticity of Visuospatial Maps

This research was designed to assess the plastic changes in cortex that we hypothesize occur in the face of grossly distorted visual input from inverting goggles. Functional MRI is used to derive retinotopic, spatiotopic and auditory maps following semi-chronic exposure to the inverting device.

1R21-DA13627-01 (Cohen) 06/25/2002 - 05/31/2004
NIH

Enabling Technologies in fMRI and Cigarette Smoking

This project centers on the design of a system for the controlled delivery of cigarette smoke to subjects during functional Magnetic Resonance Imaging, and the characterization of the drug delivery and the responses of the human brain to cigarette smoke. We will look at both global and local signal changes from the smoke *per se*, and at local changes in BOLD responses to external stimuli as a function of the cigarette exposure.

1R21-DA15549-01 (Cohen) 06/01/2002-05/31/2004
NIH

Simultaneous Electrophysiology and Functional MRI

This project proposes the development of methods to record extracellular potentials during functional MRI in order to understand better the coupling between BOLD signals and cellular activity.

OTHER COMPLETED SUPPORT (Partial)

1R01MH084955 (Altshuler) 7/1/09 – 6/30/14 .6 calendar
NIMH \$630,630 (total direct)
Mapping Brain Structure to Function in Euthymic Subjects with Bipolar Disorder.

Goal: To compare brain functional deficits in persons with bipolar disorder (observed during the performance of neuropsychological tasks during functional MRI) to gray and white matter volume data obtained from structural MRI.

8R21RR026238-01 (Hahn, Cal Inst. of Technology) 9/15/2010 – 6/30/2013 Effort as needed
NIBIB \$200,475 (FY2012)

A New Ultra-low field in-vivo EPR technology for biomedical applications

Using superconducting quantum interference detection in a low magnetic field we are performing electron spin resonance imaging experiments at energy levels compatible with in-vivo human imaging, a technique heretofore impossible. EPR has the advantage of superior chemical resolution and sensitivity. *This award is in no-cost time extension.*

5R01HD061504-02 (Asarnow) 4/9/10 – 3/31/15 Effort as needed
NICHD \$690,175 (FY 2012)

Reconnection of Neural Networks and Cognitive Recovery After Pediatric TBI

The study will explore the structure and function of brain systems that are particularly vulnerable to white matter disruptions caused by traumatic brain injury. By explicating mechanisms that underlie naturally-occurring white matter injury and repair, the proposed project will identify potential new targets for interventions designed to accelerate the process of neurocognitive recovery.

1 P50 MH077248-01 (McCracken) 9/01/2005-8/30/2011 1.57 calendar
NIMH \$1,233,777

CIDAR: Translational Research to Enhance Cognitive Control (TRECC)

The major goal of this CIDAR is to conduct translational research to examine brain circuit and pharmacology involved in attention deficit/hyperactivity disorder (ADHD) and chronic tic disorder (CTD).

P50 HD055784:01 (Geschwind, D.; Sigman, M.) 07/1/2007-06/31/2012 1.2 calendar
ACE Autism Center of Excellence \$1,497,970

The major goal of this Center is determining the bases, consequences, and mutability of social communication deficits in autism.

1T90DA22768 (Cohen) 09/1/2006 - 08/31/2011 .24 calendar
NIH \$1,461,579

Comprehensive training in Neuroimaging Fundamentals and Applications

The major goal of this study is to provide two years of training to graduate students in the fundamentals and applications of neuroimaging. Students in the NITP complete a year of graduate training in the Neurosciences, including fundamentals of Neuroanatomy, Systems Neuroscience, Neurophysiology and/or Cognitive Neuroscience, followed by a second year of graduate training which entails an intensive program in the tools of neuroimaging, including acquisition, data processing, analysis and experimental design.

P01 HD35470 Sigman (PI)

09/23/2002 - 05/31/2007

NIH

Determinants of Social Communication Skills in Autism

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

Role: Co-Investigator

R01 DA15179 London (PI)

07/01/2003 – 06/30/2006

NIH-NIDA

Early methamphetamine Abstinence: fMRI and Cognition

The major goal of this project is to use functional magnetic resonance imaging (fMRI) to delineate the abnormalities in the brain circuits of methamphetamine abusers that underlie the cognitive deficits that they exhibit.

Role: Investigator

R01 AG13308 Small (PI)

9/1/2000-8/31/2005

NIH/NIA

Functional MRI for Early Diagnosis of Alzheimer's Disease

Correlating changes in the pattern of fMRI activation with neuropsychological measures of cognitive an memory decline in a population of older individuals who are genetically at risk for Alzheimer's Disease, based on the presence of the APOE4 allele.

R01 DA14093 London (PI)

7/1/01 – 6/30/04

NIH/NIDA

Nicotine Withdrawal, Smoking and Cognition: an fMRI Study

We used functional imaging by MRI to understand the changes in attention and working memory that have been detected in smokers as a function of abstinence and satiety. This grant, rewarded originally to Mark Cohen, has been transferred to Dr. Edythe London, as PI

5 R01 EY11862 Engel (PI)

09/30/1999 – 09/29/2005

NIH/NEI

Color Processing in Human Cortex

This project uses functional MRI to identify populations of neurons in cortex that support color vision. Neural responses will be measured for stimuli that reveal stages in the perception of color. These responses will be compared to behavioral measures, help in to clarify the stages of cortical processing that result in color perception.

5R01DA015059 Brody (PI)

10/01/2002-09/30/2006

NIH/NIDA

Treatments for Nicotine Dependence: Brain Mechanisms

Using as interventions, bupropion HCl, practical group counseling, or placebo, this study seeks to determine changes in regional cerebral metabolic activation during presentation of cigarette-related cues from pre- to post-treatment, to determine changes in cue-induced cigarette craving from pre- to post- treatment, to determine changes in regional metabolism in the neural state from pre- to post-treatment and to determine pre- treatment regional brain metabolic predictors of response treatment.

R01 EY408313-08 Demer (PI)

NIH/NEI

“Biomechanical Analysis in Strabismus Surgery”

This research aims to understand the functional and neuroanatomical aspects of a newly developed biomechanical model of the extraocular musculature and its associated connective tissue through a combination of high resolution anatomical analysis, histopathologic study, direct magnetic resonance imaging of the orbital muscles including dynamic analysis of perfusion properties and biomechanical modeling and the incorporation of these into a computational model suitable for clinical use in surgical planning.

P01-AG024831-01 Small (PI)

9/01/05- 05/31/10

NIH/NIA

Amyloid Plaque and Tangle Imaging in Aging and Dementia

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.

1R01DA021754-01A1 Monterosso (PI)

9/1/07 - 6/30/09

NIH/NIDA

Neural recruitment during self-control of smoking: An fMRI paradigm

Recent studies have used functional magnetic resonance imaging (fMRI) to identify neural substrates of reward, which include striatal, midbrain, and mesial forebrain regions. We use fMRI to examine a basic property of reward well studied in the behavioral sciences – the devaluation of anticipated rewards proportional to their delay. This property (“temporal discounting”) is central to addiction, where recovery taxes the capacity to delay gratification.

1P20 RR020750 Bilder, Robert (PI)

09/28/2004-7/31/2007

NIH/NCRR

Cognitive Phenotyping for Neuropsychiatric Therapeutics

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.

Role: Investigator

R01 MH65079 Cannon, Tyrone (PI)

12/01/2002 – 11/30/2007

NIH/NIMH

Working Memory and Social Functioning in Schizophrenia

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.

P50 MH066286 Cannon, Tyrone (PI)
NIH/NIMH

07/01/2003 – 06/30/2008

Encoding and Retrieval Processes in Long-Term Memory

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.

ROLE: Investigator (Nuechterlein, Center PI)

“VISN22 Mental Illness Research Education and Clinical Center”

Veterans Administration

PI: Stephen Marder

The MIRECC is dedicated to improving the long-term functional outcome of individuals with psychotic disorders through innovative research, clinical care and educational programs. The center consists of a Neuroimaging core, a Data core, a Neuroscience unit, a Treatment unit, a Health Services unit and an Education unit.

R01 NS33310 Jerome Engel (PI)

07/01/2000 – 06/30/2004

NIH/NINDS

In Vivo Studies of the Epileptic Hippocampus”

Capitalizing on results from models of epilepsy in lab animals, this project will characterize the fast-ripple (FR) discharges in the human hippocampus and their association with sites of seizure initiation. The project uses high-resolution MR imaging of the affected structures to precisely indicate electrode locations and to investigate local structural abnormalities. Importantly, this program is linked tightly to Dr. Cohen’s current investigations into the combined measurement of electrical and functional MRI signals.

PATENTS

1. **MS Cohen**, inventor; The Regents of the University of California (Oakland, CA, US), assignee. *“Method and apparatus for reducing contamination of an electrical signal”*. United States of America. Patent 7286871. 2003.
2. D Strick Rivera, JW Judy, **MS Cohen**, DJ Mills, inventors; Regents of the University of California, assignee. *“Magnetic Resonance Microcoil and Method of Use”*. United States of America. Patent 13/390,035. 2009.
3. I Hahn, PK Day, KI Penanen, BH Eom, **MS Cohen**, inventors; California Institute of Technology, Regents of the University of California, assignee. *“Low Field Paramagnetic Resonance Imaging with SQUID Detection”*. United States of America. Patent 8179135. 2012 Jan 26, 2009.
4. C Rodriguez, **MS Cohen**, inventors; Regents of the University of California, assignee. *“Fully automated localization of electroencephalography (EEG) electrodes”*. United States of America. Patent 2014 5/16/2013.

5. C Rodriguez, **MS Cohen**, A Lenartowicz, inventors; Regents of the University of California, assignee. “*Systems and methods for measuring cardiac timing from a ballistocardiogram*”. United States of America. Patent 2014 5/20/2014.
6. **MS Cohen**, inventor; Mark S. Cohen, assignee. “*MRI Camera System*”. United States of America. Patent 2017 11/9/2017.
7. A Lenartowicz, **MS Cohen**, inventors; Regents of the University of California, assignee. “*Enhanced wearable attention monitor*”. United States of America. Patent 2018 May 25, 2018.

RESEARCH PAPERS – PEER REVIEWED (See also: tinurl.com/MSCohenBiblio)

1. **MS Cohen**, RH Britt. “*Effects of sodium pentobarbital, ketamine, halothane, and chloralose on brainstem auditory evoked responses.*” *Anesthesia and Analgesia*. 1982;61(4):338-43. PubMed PMID: WOS:A1982NK75100005.
2. K Ezure, **MS Cohen**, VJ Wilson. “*Response of cat semicircular canal afferents to sinusoidal polarizing currents: implications for input-output properties of second-order neurons.*” *Journal of Neurophysiology*. 1983;49(3):639-48. PubMed PMID: WOS:A1983QF96300006.
3. **MS Cohen**, DW Pfaff. “*On-line data acquisition system using an Apple computer: ISI and PST histograms.*” *Brain Research Bulletin*. 1984;13(1):205-23. doi: 10.1016/0361-9230(84)90024-8. PubMed PMID: WOS:A1984TJ38600022.
4. **MS Cohen**, S Schwartz-Giblin, DW Pfaff. “*The pudendal nerve-evoked response in axial muscle.*” *Experimental Brain Research*. 1985;61(1):175-85.
5. **MS Cohen**, S Schwartz-Giblin, DW Pfaff. “*Brainstem reticular stimulation facilitates back muscle motoneuronal responses to pudendal nerve input.*” *Brain Research*. 1987;405(1):155-8.
6. **MS Cohen**, S Schwartz-Giblin, DW Pfaff. “*Effects of total and partial spinal transections on the pudendal nerve-evoked response in rat lumbar axial muscle.*” *Brain Research*. 1987;401(1):103-12.
7. EC Unger, **MS Cohen**, RA Gatenby, MR Clair, TR Brown, SJ Nelson, JS McGlone. “*Single breath-holding scans of the abdomen using FISP and FLASH at 1.5 T.*” *J Comput Assist Tomogr*. 1988;12(4):575-83. doi: 10.1097/00004728-198807000-00006. PubMed PMID: WOS:A1988P308500006.
8. E Unger, A Darkazanli, **MS Cohen**. “*Fast MR scanning reduces artifacts in the abdomen.*” *Diagnostic Imaging*. 1989;11(11):248-56.
9. EC Unger, **MS Cohen**, TR Brown. “*Gradient-echo imaging of hemorrhage at 1.5 Tesla.*” *Magnetic Resonance Imaging*. 1989;7(2):163-72. doi: 10.1016/0730-725x(89)90700-5. PubMed PMID: WOS:A1989U280200008.
10. JW Belliveau, BR Rosen, HL Kantor, RR Rzedzian, DN Kennedy, RC McKinstry, JM Vevea, **MS Cohen**, IL Pykett, TJ Brady. “*Functional cerebral imaging by susceptibility-contrast NMR.*” *Magnetic Resonance in Medicine*. 1990;14(3):538-46. Epub 1990/06/01. PubMed PMID: 2355835.

11. **MS Cohen**, RM Weisskoff, RR Rzedzian, HL Kantor. "Sensory stimulation by time-varying magnetic fields." *Magnetic Resonance in Medicine*. 1990;14(2):409-14. doi: 10.1002/mrm.1910140226. PubMed PMID: WOS:A1990DB71400025.
12. JW Belliveau, **MS Cohen**, RM Weisskoff, BR Buchbinder, BR Rosen. "Functional studies of the human brain using high-speed magnetic resonance imaging." *Journal of Neuroimaging*. 1991;1(1):36-41. Epub 1991/02/01. PubMed PMID: 10183948.
13. JW Belliveau, DN Kennedy, Jr., RC McKinstry, BR Buchbinder, RM Weisskoff, **MS Cohen**, JM Vevea, TJ Brady, BR Rosen. "Functional mapping of the human visual cortex by magnetic resonance imaging." *Science*. 1991;254(5032):716-9. Epub 1991/11/11. PubMed PMID: 1948051.
14. AR Bleier, FA Jolesz, **MS Cohen**, RM Weisskoff, JJ Dalcanton, N Higuchi, DA Feinberg, BR Rosen, RC McKinstry, SG Hushek. "Real-time magnetic resonance imaging of laser heat deposition in tissue." *Magnetic Resonance in Medicine*. 1991;21(1):132-7. doi: 10.1002/mrm.1910210116. PubMed PMID: WOS:A1991GD98700014.
15. TJ Brady, **MS Cohen**, RM Weisskoff, BR Rosen. "Equipment requirements to facilitate contrast-enhanced MR imaging." *Magnetic Resonance in Medicine*. 1991;22(2):273-9; discussion 80-1. doi: 10.1002/mrm.1910220223. PubMed PMID: WOS:A1991GV21100017.
16. **MS Cohen**, RM Weisskoff. "Ultra-fast imaging." *Magnetic Resonance Imaging*. 1991;9(1):1-37. doi: 10.1016/0730-725x(91)90094-3. PubMed PMID: WOS:A1991EZ43200001.
17. B Rosen, J Belliveau, B Buchbinder, K Kwong, L Porkka, R Fisel, R Weisskoff, M Neuder, H Aronen, **MS Cohen**, A Hopkins, T Brady. "Contrast agents and cerebral hemodynamics." *Magnetic Resonance in Medicine*. 1991;19:285-92. doi: 10.1002/mrm.1910190216. PubMed PMID: WOS:A1991FQ24300015.
18. BR Rosen, JW Belliveau, HJ Aronen, D Kennedy, BR Buchbinder, A Fischman, M Gruber, J Glas, RM Weisskoff, **MS Cohen**, et al. "Susceptibility contrast imaging of cerebral blood volume: human experience." *Magnetic Resonance in Medicine*. 1991;22(2):293-9; discussion 300-3. doi: 10.1002/mrm.1910220227. PubMed PMID: WOS:A1991GV21100020.
19. JW Belliveau, KK Kwong, DN Kennedy, JR Baker, CE Stern, R Benson, DA Chesler, RM Weisskoff, **MS Cohen**, RB Tootell, PT Fox, TJ Brady. "Magnetic resonance imaging mapping of brain function. Human visual cortex." *Investigative Radiology*. 1992;27 Suppl 2:S59-S65. doi: 10.1097/00004424-199212002-00011. PubMed PMID: WOS:A1992KC70000011.
20. **MS Cohen**. "Functional Magnetic Resonance Imaging of the Human Brain." *Epilepsia*. 1992;33(supple 3):2.
21. **MS Cohen**, BR Rosen, TJ Brady. "Ultrafast MRI permits expanded clinical role." *MR*. 1992:26-37.
22. **MS Cohen**, BR Rosen, TJ Brady. "Breaking the speed limit in MRI." *Magnetic Resonance Imaging*. 1992;2:26-37.

23. AP Crawley, **MS Cohen**, EK Yucel, B Poncelet, TJ Brady. "Single-shot magnetic resonance imaging: applications to angiography." *Cardiovascular and Interventional Radiology*. 1992;15(1):32-42.
24. PF Hahn, S Saini, **MS Cohen**, M Goldberg, P Reimer, PR Mueller. "An aqueous gastrointestinal contrast agent for use in echo-planar MR imaging." *Magnetic Resonance in Medicine*. 1992;25(2):380-3. doi: 10.1002/mrm.1910250218. PubMed PMID: WOS:A1992HX35600017.
25. KK Kwong, JW Belliveau, DA Chesler, IE Goldberg, RM Weisskoff, BP Poncelet, DN Kennedy, BE Hoppel, **MS Cohen**, R Turner. "Dynamic magnetic resonance imaging of human brain activity during primary sensory stimulation." *Proceedings of the National Academy of Science U S A*. 1992;89(12):5675-9. PubMed PMID: 1608978; PMCID: 1608978.
26. BP Poncelet, VJ Wedeen, RM Weisskoff, **MS Cohen**. "Brain parenchyma motion: measurement with cine echo planar MR imaging." *Radiology*. 1992;185(3):645-51. PubMed PMID: WOS:A1992JZ34700010.
27. BP Poncelet, VJ Wedeen, RM Weisskoff, **MS Cohen**, G Holmvang, TJ Brady, HL Kantor. "Quantification of the LAD coronary flow with magnetic resonance echo-planar imaging." *Circulation*. 1992;86(4):476-. PubMed PMID: WOS:A1992JT66001912.
28. P Reimer, KK Kwong, R Weisskoff, **MS Cohen**, TJ Brady, R Weissleder. "Dynamic signal intensity changes in liver with superparamagnetic MR contrast agents." *Journal of Magnetic Resonance Imaging*. 1992;2(2):177-81. doi: 10.1002/jmri.1880020210. PubMed PMID: WOS:A1992HK05600006.
29. P Reimer, S Saini, PF Hahn, PR Mueller, TJ Brady, **MS Cohen**. "Techniques for high-resolution echo-planar MR imaging of the pancreas." *Radiology*. 1992;182(1):175-9. PubMed PMID: WOS:A1992GW05400034.
30. HJ Aronen, **MS Cohen**, JW Belliveau, JA Fordham, BR Rosen. "Ultrafast imaging of brain tumors." *Topics in Magnetic Resonance Imaging*. 1993;5(1):14-24.
31. **MS Cohen**. "Echo Planar Magnetic Resonance Angiography." *Magn Reson Imaging Clin N Am*. 1993;1(2):359-65. PubMed PMID: 7584230.
32. **MS Cohen**, J Fordham. "Developments In Magnetic Resonance Imaging." *Investigative Radiology*. 1993;28 Suppl 4(S4):S32-S7. PubMed PMID: 8225900.
33. M Goldberg, P Hahn, S Saini, **MS Cohen**, P Reimer, T Brady, P Mueller. "Value of T1 and T2 relaxation times from echoplanar MR imaging in the characterization of focal hepatic lesions." *AJR Am J Roentgenol*. 1993;160:1011-7.
34. MA Goldberg, EK Yucel, S Saini, PF Hahn, JA Kaufman, **MS Cohen**. "MR angiography of the portal and hepatic venous systems: preliminary experience with echoplanar imaging." *AJR Am J Roentgenol*. 1993;160(1):35-40.
35. P Reimer, S Saini, PF Hahn, **MS Cohen**, 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*. 1993;159(1):16-21. PubMed PMID: 8334251.

36. *RM Weisskoff, MS Cohen, RR Rzedzian. "Nonaxial whole-body instant imaging." Magnetic Resonance in Medicine. 1993;29(6):796-803. doi: 10.1002/mrm.1910290612. PubMed PMID: WOS:A1993LF39300011.*
37. *MS Cohen, SY Bookheimer. "Localization of brain function using magnetic resonance imaging." Trends in Neuroscience. 1994;17(7):268-77. doi: 10.1016/0166-2236(94)90055-8. PubMed PMID: WOS:A1994NU35200002.*
38. *P Reimer, S Saini, PF Hahn, TJ Brady, MS Cohen. "Clinical application of abdominal echoplanar imaging (EPI): optimization using a retrofitted EPI system." J Comput Assist Tomogr. 1994;18(5):673-9. doi: 10.1097/00004728-199409000-00001. PubMed PMID: WOS:A1994PG29200001.*
39. *P Reimer, S Saini, KK Kwong, MS Cohen, R Weissleder, 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. 1994;4(3):331-5. doi: 10.1002/jmri.1880040318. PubMed PMID: WOS:A1994NP29200014.*
40. *S Saini, P Reimer, PF Hahn, 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. 1994;163(6):1389-93.*
41. *DG Disler, MS Cohen, DE Krebs, SH Roy, 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. 1995;5(5):588-93. doi: 10.1002/jmri.1880050519. PubMed PMID: WOS:A1995RX13100017.*
42. *F Huang-Hellinger, HC Breiter, G McCormack, MS Cohen, KK Kwong, J Sutton, RL Savoy, RM Weisskoff, TL Davis, J Baker, JW Belliveau, BR Rosen. "Simultaneous Functional Magnetic Resonance Imaging and Electrophysiological Recording." Human Brain Mapping. 1995;3:13-23. doi: 10.1002/hbm.460030103. PubMed PMID: WOS:A1995TU28700002.*
43. *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, BR Rosen. "Functional magnetic resonance imaging of symptom provocation in obsessive-compulsive disorder." Archives of General Psychiatry. 1996;53(7):595-606. PubMed PMID: WOS:A1996UW18200005.*
44. *MS Cohen. "Functional MRI: A Phrenology for the 1990's?" Journal of Magnetic Resonance Imaging. 1996;6:273-4. doi: 10.1002/jmri.1880060202. PubMed PMID: WOS:A1996UG27500001.*
45. *MS Cohen, SM Kosslyn, HC Breiter, GJ DiGirolamo, WL Thompson, SY Bookheimer, JW Belliveau, BR Rosen. "Changes in Cortical Activity During Mental Rotation: A mapping study using functional magnetic resonance imaging." Brain. 1996;119:89-100. doi: 10.1093/brain/119.1.89. PubMed PMID: WOS:A1996UA99300007.*
46. *MS Mega, LQ Xu, TJ Karaca, LL Altshuler, BA Payne, MS Cohen, GW Small, JL Cummings, AW Toga. "Standardization of MRI volumetric studies: Hippocampal atrophy predates clinical symptoms in individuals at risk for Alzheimer's disease." Neurology. 1996;46(2):1063-. PubMed PMID: WOS:A1996UA47600072.*

47. **MS Cohen.** "Quantitative Assessment of Perfusion by Magnetic Resonance." *Neurology Network Commentary*. 1997;1(5):315-9.
48. **MS Cohen.** "Parametric analysis of fMRI data using linear systems methods." *NeuroImage*. 1997;6(2):93-103. PubMed PMID: 9299383.
49. **MS Cohen, D Baird.** "Why Trade?: How zones of trade support epistemic stability." *Perspectives on Science*. 1999;7(2):231-54.
50. **MS Cohen, RM DuBois.** "Stability, repeatability, and the expression of signal magnitude in functional magnetic resonance imaging." *Journal of Magnetic Resonance Imaging*. 1999;10(1):33-40. doi: 10.1002/(sici)1522-2586(199907)10:1<33::aid-jmri5>3.0.co;2-n. PubMed PMID: WOS:000081199600005.
51. **SY Bookheimer, MH Strojwas, MS Cohen, AM Saunders, MA Pericak-Vance, JC Mazziotta, GW Small.** "Patterns of brain activation in people at risk for Alzheimer's disease." *New England Journal of Medicine*. 2000;343(7):450-6. doi: 10.1056/nejm200008173430701. PubMed PMID: WOS:000088747700001.
52. **MS Cohen, RM DuBois, MM Zeineh.** "Rapid and effective correction of RF inhomogeneity for high field magnetic resonance imaging." *Hum Brain Mapping*. 2000;10(4):204-11. doi: 10.1002/1097-0193(200008)10:4<204::aid-hbm60>3.0.co;2-2. PubMed PMID: WOS:000088595200006.
53. **RM DuBois, MS Cohen.** "Spatiotopic organization in human superior colliculus observed with fMRI." *NeuroImage*. 2000;12(1):63-70. doi: 10.1006/nimg.2000.0590. PubMed PMID: WOS:000088317700007.
54. **WD Gaillard, SY Bookheimer, MS Cohen.** "The use of fMRI in neocortical epilepsy." *Advances in Neurology*. 2000;84:391-404. PubMed PMID: WOS:000173887800030.
55. **R Goldman, J Stern, J Engel, MS Cohen.** "Acquiring Simultaneous EEG and Functional MRI." *Clinical Neurophysiology*. 2000;111(11):1974-80. doi: 10.1016/s1388-2457(00)00456-9. PubMed PMID: WOS:000165639400012.
56. **JB Arnold, JS Liow, KA Schaper, JJ Stern, JG Sled, DW Shattuck, AJ Worth, MS Cohen, RM Leahy, JC Mazziotta, DA Rottenberg.** "Qualitative and quantitative evaluation of six algorithms for correcting intensity nonuniformity effects." *NeuroImage*. 2001;13(5):931-43. doi: 10.1006/nimg.2001.0756. PubMed PMID: WOS:000168497400015.
57. **MS Cohen.** "Practical Aspects in the Design of Mind Reading Instruments." *American Journal of Neuroradiology*. 2001.
58. **MS Cohen.** "A data compression method for image time series." *Hum Brain Mapp*. 2001;12(1):20-4. doi: 10.1002/1097-0193(200101)12:1<20::aid-hbm20>3.3.co;2-e. PubMed PMID: WOS:000166179800002.
59. **MS Cohen.** "Real-time functional magnetic resonance imaging." *Methods*. 2001;25(2):201-20. doi: 10.1006/meth.2001.1235. PubMed PMID: WOS:000173696900006.
60. **D Glahn, S Bavat, MS Cohen, V Poutanen, B Therman, T Van Erpt, M Manninen, M Huttunen, J Lonngvist, C Standerskjold-Nordenstam.** "Towards a functional atlas for visuospatial working memory: Consistency of activation patterns in healthy volunteers." *NeuroImage*. 2001;13(6):126.

61. SY Oh, V Poukens, **MS Cohen**, JL Demer. "Structure-function correlation of laminar vascularity in human rectus extraocular muscles." *Invest Ophthalmol Vis Sci*. 2001;42(1):17-22. PubMed PMID: WOS:000166159400004.
62. DC Glahn, J Kim, **MS Cohen**, VP Poutanen, S Therman, S Bava, TG Van Erp, M Manninen, M Huttunen, J Lonnqvist, CG Standertskjold-Nordenstam, TD Cannon. "Maintenance and manipulation in spatial working memory: dissociations in the prefrontal cortex." *NeuroImage*. 2002;17(1):201-13. doi: 10.1006/nimg.2002.1161. PubMed PMID: WOS:000178102000014.
63. RI Goldman, JM Stern, J Engel, Jr., **MS Cohen**. "Simultaneous EEG and fMRI of the alpha rhythm." *Neuroreport*. 2002;13(18):2487-92. doi: 10.1097/00001756-200212200-00022. PubMed PMID: WOS:000180673200022.
64. JK Kroger, FW Sabb, CL Fales, SY Bookheimer, **MS Cohen**, KJ Holyoak. "Recruitment of anterior dorsolateral prefrontal cortex in human reasoning: a parametric study of relational complexity." *Cerebral Cortex*. 2002;12(5):477-85. doi: 10.1093/cercor/12.5.477. PubMed PMID: WOS:000175159800003.
65. NL Sicotte, RR Voskuhl, S Bouvier, R Klutch, **MS Cohen**, JC Mazziotta. "Comparison of multiple sclerosis lesions at 1.5 and 3.0 Tesla." *Investigative Radiology*. 2003;38(7):423-7. doi: 10.1097/00004424-200307000-00007. PubMed PMID: WOS:000183917800007.
66. J Stern, R Goldman, Z Bilusic, J Engel, **MS Cohen**. "fMRI CORRELATES TO CONTRALATERAL INTERICTAL EPILEPTIFORM DISCHARGES." *Epilepsia*. 2003;44((9)).
67. EA Vessel, I Biederman, **MS Cohen**. "How opiate activity may determine spontaneous visual selection." *Journal of Vision*. 2003;3(9):6. doi: 10.1167/3.9.6.
68. E Martinez-Montes, PA Valdes-Sosa, F Miwakeichi, RI Goldman, **MS Cohen**. "Concurrent EEG/fMRI analysis by multiway Partial Least Squares." *NeuroImage*. 2004;22(3):1023-34. doi: 10.1016/j.neuroimage.2004.03.038. PubMed PMID: WOS:000222423200001.
69. EA Vessel, I Biederman, **MS Cohen**. "Parahippocampal fMRI Activity is Modulated by Scene Type." *Journal of Vision*. 2004;4(8):886.
70. L Altshuler, S Bookheimer, MA Proenza, J Townsend, F Sabb, A Firestone, G Bartzokis, J Mintz, J Mazziotta, **MS Cohen**. "Increased amygdala activation during mania: a functional magnetic resonance imaging study." *American Journal of Psychiatry*. 2005;162(6):1211-3. Epub 2005/06/03. doi: 10.1176/appi.ajp.162.6.1211. PubMed PMID: 15930074.
71. LL Altshuler, SY Bookheimer, J Townsend, MA Proenza, N Eisenberger, F Sabb, J Mintz, **MS Cohen**. "Blunted Activation in Orbitofrontal Cortex During Mania: A Functional Magnetic Resonance Imaging Study." *Biological Psychiatry*. 2005;58(10):763-9. doi: 10.1016/j.biopsych.2005.09.012. PubMed PMID: WOS:000233548300001; PMCID: 16310510.
72. R Bhidayasiri, JM Bronstein, S Sinha, SE Krahl, S Ahn, EJ Benhke, **MS Cohen**, R Frysinger, 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*. 2005;23(4):549-55.

73. TD Cannon, DC Glahn, J Kim, TG Van Erp, K Karlsgodt, **MS Cohen**, KH Nuechterlein, S Bava, D Shirinyan. "Dorsolateral prefrontal cortex activity during maintenance and manipulation of information in working memory in patients with schizophrenia." *Archives of General Psychiatry*. 2005;62(10):1071-80. Epub 2005/10/06. doi: 10.1001/archpsyc.62.10.1071. PubMed PMID: 16203952; PMCID: 16203952.
74. MF Green, D Glahn, SA Engel, KH Nuechterlein, F Sabb, M Strojwas, **MS Cohen**. "Regional brain activity associated with visual backward masking." *J Cogn Neurosci*. 2005;17(1):13-23. doi: 10.1162/0898929052880011. PubMed PMID: WOS:000226542500002.
75. KH Karlsgodt, D Shirinyan, TG van Erp, **MS Cohen**, TD Cannon. "Hippocampal activations during encoding and retrieval in a verbal working memory paradigm." *NeuroImage*. 2005;25(4):1224-31. doi: 10.1016/j.neuroimage.2005.01.038. PubMed PMID: WOS:000229011200020; PMCID: 15850740.
76. J Xu, A Mendrek, **MS Cohen**, J Monterosso, P Rodriguez, SL Simon, A Brody, M Jarvik, CP Domier, R Olmstead, M Ernst, ED London. "Brain activity in cigarette smokers performing a working memory task: effect of smoking abstinence." *Biological Psychiatry*. 2005;58(2):143-50. doi: 10.1016/j.biopsych.2005.03.028. PubMed PMID: WOS:000230605300008.
77. R Bhidayasiri, JM Bronstein, **MS Cohen**, FG Shellock. "Response to letter to the editor." *Magnetic Resonance Imaging*. 2006;24(5):679-80. PubMed PMID: 16735194.
78. A Mendrek, J Monterosso, SL Simon, M Jarvik, A Brody, R Olmstead, CP Domier, **MS Cohen**, M Ernst, ED London. "Working memory in cigarette smokers: comparison to non-smokers and effects of abstinence." *Addict Behav*. 2006;31(5):833-44. doi: 10.1016/j.addbeh.2005.06.009. PubMed PMID: WOS:000237743700009.
79. J Xu, A Mendrek, **MS Cohen**, J Monterosso, S Simon, AL Brody, M Jarvik, P Rodriguez, M Ernst, ED London. "Effects of acute smoking on brain activity vary with abstinence in smokers performing the N-Back Task: A preliminary study." *Psychiatry Research*. 2006;148(2-3):103-9. doi: 10.1016/j.psychresns.2006.09.005. PubMed PMID: WOS:000242885800003.
80. AL Brody, MA Mandelkern, RE Olmstead, J Jou, E Tjongson, V Allen, D Scheibal, ED London, JR Monterosso, ST Tiffany, A Korb, JJ Gan, **MS Cohen**. "Neural substrates of resisting craving during cigarette cue exposure." *Biological Psychiatry*. 2007;62(6):642-51. Epub 2007/01/16. doi: 10.1016/j.biopsych.2006.10.026. PubMed PMID: 17217932; PMCID: 1992815.
81. KH Karlsgodt, DC Glahn, TG van Erp, S Therman, M Huttunen, M Manninen, J Kaprio, **MS Cohen**, J Lonnqvist, TD Cannon. "The relationship between performance and fMRI signal during working memory in patients with schizophrenia, unaffected co-twins, and control subjects." *Schizophrenia Research*. 2007;89(1-3):191-7. Epub 2006/10/13. doi: 10.1016/j.schres.2006.08.016. PubMed PMID: 17029749; PMCID: 17029749.

82. J Xu, A Mendrek, **MS Cohen**, J Monterosso, S Simon, M Jarvik, R Olmstead, AL Brody, M Ernst, ED London. "Effect of cigarette smoking on prefrontal cortical function in nondeprived smokers performing the Stroop Task." *Neuropsychopharmacology*. 2007;32(6):1421-8. Epub 2006/12/14. doi: 1301272 [pii] 10.1038/sj.npp.1301272. PubMed PMID: 17164821.
83. M Akhtari, A Bragin, **MS Cohen**, R Moats, F Brenker, MD Lynch, HV Vinters, J Engel, Jr. "Functionalized magnetonanoparticles for MRI diagnosis and localization in epilepsy." *Epilepsia*. 2008;49(8):1419-30. Epub 2008/05/16. doi: EPI1615 [pii] 10.1111/j.1528-1167.2008.01615.x. PubMed PMID: 18479391; PMCID: 2685186.
84. L Altshuler, S Bookheimer, J Townsend, MA Proenza, F Sabb, J Mintz, **MS Cohen**. "Regional brain changes in bipolar I depression: a functional magnetic resonance imaging study." *Bipolar Disord*. 2008;10(6):708-17. Epub 2008/10/08. doi: 10.1111/j.1399-5618.2008.00617.x. PubMed PMID: 18837865; PMCID: 3260079.
85. S Harris, SA Sheth, **MS Cohen**. "Functional neuroimaging of belief, disbelief, and uncertainty." *Annals of Neurology*. 2008;63(2):141-7. Epub 2007/12/12. doi: 10.1002/ana.21301. PubMed PMID: 18072236.
86. DS Strick, RL Nunnally, JC Smith, W Clark, DJ Mills, **MS Cohen**, JW Judy. "Towards a microcoil for intracranial and intraductal MR microscopy." *Conference proceedings : Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Conference*. 2008;2008:2047-50. Epub 2009/01/24. doi: 10.1109/iembs.2008.4649594. PubMed PMID: 19163097; PMCID: 3196548.
87. JK Wynn, MF Green, S Engel, A Korb, J Lee, D Glahn, KH Nuechterlein, **MS Cohen**. "Increased extent of object-selective cortex in schizophrenia." *Psychiatry Research*. 2008;164(2):97-105. Epub 2008/10/22. doi: S0925-4927(08)00021-8 [pii] 10.1016/j.psychresns.2008.01.005. PubMed PMID: 18938066; PMCID: 2683746.
88. MF Green, J Lee, **MS Cohen**, SA Engel, AS Korb, KH Nuechterlein, JK Wynn, DC Glahn. "Functional neuroanatomy of visual masking deficits in schizophrenia." *Archives of General Psychiatry*. 2009;66(12):1295-303. Epub 2009/12/10. doi: 66/12/1295 [pii] 10.1001/archgenpsychiatry.2009.132. PubMed PMID: 19996034; PMCID: 2907419.
89. S Harris, JT Kaplan, A Curiel, SY Bookheimer, M Iacoboni, **MS Cohen**. "The neural correlates of religious and nonreligious belief." *PLoS One*. 2009;4(10):e0007272. Epub 2009/10/02. doi: 10.1371/journal.pone.0007272. PubMed PMID: 19794914.
90. D Strick, **MS Cohen**, W Clark, D Mills, A Chu, J Judy. "Intraductal micro magnetic resonance imaging and spectroscopy." *BMC Proceedings*. 2009;3(5):1.
91. A Anderson, ID Dinov, JE Sherin, J Quintana, AL Yuille, **MS Cohen**. "Classification of spatially unaligned fMRI scans." *NeuroImage*. 2010;49(3):2509-19. doi: 10.1016/j.neuroimage.2009.08.036. PubMed PMID: 19712744; PMCID: 2846648.
92. PK Douglas, **MS Cohen**, JJ DiStefano III. "Chronic exposure to Mn Inhalation may have lasting effects: A physiologically-based toxicokinetic model in rat." *Toxicological & Environmental Chemistry*. 2010;92(2):279-99.

93. *J Lee, MS Cohen, SA Engel, D Glahn, KH Nuechterlein, JK Wynn, MF Green. "Regional brain activity during early visual perception in unaffected siblings of schizophrenia patients." Biological Psychiatry. 2010;68(1):78-85. Epub 2010/05/25. doi: 10.1016/j.biopsych.2010.03.028. PubMed PMID: 20494338; PMCID: 2921272.*
94. *D Rivera, J Judy, W Clarke, D Mills, A Chu, MS Cohen. "Towards a Microspectroscopy Catheter for Early-Stage Breast Cancer Detection." Proc Intl Soc Mag Reson Med. 2010;18:2500.*
95. *A Anderson, J Bramen, PK Douglas, A Lenartowicz, A Cho, C Culbertson, AL Brody, AL Yuille, MS Cohen. "Large Sample Group Independent Component Analysis of Functional Magnetic Resonance Imaging Using Anatomical Atlas-Based Reduction and Bootstrapped Clustering." Int J Imaging Syst Technol. 2011;21(2):223-31. Epub 2011/11/04. doi: 10.1002/ima.20286. PubMed PMID: 22049263; PMCID: 3204794.*
96. *A Anderson, JS Labus, EP Vianna, EA Mayer, MS Cohen. "Common component classification: what can we learn from machine learning?" NeuroImage. 2011;56(2):517-24. doi: 10.1016/j.neuroimage.2010.05.065. PubMed PMID: 20599621; PMCID: 2966513.*
97. *A Bystritsky, AS Korb, PK Douglas, MS Cohen, WP Melega, AP Mulgaonkar, A DeSalles, BK Min, SS Yoo. "A review of low-intensity focused ultrasound pulsation." Brain stimulation. 2011;4(3):125-36. doi: 10.1016/j.brs.2011.03.007. PubMed PMID: 21777872.*
98. *CS Culbertson, J Bramen, MS Cohen, ED London, RE Olmstead, JJ Gan, MR Costello, S Shulenger, MA Mandelkern, AL Brody. "Effect of bupropion treatment on brain activation induced by cigarette-related cues in smokers." Archives of General Psychiatry. 2011;68(5):505-15. Epub 2011/01/05. doi: 10.1001/archgenpsychiatry.2010.193. PubMed PMID: 21199957; PMCID: 21199957.*
99. *PK Douglas, S Harris, A Yuille, MS Cohen. "Performance comparison of machine learning algorithms and number of independent components used in fMRI decoding of belief vs. disbelief." NeuroImage. 2011;56(2):544-53. Epub 2010/11/16. doi: 10.1016/j.neuroimage.2010.11.002. PubMed PMID: 21073969; PMCID: 3099263.*
100. *PK Douglas, K Kelson, A Shaikh, J Brown, MS Cohen. "Manganese Induced Parkinsonism: Cellular, Systems, and Clinical Aspects Considered." Critical Reviews in Toxicology. 2011.*
101. *PO Harvey, J Lee, MS Cohen, SA Engel, DC Glahn, KH Nuechterlein, JK Wynn, MF Green. "Altered dynamic coupling of lateral occipital complex during visual perception in schizophrenia." NeuroImage. 2011;55(3):1219-26. doi: 10.1016/j.neuroimage.2010.12.045. PubMed PMID: 21194569; PMCID: 3049854.*
102. *A Anderson, MS Cohen. "Identifying Unique Features in Latent Generative Models: Medicinally-Induced fMRI Networks in Bupropion Trials." NIPS. 2012.*
103. *MS Cohen. "Bad advice, not young scientists, should hit the road." Science. 2012;335(6070):794. Epub 2012/02/22. doi: 10.1126/science.335.6070.794-a. PubMed PMID: 22344424.*
104. *MS Cohen, F Schmitt. "Echo planar imaging before and after fMRI: A personal history." NeuroImage. 2012. Epub 2012/01/24. doi: 10.1016/j.neuroimage.2012.01.038. PubMed PMID: 22266173.*

105. JB Colby, JD Rudie, JA Brown, PK Douglas, **MS Cohen**, Z Shehzad. "Insights into multimodal imaging classification of ADHD." *Front Syst Neurosci.* 2012;6:59. doi: 10.3389/fnsys.2012.00059. PubMed PMID: 22912605; PMCID: PMC3419970.
106. D Han, A Anderson, M Turk, **MS Cohen**. "HMM-based Temporal Pattern Modeling of Brain States in Smoke Rehabilitation using fMRI." *Neural Information Processing Systems (NIPS).* 2012:139.
107. WT Kerr, A Anderson, EP Lau, AY Cho, H Xia, J Bramen, PK Douglas, ES Braun, JM Stern, **MS Cohen**. "Automated diagnosis of epilepsy using EEG power spectrum." *Epilepsia.* 2012;53(11):e189-92. doi: 10.1111/j.1528-1167.2012.03653.x. PubMed PMID: 22967005; PMCID: 3447367.
108. DS Rivera, **MS Cohen**, WG Clark, AC Chu, RL Nunnally, J Smith, D Mills, JW Judy. "An Implantable RF Solenoid for Magnetic Resonance Microscopy and Microspectroscopy." *Ieee Transactions on Biomedical Engineering.* 2012;59(8):2118-25. doi: Doi 10.1109/Tbme.2011.2178239. PubMed PMID: WOS:000306593000004.
109. JD Townsend, SY Bookheimer, LC Foland-Ross, TD Moody, NI Eisenberger, JS Fischer, **MS Cohen**, CA Sugar, LL Altshuler. "Deficits in inferior frontal cortex activation in euthymic bipolar disorder patients during a response inhibition task." *Bipolar Disord.* 2012;14(4):442-50. Epub 2012/05/29. doi: 10.1111/j.1399-5618.2012.01020.x. PubMed PMID: 22631623; PMCID: 22631623.
110. A Anderson, **MS Cohen**. "Reducing clinical trial costs by detecting and measuring the placebo effect and treatment effect using brain imaging." *Stud Health Technol Inform.* 2013;184:6-12. PubMed PMID: 23400121; PMCID: 4157941.
111. A Anderson, **MS Cohen**. "Decreased small-world functional network connectivity and clustering across resting state networks in schizophrenia: an fMRI classification tutorial." *Front Hum Neurosci.* 2013;7:520. Epub 2013/09/14. doi: 10.3389/fnhum.2013.00520. PubMed PMID: 24032010; PMCID: 3759000.
112. AA Anderson, **MS Cohen**. "Reducing clinical trial costs by detecting and measuring the placebo effect and treatment effects using brain imaging." *NextMed/MMVR20.* 2013;183.
113. PK Douglas, E Lau, A Anderson, A Head, W Kerr, M Wollner, D Moyer, W Li, M Durnhofer, J Bramen, **MS Cohen**. "Single trial decoding of belief decision making from EEG and fMRI data using independent components features." *Front Hum Neurosci.* 2013;7:392. doi: 10.3389/fnhum.2013.00392. PubMed PMID: 23914164; PMCID: 3728485.
114. W Kerr, A Anderson, H XIA, E Braun, E Lau, A Cho, **MS Cohen**. "Parameter selection in Mutual Information-Based Feature Selection in Automated Diagnosis of Multiple Epilepsies using Scalp EEG." *PRNI.* 2013.
115. WT Kerr, AY Cho, A Anderson, PK Douglas, EP Lau, ES Hwang, KR Raman, A Trefler, **MS Cohen**, ST Nguyen, NM Reddy, DH Silverman. "Balancing Clinical and Pathologic Relevance in the Machine Learning Diagnosis of Epilepsy." *Int Workshop Pattern Recognit Neuroimaging.* 2013;2013:86-9. doi: 10.1109/prni.2013.31. PubMed PMID: 25302313; PMCID: 4188528.

116. WT Kerr, ST Nguyen, AY Cho, EP Lau, DH Silverman, PK Douglas, NM Reddy, A Anderson, J Bramen, N Salamon, JM Stern, **MS Cohen**. "Computer-Aided Diagnosis and Localization of Lateralized Temporal Lobe Epilepsy Using Interictal FDG-PET." *Front Neurol*. 2013;4:31. doi: 10.3389/fneur.2013.00031. PubMed PMID: 23565107; PMCID: 3615243.
117. AS Korb, FG Shellock, **MS Cohen**, A Bystritsky. "Low-Intensity Focused Ultrasound Pulsation Device Used During Magnetic Resonance Imaging: Evaluation of Magnetic Resonance Imaging-Related Heating at 3 Tesla/128 MHz." *Neuromodulation*. 2013. Epub 2013/05/15. doi: 10.1111/ner.12075. PubMed PMID: 23663228.
118. A Lenartowicz, GV Simpson, **MS Cohen**. "Perspective: causes and functional significance of temporal variations in attention control." *Front Hum Neurosci*. 2013;7:381. Epub 2013/07/28. doi: 10.3389/fnhum.2013.00381. PubMed PMID: 23888135; PMCID: 3719045.
119. H Xia, D Ruan, **MS Cohen**. "BCG Artifact Removal for Reconstructing Full-scalp EEG inside the MR Scanner." *Pattern Recognition in NeuroImaging IEEE*. 2013.
120. A Anderson, PK Douglas, WT Kerr, VS Haynes, AL Yuille, J Xie, YN Wu, JA Brown, **MS Cohen**. "Non-negative matrix factorization of multimodal MRI, fMRI and phenotypic data reveals differential changes in default mode subnetworks in ADHD." *NeuroImage*. 2014;102 Pt 1:207-19. doi: 10.1016/j.neuroimage.2013.12.015. PubMed PMID: 24361664; PMCID: 4063903.
121. A Anderson, W Kerr, J Xiao, T Li, **MS Cohen**. "Electronic Health Records can Improve Screening of Type 2 Diabetes in the General United States Population." *Diabetes Research and Clinical Practice*. 2014.
122. PK Douglas, M Pisani, R Reid, A Head, E Lau, E Mirakhor, J Bramen, B Gordon, A Anderson, WT Kerr, C Cheong, **MS Cohen**. "Method for simultaneous fMRI/EEG data collection during a focused attention suggestion for differential thermal sensation." *J Vis Exp*. 2014(83):e3298. doi: 10.3791/3298. PubMed PMID: 24429915; PMCID: 4063545.
123. WT Kerr, PK Douglas, A Anderson, **MS Cohen**. "The utility of data-driven feature selection: re: Chu et al. 2012." *NeuroImage*. 2014;84:1107-10. doi: 10.1016/j.neuroimage.2013.07.050. PubMed PMID: 23891886; PMCID: 4251655.
124. WT Kerr, ES Hwang, KR Raman, SE Barritt, AB Patel, JM Le, JM Hori, EC Davis, CT Braesch, EA Janio, EP Lau, AY Cho, A Anderson, DH Silverman, N Salamon, J Engel, Jr., JM Stern, **MS Cohen**. "Multimodal diagnosis of epilepsy using conditional dependence and multiple imputation." *Int Workshop Pattern Recognit Neuroimaging*. 2014:1-4. doi: 10.1109/PRNI.2014.6858526. PubMed PMID: 25311448; PMCID: PMC4188529.
125. AS Korb, FG Shellock, **MS Cohen**, A Bystritsky. "Low-intensity focused ultrasound pulsation device used during magnetic resonance imaging: evaluation of magnetic resonance imaging-related heating at 3 Tesla/128 MHz." *Neuromodulation*. 2014;17(3):236-41; discussion 41. doi: 10.1111/ner.12075. PubMed PMID: 23663228.
126. J Lee, **MS Cohen**, SA Engel, D Glahn, KH Nuechterlein, JK Wynn, MF Green. "Neural substrates of visual masking by object substitution in schizophrenia." *Hum Brain Mapp*. 2014;35(9):4654-62. doi: 10.1002/hbm.22501. PubMed PMID: 24677632.

127. A Lenartowicz, GV Simpson, CM Haber, **MS Cohen**. “Neurophysiological signals of ignoring and attending are separable and related to performance during sustained intersensory attention.” *J Cogn Neurosci*. 2014;26(9):2055-69. doi: 10.1162/jocn_a_00613. PubMed PMID: 24666167; PMCID: 24666167.
128. RC Reid, JE Bramen, A Anderson, **MS Cohen**. “Mindfulness, emotional dysregulation, impulsivity, and stress proneness among hypersexual patients.” *J Clin Psychol*. 2014;70(4):313-21. doi: 10.1002/jclp.22027. PubMed PMID: 23852856.
129. H Xia, D Ruan, **MS Cohen**. “Separation and reconstruction of BCG and EEG signals during continuous EEG and fMRI recordings.” *Front Neurosci*. 2014;8:163. doi: 10.3389/fnins.2014.00163. PubMed PMID: 25002836; PMCID: 4067090.
130. H Xia, D Ruan, **MS Cohen**. “Removing ballistocardiogram (BCG) artifact from full-scalp EEG acquired inside the MR scanner with Orthogonal Matching Pursuit (OMP).” *Front Neurosci*. 2014;8:218. doi: 10.3389/fnins.2014.00218. PubMed PMID: 25120421; PMCID: 4114198.
131. A Anderson, J Xie, **MS Cohen**, YN Wu. “Beyond ICA: A Comparison of Independent Component Analysis (ICA), K-SVD, L-1 (Lasso), and Nonnegative Matrix Factorization as Unsupervised Dictionary Learning Techniques for fMRI Classification.” *NeuroImage*. 2015.
132. A Bystritsky, A Korb, J Stern, **MS Cohen**. “Safety and Feasibility of Focused Ultrasound Neuromodulation in Temporal Lobe Epilepsy.” *Brain Stimulation: Basic, Translational, and Clinical Research in Neuromodulation*. 2015;8(2):412.
133. **MS Cohen**, SA Hillyard, JR Galler, HJ Neville, MM Rasenick, AJ Reeves, JD Van Horn. “Opinion: Advancing neuroscience interactions with Cuba.” *Proceedings of the National Academy of Science U S A*. 2015. doi: 10.1073/pnas.1504973112. PubMed PMID: 25883271.
134. A Lenartowicz, GV Simpson, SR O'Connell, **MS Cohen**. “Measurement of Neurophysiological Signals of Ignoring and Attending Processes in Attention Control.” *J Vis Exp*. 2015(101):e52958. doi: 10.3791/52958. PubMed PMID: 26167793; PMCID: 26167793.
135. AE Anderson, WT Kerr, A Thames, T Li, J Xiao, **MS Cohen**. “Electronic health record phenotyping improves detection and screening of type 2 diabetes in the general United States population: A cross-sectional, unselected, retrospective study.” *J Biomed Inform*. 2016;60:162-8. doi: 10.1016/j.jbi.2015.12.006. PubMed PMID: 26707455; PMCID: PMC5679210
136. AM Jimenez, J Lee, JK Wynn, **MS Cohen**, SA Engel, DC Glahn, KH Nuechterlein, EA Reavis, MF Green. “Abnormal Ventral and Dorsal Attention Network Activity during Single and Dual Target Detection in Schizophrenia.” *Front Psychol*. 2016;7:323. Epub 2016/03/26. doi: 10.3389/fpsyg.2016.00323. PubMed PMID: 27014135; PMCID: PMC4781842.
137. WT Kerr, EA Janio, JM Le, JM Hori, AB Patel, NL Gallardo, J Baurirjan, AM Chau, SR D'Ambrosio, AY Cho, J Engel, Jr., **MS Cohen**, JM Stern. “Diagnostic delay in psychogenic seizures and the association with anti-seizure medication trials.” *Seizure*. 2016;40:123-6. doi: 10.1016/j.seizure.2016.06.015. PubMed PMID: 27398686; PMCID: PMC4966997.

138. A Lenartowicz, S Lu, C Rodriguez, EP Lau, PD Walshaw, JT McCracken, **MS Cohen**, SK Loo. "Alpha desynchronization and fronto-parietal connectivity during spatial working memory encoding deficits in ADHD: A simultaneous EEG-fMRI study." *Neuroimage Clin.* 2016;11:210-23. doi: 10.1016/j.nicl.2016.01.023. PubMed PMID: 26955516; PMCID: PMC4761724.
139. WT Kerr, EA Janio, CT Braesch, JM Le, JM Hori, AB Patel, SE Barritt, NL Gallardo, J Baurirjan, AM Chau, ES Hwang, EC Davis, D Torres-Barba, AY Cho, J Engel, Jr., **MS Cohen**, JM Stern. "Diagnostic implications of review-of-systems questionnaires to differentiate epileptic seizures from psychogenic seizures." *Epilepsy Behav.* 2017;69:69-74. Epub 2017/02/27. doi: 10.1016/j.yebeh.2016.11.002. PubMed PMID: 28236725; PMCID: PMC5423814.
140. WT Kerr, EA Janio, CT Braesch, JM Le, JM Hori, AB Patel, NL Gallardo, J Baurirjan, SR D'Ambrosio, AM Chau, ES Hwang, EC Davis, A Buchard, D Torres-Barba, M Al Banna, SE Barritt, AY Cho, J Engel, Jr., **MS Cohen**, JM Stern. "Identifying psychogenic seizures through comorbidities and medication history." *Epilepsia.* 2017;58(11):1852-60. Epub 2017/09/13. doi: 10.1111/epi.13888. PubMed PMID: 28895657; PMCID: PMC5669805.
141. E Reavis, J Lee, J Wynn, S Engel, **MS Cohen**, K Nuechterlein, D Glahn, J Hoy, N Polon, M Green. "Assessing Fidelity of Object Representations in Visual Cortex in Schizophrenia and Bipolar Disorder Using Multivariate Pattern Analysis." *Schizophrenia Bulletin.* 2017;43(Suppl 1):S46. doi: 10.1093/schbul/sbx021.121; PMCID: 5475575.
142. EA Reavis, J Lee, JK Wynn, SA Engel, **MS Cohen**, KH Nuechterlein, DC Glahn, LL Altshuler, MF Green. "Assessing neural tuning for object perception in schizophrenia and bipolar disorder with multivariate pattern analysis of fMRI data." *Neuroimage Clin.* 2017;16:491-7. Epub 2017/09/22. doi: 10.1016/j.nicl.2017.08.023. PubMed PMID: 28932681; PMCID: PMC5596305.
143. SL Eagleman, DA Vaughn, DR Drover, CM Drover, **MS Cohen**, NT Ouellette, MB MacIver. "Do Complexity Measures of Frontal EEG Distinguish Loss of Consciousness in Geriatric Patients Under Anesthesia?" *Frontiers in Neuroscience.* 2018;12:13. doi: 10.3389/fnins.2018.00645.
144. WT Kerr, EA Janio, CT Braesch, JM Le, JM Hori, AB Patel, NL Gallardo, J Baurirjan, AM Chau, ES Hwang, EC Davis, A Buchard, D Torres-Barba, S D'Ambrosio, M Al Banna, AY Cho, J Engel, Jr., **MS Cohen**, JM Stern. "An objective score to identify psychogenic seizures based on age of onset and history." *Epilepsy Behav.* 2018;80:75-83. Epub 2018/02/08. doi: 10.1016/j.yebeh.2017.11.035. PubMed PMID: 29414562; PMCID: PMC5845850.
145. D Vaughn, W van Deen, W Kerr, T Meyer, A Bertozzi, D Hommes, **MS Cohen**. "Using insurance claims to predict and improve hospitalizations and biologics use in members with inflammatory bowel diseases." *Journal of Biomedical Informatics.* 2018;81:93-101. Epub 4/3/2018. doi: doi: 10.1016/j.jbi.2018.03.015; PMCID: 29625187.
146. DA Vaughn, RR Savjani, **MS Cohen**, DM Eagleman. "Empathic Neural Responses Predict Group Allegiance." *Front Hum Neurosci.* 2018;12:302. Epub 2018/08/16. doi: 10.3389/fnhum.2018.00302. PubMed PMID: 30108493; PMCID: PMC6079240.

147. Lee J, Reavis E, Engel S, Altshuler L, **Cohen MS**, Glahn D, Nuechterlein K, Wynn J, Green M. *fMRI evidence of aberrant neural adaptation for objects in schizophrenia and bipolar disorder*. Human Brain Mapping. 2018; Accepted for Publication.

CHAPTERS & BOOKS

1. 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. p. 69-84.
2. S Saini, **MS Cohen**. “*Ultrafast Liver Imaging*”. In: Ferrucci JT, editor. *Liver Imaging: New Techniques*. Andover: Andover Medical; 1990.
3. **MS Cohen**. “*Rapid MR Imaging: techniques and performance characteristics*”. In: Taveras J, Ferrucci J, editors. *Radiology*. New York: Lippincott; 1992.
4. **MS Cohen**. “*Echo planar flow imaging*”. In: Potchen, editor. *Magnetic Resonance Angiography*. Philadelphia: Mosby; 1993. p. 297-304.
5. **MS Cohen**. “*Rapid MRI and Functional Applications*”. In: Toga AW, Mazziotta JC, editors. *Brain Mapping: the Methods*. New York: Academic Press; 1996.
6. S Bookheimer, **MS Cohen**. “*New Directions: Functional MRI*”. In: Engel J, Pedley T, editors. *Epilepsy: A Comprehensive Textbook*. Philadelphia: Lippincott-Raven; 1997.
7. J Mazziotta, **MS Cohen**. “*The Measurement of Cerebral Blood Flow and Metabolism in Human Subjects*”. In: Welch M, Caplan L, Siesjo B, Wei B, Reis D, editors. *Primer on Cerebral Vascular Disease*. San Diego: Academic Press; 1997. p. 38-42.
8. RM Weisskoff, **MS Cohen**. “*Echo planar imaging: technology and techniques*”. In: Bradley W, Bydder G, editors. *Advanced MR Imaging Techniques*. London: Martin Dunitz; 1997. p. 63-97.
9. **MS Cohen**. “*Theory of Echo-Planar Imaging*”. In: Schmitt F, Stehling MK, Turner R, editors. *Echo-Planar Imaging: Theory, Technique and Application*. Berlin: Springer Verlag; 1998. p. 11-30.
10. **MS Cohen**. “*Echo-planar imaging and functional MRI*”. In: Moonen CTW, Bandettini PA, editors. *Functional MRI*. 1 ed. Berlin: Springer-Verlag; 1999. p. 137-48.
11. DG Mitchell, **MS Cohen**. “*MRI Principles*.” 2 ed. New York: WB Saunders; 2003.
12. A Anderson, D Han, PK Douglas, J Bramen, **MS Cohen**. “*Real-Time Functional MRI Classification of Brain States Using Markov-SVM Hybrid Models: Peering Inside the rt-fMRI Black Box*”. In: Langs G, Rish I, Grosse-Wentrup M, Murphy B, editors. *Machine Learning and Interpretation in Neuroimaging*: Springer Berlin Heidelberg; 2012. p. 242-55.
13. P Douglas, A Anderson, M Cohen. “*Independent Component Based Classification in Functional Neuroimaging*”. *Machine Learning: new methods*. Hauppauge, New York: Nova Publishers; 2012.
14. **MS Cohen**. “*What We See is What We Know*”. In: Olynyk P, editor. *Art + Brain Symposium: Stories and Structures*. Los Angeles: CreateSpace Independent Publishing; 2016.

15. JD Feusner, WT Kerr, TD Moody, AF Zhang, **MS Cohen**, AD Leow, MA Strober, DA Vaughn. “*Cross-diagnostic Prediction of Dimensional Psychiatric Phenotypes in Anorexia Nervosa and Body Dysmorphic Disorder Using Multimodal Neuroimaging and Psychometric Data*”. In: Danail Stoyanov ZT, Enzo Ferrante, Adrian V. Dalca, Anne Martel, Lena Maier-Hein, Sarah Parisot, Aristeidis Sotiras, Bartłomiej Papież, Mert R. Sabuncu, Li Shen, editor. *Graphs in Biomedical Image Analysis and Integrating Medical Imaging and Non-Imaging Modalities*: Springer; 2918.

ABSTRACTS (partial – I do not track these)

1. **MS Cohen**, RH Britt, editors. “*Effects of anesthetics on the brainstem auditory evoked response*”. Society for Neuroscience; 1981; Los Angeles, CA.
2. RJ Dooling, MH Searcy, **MS Cohen**, editors. “*Nonsimultaneous masking and temporal summation in the parakee (*Melopsittacus undulatus*)*”. The 103rd Meeting of the Acoustical Society of America; 1982; Chicago, Illinois.
3. **MS Cohen**, S Schwartz-Giblin, DW Pfaff, editors. “*Responses of epaxial muscles and motor nerves to electrical stimulation of the pudendal nerve in the rat*”. Society for Neuroscience; 1983; Boston, MA.
4. T Brown, **MS Cohen**, W Thoma, editors. “*An imaging method of shimming for spectroscopy*”. Experimental Nuclear Conference; 1987; Asilomar, CA.
5. E Unger, **MS Cohen**, R Gatenby, M Clair, H Kessler, T Brown, editors. “*Preliminary observations: single breathholding scans of the abdomen using FISP and FLASH at 1.5 Tesla*”. Society for Magnetic Resonance Imaging; 1987.
6. **MS Cohen**, editor. “*Design of MR Imaging Methods for Trauma and Screening*”. Society of Magnetic Resonance in Medicine; 1988; San Francisco.
7. **MS Cohen**, editor. “*Magnetic Susceptibility: Contrast and Artifacts*”. Society for Magnetic Resonance in Medicine; 1988; San Francisco, CA.
8. D Saloner, C Anderson, **MS Cohen**, editors. “*Vessel display and quantification of in-plane blood flow*”. Society for Magnetic Resonance Imaging; 1988.
9. **MS Cohen**, M Rohan, editors. “*3D volume imaging with Instant Scan*”. Society for Magnetic Resonance in Medicine; 1989.
10. **MS Cohen**, R Weisskoff, H Kantor, editors. “*Evidence of peripheral stimulation by time-varying magnetic fields*”. Radiological Society of North America; 1989; Chicago.
11. **MS Cohen**, R Weisskoff, R Rzedzian, editors. “*Clinical Methods for “Single-Shot” Instant MR Imaging of the heart*”. Radiological Society of North America; 1989; Chicago.
12. B Rosen, J Belliveau, D Betteridge, **MS Cohen**, R Weisskoff, J Vevea, R Rzedzian, editors. “*Perfusion imaging with magnetic-susceptibility contrast media*”. Radiological Society of North America; 1989; Chicago.
13. R Weisskoff, **MS Cohen**, editors. “*Instant magnetic field mapping*”. Society of Magnetic Resonance in Medicine, Eighth Annual Meeting; 1989; Amsterdam, The Netherlands.

14. R Weisskoff, **MS Cohen**, R Rzedzian, editors. *"Fat suppression techniques: a comparison of results in instant imaging"*. Society for Magnetic Resonance in Medicine; 1989.
15. J Belliveau, B Rosen, D Betteridge, D Kennedy, J Vevea, K Johnson, **MS Cohen**, R Weisskoff, R Rzedzian, T Brady, editors. *"Functional NMR Imaging of the Human Brain"*. 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, F Jolesz, editors. *"MRI image acquisition and processing for real-time monitoring of laser surgery"*. Society of Magnetic Resonance in Medicine; 1990; New York, New York, USA.
17. A Bleier, L Panych, **MS Cohen**, R Weisskoff, J Dalcanton, S Hushek, N Higuchi, B Rosen, R McKinstry, F Jolesz, editors. *"Visualization of Laser Heat Propagation with Instant Imaging"*. Society for Magnetic Resonance Imaging; 1990.
18. **MS Cohen**, editor. *"High-speed MR imaging: from fast to instant"*. Society for Magnetic Resonance Imaging; 1990.
19. **MS Cohen**, J Dalcanton, R Weisskoff, M Rohan, editors. *"Kinematic imaging of the knee using instant MRI"*. 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**, R Weisskoff, editors. *"MRI Control of Experimental Laser Surgery"*. Society of Magnetic Resonance in Medicine; 1990; New York, New York, USA.
21. R McKinstry, J Belliveau, B Buchbinder, **MS Cohen**, R Weisskoff, J Vevea, K Thulborn, K Kwong, K Johnson, B Rosen, editors. *"Instant NMR diffusion and susceptibility-contrast CBV imaging of patients with increased blood-brain barrier permeability"*. Ninth Annual Meeting of the Society of Magnetic Resonance in Medicine; 1990; New York, New York.
22. R McKinstry, R Weisskoff, **MS Cohen**, J Vevea, K Kwong, R Rzedzian, T Brady, B Rosen, editors. *"Instant MR Diffusion/Perfusion Imaging"*. Society for Magnetic Resonance Imaging; 1990.
23. V Wedeen, A Crawley, R Weisskoff, G Holmvang, **MS Cohen**, editors. *"Real time MR imaging of structured fluid flow"*. Society of Magnetic Resonance in Medicine; 1990; New York.
24. R Weisskoff, J Dalcanton, **MS Cohen**, editors. *"High resolution 64 msec instant images of the head"*. Society for Magnetic Resonance Imaging; 1990.
25. JW Belliveau, DN Kennedy, RC McKinstry, BR Buchbinder, RM Weisskoff, JM Vevea, K Nadeau, **MS Cohen**, TJ Brady, BR Rosen, editors. *"Functional mapping of the human visual cortex by susceptibility-contrast NMR"*. Ninth Annual Meeting of the Society for Magnetic Resonance Imaging; 1991; Chicago, IL.
26. JW Belliveau, RC McKinstry, DN Kennedy, BR Buchbinder, RM Weisskoff, JM Vevea, K Nadeau, **MS Cohen**, TJ Brady, BR Rosen, editors. *"Functional mapping of the human visual cortex by nuclear magnetic resonance imaging"*. Fifteenth International Symposium On Cerebral Blood Flow and Metabolism; 1991; Miami, Fl.

27. B Buchbinder, J Belliveau, R McKinstry, **MS Cohen**, R Weisskoff, J Vevea, H Aronen, G Hunter, F Hochberg, K Johnson, V Caviness, T Brady, B Rosen, editors. “*Ultrafast magnetic resonance imaging of regional cerebral hemodynamics*”. Tenth annual meeting of the Society for Magnetic Resonance in Medicine; 1991; San Francisco.
28. S Chang, **MS Cohen**, P Wang, editors. “*Ultra-fast scanning of hardwood logs with an NMR scanner*”. Fourth International Conference on Scanning Technology in the Wood Industry; 1991.
29. **MS Cohen**, F Shellock, K Nadeau, J Oldershaw, J Boxerman, R Weisskoff, T Brady, editors. “*Acute muscle T2 changes associated with exercise*”. Tenth Annual Meeting of the Society of Magnetic Resonance in Medicine; 1991; San Francisco, CA.
30. **MS Cohen**, R Weisskoff, M Rohan, T Brady, editors. “*400 msec volume imaging of the heart*”. Tenth Annual Meeting of the Society of Magnetic Resonance in Medicine; 1991; San Francisco, CA.
31. PF Hahn, P Reimer, **MS Cohen**, KT Nadeau, PR Mueller, editors. “*An Aqueous Gastrointestinal contrast agent for use in Ultrafast MR imaging*”. Tenth annual meeting of the Society for Magnetic Resonance in Medicine; 1991; San Francisco.
32. GJ Hunter, HL Kantor, RM Weisskoff, JD Pearlman, **MS Cohen**, editors. “*Assessment of Myocardial perfusion by MRI: Correlation with radiolabelled microspheres*”. Tenth annual meeting of Society for Magnetic Resonance in Medicine; 1991; San Francisco.
33. H Kytömaa, **MS Cohen**, editors. “*Imaging of an unsteady circulating fluidized bed*”. NMR of Materials; 1991; San Jose, CA.
34. J Pearlman, R Weisskoff, G Hunter, **MS Cohen**, T Brady, editors. “*Cardiac variance images from single-shot MR imaging*”. Society of Magnetic Resonance Imaging; 1991; Chicago, Illinois.
35. JD Pearlman, L Porkka, G Hunter, RM Weisskoff, **MS Cohen**, editors. “*Quantitative real-time dose response of the heart to magnetic contrast agents: evidence for linear regime*”. Tenth annual meeting of the Society for Magnetic Resonance in Medicine; 1991; San Francisco.
36. B Poncelet, VJ Wedeen, **MS Cohen**, editors. “*Brain motion measurement with EPI*”. Tenth annual meeting of the Society for Magnetic Resonance in Medicine; 1991; San Francisco.
37. P Reimer, K Kwong, **MS Cohen**, T Brady, R Weissleder, editors. “*Single shot imaging of in vivo pharmacokinetics of T2* contrast agents in the liver using EPI*”. Society for Magnetic Resonance Imaging; 1991; San Francisco, CA.
38. P Reimer, S Saini, P Hahn, **MS Cohen**, T Brady, editors. “*Pancreatic imaging using ultrafast magnetic resonance*”. Eighth annual congress of the European society for magnetic resonance in medicine and biology; 1991; Zürich, Switzerland.
39. P Reimer, S Saini, P Hahn, P Mueller, K Nadeau, **MS Cohen**, editors. “*Ultrafast MR Imaging of the Pancreas*”. Tenth Annual Meeting of the Society of Magnetic Resonance in Medicine; 1991; San Francisco, CA.

40. B Rosen, J Belliveau, B Buchbinder, **MS Cohen**, R Weisskoff, J Vevea, R Rzedzian, T Brady, editors. "*Perfusion imaging with magnetic susceptibility contrast agents: "real-time" MR imaging in humans*". Society for Magnetic Resonance in Medicine; 1991; Chicago, Illinois.
41. BR Rosen, JW Belliveau, BR Buchbinder, **MS Cohen**, RM Weisskoff, JM Vevea, RR Rzedzian, TJ Brady, editors. "*Perfusion imaging with magnetic susceptibility contrast: human imaging using real-time MRI*". Ninth Annual Meeting of the Society of Magnetic Resonance Imaging; 1991; Chicago, IL: SMRI.
42. S Saini, P Hahn, P Reimer, **MS Cohen**, editors. "*Protocol and pulse sequence evaluation for ultrafast liver imaging*". Eighth annual congress of the European society for magnetic resonance in medicine and biology; 1991; Zürich, Switzerland.
43. S Saini, P Hahn, P Reimer, **MS Cohen**, editors. "*Protocol and Pulse Sequence Design and Evaluation for Ultra-Fast Liver Imaging*". European Congress of Radiology; 1991.
44. S Saini, PF Hahn, P Reimer, KT Nadeau, **MS Cohen**, editors. "*Ultrafast MR imaging of the liver: Analysis of Pulse Sequence performance*". Tenth annual meeting of the Society for Magnetic Resonance in Medicine; 1991; San Francisco.
45. F Shellock, **MS Cohen**, T Brady, J Mink, M Pfaff, editors. "*Evaluation of patellar alignment and tracking: comparison between kinematic MRI and "true" dynamic imaging by hyperscan MRI*". Society for Magnetic Resonance Imaging; 1991; Chicago.
46. K Thulborn, R Weisskoff, **MS Cohen**, T Reese, S Kiihne, editors. "*Quantitative Measurement of Global Cerebral Oxygen Consumption by IH MR Imaging*". Society for Magnetic Resonance Imaging; 1991; Chicago.
47. R Weisskoff, SR Kiihne, **MS Cohen**, KR Thulborn, editors. "*Quantitative in Vivo Blood Oxygenation Measurements by Echo Planar Imaging at 1.5 Tesla*". Tenth annual meeting of the Society for Magnetic Resonance in Medicine; 1991; San Francisco.
48. 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, B Rosen, editors. "*Susceptibility contrast CBV imaging: clinical experience in brain tumor patients*". Society of Magnetic Resonance in Medicine Eleventh Annual Meeting; 1992; Berlin.
49. J Baker, **MS Cohen**, C Stern, K Kwong, J Belliveau, B Rosen, editors. "*The effect of slice thickness and echo time on the detection of signal change during echo-planar functional imaging*". Society of Magnetic Resonance in Medicine 11th Annual Meeting; 1992 8/8-14; Berlin.
50. J Belliveau, K Kwong, J Baker, C Stern, R Benson, I Goldberg, **MS Cohen**, D Kennedy, T Brady, B Rosen, editors. "*MRI mapping of human visual cortex: retinotopic organization and frequency response of VI*". Society of Magnetic Resonance in Medicine Eleventh Annual Meeting; 1992; Berlin.
51. J Belliveau, K Kwong, J Baker, C Stern, R Benson, I Goldberg, **MS Cohen**, D Kennedy, R Tootell, P Fox, T Brady, B Rosen, editors. "*Functional neuroimaging by MRI: Human visual system*". Society for Neuroscience; 1992; Anaheim.

52. H Breiter, K Kwong, J Baker, **MS Cohen**, et al., editors. “*Functional magnetic resonance imaging of obsessive compulsive disorder*”. Fourth annual NARSAD scientific symposium; 1992; Washington, DC.
53. **MS Cohen**, M Goldberg, E Yucel, editors. “*Ultra-fast MR angiographic methods*”. Society of Magnetic Resonance in Medicine Eleventh Annual Meeting; 1992; Berlin.
54. **MS Cohen**, P Hahn, S Saini, editors. “*Breath-hold 3D multi-slab volume imaging*”. Society of Magnetic Resonance in Medicine Eleventh Annual Meeting; 1992; Berlin.
55. **MS Cohen**, D Kennedy, D Pitcher, E Halpern, P Filipek, editors. “*Apparent cortical volume is affected by MR imaging parameters*”. Society of Magnetic Resonance in Medicine Eleventh Annual Meeting; 1992; Berlin.
56. M Goldberg, P Hahn, S Saini, P Mueller, P Reimer, **MS Cohen**, editors. “*Quantitative tissue characterization of hepatic lesions: Results of echo planar imaging*”. Radiological Society of America 78th Annual Meeting; 1992; Chicago.
57. M Goldberg, P Hahn, S Saini, P Reimer, T Campbell, **MS Cohen**, editors. “*Tissue characterization of focal liver lesions using T1 and T2 relaxation time measurements with echo planar MR imaging*”. Society of Magnetic Resonance in Medicine Eleventh Annual Meeting; 1992; Berlin.
58. M Goldberg, E Yucel, S Saini, P Hahn, J Kaufman, T Campbell, **MS Cohen**, editors. “*Echo planar angiography of the portal veins: preliminary results*”. Society of Magnetic Resonance in Medicine eleventh annual meeting; 1992; Berlin.
59. P Hahn, S Saini, **MS Cohen**, M Goldberg, E Yucel, P Mueller, editors. “*Clinical echo-planar abdominal MR imaging: 18 month experience*”. Radiological Society of North America 78th Annual Meeting; 1992; Chicago.
60. G Hunter, L Hamberg, H Kantor, **MS Cohen**, R Weisskoff, B Rosen, T Brady, editors. “*First pass susceptibility contrast MR in the clinical evaluation of myocardial ischemia and infarction*”. Society of Magnetic Resonance in Medicine Eleventh Annual Meeting; 1992; Berlin.
61. 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, B Rosen, editors. “*Real time imaging of perfusion change and blood oxygenation change with EPI*”. Society of Magnetic Resonance in Medicine Eleventh Annual Meeting; 1992; Berlin.
62. 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, B Rosen, editors. “*Real-time magnetic resonance imaging (MRI) of brain activity in humans*”. Society for Neuroscience; 1992; Anaheim.
63. B Poncelet, V Wedeen, R Weisskoff, **MS Cohen**, editors. “*Measurement of brain parenchyma motion with ciné echo planar imaging*”. Society of Magnetic Resonance in Medicine Eleventh Annual Meeting; 1992; Berlin.
64. B Poncelet, V Wedeen, R Weisskoff, **MS Cohen**, F Holmvang, T Brady, H Kantor, editors. “*Quantification of LAD the coronary flow with magnetic resonance echo-planar imaging*”. American Heart Association; 1992; New Orleans.

65. P Reimer, S Saini, P Hahn, M Goldberg, P Mueller, T Brady, **MS Cohen**, editors. “*Refinements of clinical echo planar MR imaging*”. Society of Magnetic Resonance in Medicine Eleventh Annual Meeting; 1992; Berlin.
66. P Reimer, S Saini, K Kwong, T Brady, **MS Cohen**, R Weissleder, editors. “*Dynamic single shot echo planar imaging of the liver with gadolinium-DTPA: pulse sequence and dose-related signal changes*”. Society of Magnetic Resonance in Medicine Eleventh Annual Meeting; 1992; Berlin.
67. S Saini, P Hahn, M Goldberg, P Reimer, **MS Cohen**, P Mueller, editors. “*Clinical evaluation of echo-planar MR imaging of the abdomen: review of first 100 patients*”. Radiological Society of North America 78th Annual Meeting; 1992; Chicago.
68. D Thedens, S Fleagle, R Weisskoff, G Hunter, **MS Cohen**, H Kantor, D Skorton, editors. “*Feasibility of automated detection of myocardial borders to assess cardiac anatomy from echo-planar cardiac magnetic resonance images*”. American Heart Association; 1992; New Orleans.
69. M Yoon, L Johnson, A Mosher, R Carbonneau, K Nadeau, **MS Cohen**, R Weisskoff, K Thulborn, editors. “*Sensitivity and specificity of echo planar imaging for detection of neuropathology*”. Society for Magnetic Resonance Imaging tenth annual meeting; 1992; New York.
70. R Benson, K Kwong, J Belliveau, J Baker, **MS Cohen**, N Hildebrandt, D Caplan, B Rosen, editors. “*Selective activation of Broca's area and inferior parietal cortex for words using multi-slice gradient-echo EPI*”. Society for Magnetic Resonance in Medicine Twelfth Annual Meeting; 1993; New York.
71. R Benson, K Kwong, J Belliveau, J Baker, **MS Cohen**, C Stern, N Hildebrandt, D Caplan, B Rosen, editors. “*Magnetic resonance imaging studies of visual word recognition: words versus false font strings*”. Society for Neuroscience 23d Annual Meeting; 1993; Washington, DC.
72. **MS Cohen**, J Baker, J Belliveau, T Davis, R Tootell, K Kwong, B Rosen, editors. “*Time Course of Cerebrovascular Response to Neuronal Activity Demonstrated with Functional MR Imaging*”. Society for Neuroscience; 1993; Washington DC.
73. R Savoy, K Kwong, **MS Cohen**, editors. “*Searching for stereopsis in humans using ultra-fast functional MRI: stimuli, analysis techniques, and preliminary data*”. Society for Neuroscience; 1993; Washington DC.
74. RM Weisskoff, JR Baker, JW Belliveau, TL Davis, KK Kwong, **MS Cohen**, BR Rosen, editors. “*Power Spectrum Analysis of Functionally-Weighted MR Data: What's in the Noise?*”. Society of Magnetic Resonance in Medicine; 1993; New York, New York.
75. R Benson, K Kwong, B Buchbinder, H Jiang, J Belliveau, **MS Cohen**, S Bookheimer, B Rosen, T Brady, editors. “*Noninvasive evaluation of language dominance using functional MRI*”. Society for Magnetic Resonance second annual meeting; 1994; San Francisco.
76. F Huang-Hellinger, H Breiter, G McCormack, **MS Cohen**, K Kwong, J Sutton, T Davis, R Savoy, R Weisskoff, J Belliveau, B Rosen, editors. “*Simultaneous Functional Magnetic Resonance Imaging and Electrophysiological Recording*”. Society of Magnetic Resonance, Second Meeting; 1994; San Francisco.

77. SY Bookheimer, **MS Cohen**, M Dapretto, I Fried, A Shewmon, K Black, J Engel, J Mazziotta, editors. "*Functional MRI in Surgical Planning*". Society for Neuroscience; 1995; San Diego, CA.
78. SY Bookheimer, **MS Cohen**, B Dobkin, JC Mazziotta, editors. "*Functional MRI During Motor Activation following stroke*". Human Brain Mapping; 1995.
79. **MS Cohen**, SY Bookheimer, JC Mazziotta, editors. "*Parametric Analysis of Functional MRI data: a physiologically relevant transform*". Cerebral Blood Flow and Metabolism; 1995.
80. **MS Cohen**, H Breiter, G DiGirolamo, W Thompson, J Belliveau, B Rosen, S Kosslyn, editors. "*Mental Rotation Studied by functional Magnetic Resonance Imaging (fMRI)*". Brain Map '95; 1995; Paris.
81. **MS Cohen**, MF Green, editors. "*Where the Voices Come From: Imaging of Schizophrenic Auditory Hallucinations*". Society for Neuroscience; 1995; San Diego, CA.
82. E Passaro, SY Bookheimer, **MS Cohen**, J Engel, editors. "*Functional Magnetic Resonance Imaging in a Patient with Continuous Occipital Seizures*". American Electroencephalographic Society; 1995; Washington, D.C.
83. SY Bookheimer, MA Dapretto, **MS Cohen**, JX Wang, editors. "*Functional MRI of the hippocampus during short-term memory tasks: parametric response to task difficulty and stimulus novelty*". Second Annual Conference on Functional Mapping of the Human Brain; 1996; Boston, MA.
84. M Cherrier, L Ercoli, S Bookheimer, J Wang, **MS Cohen**, editors. "*Changes in Cortical Activity During a Spatial Versus Phonological Verbal Fluency Task*". International Neuropsychology Society; 1996.
85. **MS Cohen**, DA Kelley, ML Rohan, PA Roemer, editors. "*An MR instrument optimized for intracranial neuroimaging*". Human Brain Mapping 96; 1996; Boston, MA.
86. MA Dapretto, SY Bookheimer, **MS Cohen**, JX Wang, editors. "*fMRI of language in dyslexic and normally developing children*". Second Annual Conference on Functional Mapping of the Human Brain; 1996; Boston, MA.
87. MA Dapretto, SY Bookheimer, **MS Cohen**, JX Wang, editors. "*Selective attention paradigms to map language representations using fMRI*". Society for Neuroscience; 1996.
88. BH Dobkin, **MS Cohen**, SY Bookheimer, JC Mazziotta, editors. "*Functional Magnetic Resonance Imaging to Study Brain Adaptations During Rehabilitation of Upper Extremity Function After Hemiplegic Stroke*". J Neuro Rehab; 1996.
89. ZL Litvack, **MS Cohen**, editors. "*Automated blood vessel identification in fMRI*". Third international conference on mapping of the human brain; 1996; Boston, MA.
90. GW Small, JR Barrio, GM Cole, SY Bookheimer, **MS Cohen**, JC Mazziotta, ME Phelps, AM Saunders, JL Haines, MA Pericak-Vance, ADRACoN Abstracts, editors. "*APOE and Brain Imaging for Early Detection of Alzheimer Disease*". American College of Neuropsychopharmacology; 1996.

91. JX Wang, **MS Cohen**, SY Bookheimer, MA Dapretto, editors. “*Functional MRI of human auditory cortex during auditory image lateralization*”. Second Annual Conference on Functional Mapping of the Human Brain; 1996; Boston, MA.
92. **MS Cohen**, editor. “*A Linear Systems Approach to the Parametric Analysis of fMRI Time Series*”. Fifth Annual Meeting of the International Society for Magnetic Resonance in Medicine; 1997; Vancouver, BC.
93. **MS Cohen**, R Terwilliger, X Hong, M Rohan, P Roemer, editors. “*Real-time observation of mental activity: the autocerebroscope*”. Society for Neuroscience 27th annual meeting; 1997; New Orleans, LA.
94. X Hong, **MS Cohen**, P Roemer, editors. “*Functional EPI with Real Time Imaging Processing*”. Fifth Annual Meeting of the International Society for Magnetic Resonance in Medicine; 1997; Vancouver, BC.
95. SY Bookheimer, M Dapretto, K Black, **MS Cohen**, editors. “*Functional MRI of language organization in patients with aggressive brain tumors*”. Society for neuroscience 27th annual meeting; 1998 Oct 25-30, 1997; New Orleans, LA.
96. **MS Cohen**, RA Dubois, WL Scheduling, editors. “*Rapid Artifact Detection and Correction for Real-Time fMRI*”. Human Brain Mapping; 1998; Montreal, Canada.
97. **MS Cohen**, WL Scheduling, editors. “*Real-Time functional MRI*”. Human Brain Mapping; 1998; Montreal, Canada.
98. M Dapretto, SY Bookheimer, M Strojwas, **MS Cohen**, editors. “*An fMRI Study of Semantic, Phonological, and Orthographic Processing Using a Selective Attention Paradigm*”. Fourth International Conference on Functional Mapping of the Human Brain; 1998; Montreal, CANADA.
99. M Dapretto, SY Bookheimer, J Wang, **MS Cohen**, editors. “*A fMRI study of morpho-syntactic processing using a selective attention paradigm*”. Society for neuroscience 27th annual meeting; 1998 Oct 25-30, 1997; New Orleans, LA.
100. R Dubois, **MS Cohen**, editors. “*Consistency of activation signal in fMRI assessed by number and magnitude of voxels*”. Society for Neuroscience; 1998; Los Angeles.
101. R Frysinger, K Negoro, J Bronstein, D Masterman, J Mazziotta, **MS Cohen**, A De Salles, editors. “*Estimation of lesion volumes in pallidotomy procedures: acute versus chronic volumes*”. Society for Neuroscience; 1998; Los Angeles.
102. M Iacoboni, E Zaidel, N Sicotte, M Dapretto, RP Woods, A Ptito, **MS Cohen**, JC Mazziotta, editors. “*Transitions in Parallel Processing: The Role of Conduction Delays*”. Fourth International Conference on Functional Mapping of the Human Brain; 1998 June 7-12, 1998; Montreal, CANADA.
103. M Iacoboni, E Zaidel, N Sicotte, RP Woods, **MS Cohen**, JC Mazziotta, editors. “*Waves of Endogenous Context: Behavior and Imaging*”. Fourth International Conference on Functional Mapping of the Human Brain; 1998 June 7-12, 1998; Montreal, CANADA.
104. J Kroger, K Holyoak, S Bookheimer, **MS Cohen**, editors. “*Processing relationally complex representations in Raven's progressive matrices: an fMRI study*”. Society for Neuroscience; 1998; Los Angeles.

105. J Quintana, S Bookheimer, J Kroger, **MS Cohen**, J Mazziotta, editors. “*Cerebral activity related to production and anticipation during decision making*”. Society for Neuroscience; 1998; Los Angeles.
106. N Sicotte, R Voskuhl, **MS Cohen**, L Myers, G Ellison, J Mazziotta, editors. “*A comparison of enhancing multiple sclerosis lesions at 1.5T and 3.0T*”. America's Committee for Treatment and Research in Multiple Sclerosis; 1998 10/18/98; Montreal, Quebec.
107. M Zeineh, S Bookheimer, **MS Cohen**, editors. “*A Parametric Trial-based Study of the Late Undershoot in fMRI with Visual Stimulation*”. Society for Neuroscience; 1998; Los Angeles.
108. T Allison, D Madsen, **MS Cohen**, ME Jarvik, E Zaidel, editors. “*Cigarette smoking, selective attention and brain activation: evidence from behavioral laterality and fMRI*”. The college on problems of drug dependence; 1999; Acapulco, Mexico.
109. **MS Cohen**, T Allison, DC Madsen, ME Jarvik, R Olmstead, editors. “*Functional MRI of Naturalistic Smoking*”. Society for Research on Nicotine and Tobacco; 1999; San Diego.
110. R DuBois, **MS Cohen**, editors. “*Retinotopic organization of the human superior colliculus demonstrated using fMRI*”. Society for Neuroscience; 1999; Miami.
111. G Small, S Bookheimer, M Strojwas, **MS Cohen**, A Saunders, M Pericak-Vance, J Mazziotta, editors. “*Functional MRI of Memory Tasks in Older Persons with APO-E4*”. Biological Psychiatry; 1999.
112. F Chollet, B Dobkin, J Pariente, F Saab, **MS Cohen**, I Loubinoux, J Mazziotta, editors. “*Cerebral representation of a sensory discrimination network in humans*”. Organization for Human Brain Mapping; 2000.
113. **MS Cohen**, editor. “*A fast and efficient method for compression of digital image time series*”. International Society for Magnetic Resonance in Medicine Eighth annual meeting; 2000; Denver.
114. **MS Cohen**, T Allison, D Madsen, M Jarvik, R Olmstead, E London, editors. “*fMRI of cigarette smoking: A method and preliminary results*”. International Society for Magnetic Resonance in Medicine Eighth annual meeting; 2000; Denver.
115. R Goldman, **MS Cohen**, J Engel, J Stern, editors. “*Combining EEG and functional MRI: Cleaning up the electrical signals*”. International Society for Magnetic Resonance in Medicine Eighth annual meeting; 2000; Denver.
116. DC Madsen, TL Allison, SM Terrace, **MS Cohen**, ME Jarvik, RE Olmstead, editors. “*Validation of Naturalistic Cigarette Smoking in an Magnetic Resonance setting*”. Society for Research on Nicotine and Tobacco; 2000.
117. **MS Cohen**, R Goldman, J Stern, J Engel, editors. “*Simultaneous EEG and fMRI Made Easy*”. Organization for Human Brain Mapping; 2001; Brighton, UK.
118. RM DuBois, S Bookheimer, MM Cherrier, **MS Cohen**, editors. “*Activation of early visual areas in a mental imagery task*”. Society for Neuroscience 30th Annual Meeting; 2001; New Orleans.

119. D Glahn, S Bava, **MS Cohen**, V Poutanen, B Therman, T Van Erp, M Manninen, M Huttunen, J Lonnqvist, C Standerskjold-Nordenstam, T Cannon, editors. “*Towards A Functional Atlas For Visuospatial Working Memory: Consistency Of Activation Patterns In Healthy Volunteers*”. Human Brain Mapping; 2001; Brighton, UK.
120. R Goldman, **MS Cohen**, J Stern, J Engel, editors. “*Tomographic Mapping of Alpha Rhythm Using Simultaneous EEG/fMRI*”. Organization for Human Brain Mapping; 2001; Brighton, UK.
121. KA Schaper, JB Arnold, J-S Liow, JJ Stern, JG Sled, DW Shattuck, AJ Worth, **MS Cohen**, RM Leahy, JC Mazziotta, DA Rottenberg, editors. “*Evaluation of Six Algorithms for Correcting Intensity Non-uniformity Effects in MRI Volumes*”. Organization for Human Brain Mapping; 2001; Brighton, UK.
122. **MS Cohen**, RI Goldman, JH Stern, editors. “*Simultaneous Imaging for Tomographic Electrophysiology: Issues in acquisition and interpretation*”. International Seminar on EEG Dipole Tracing and fMRI; 2002 March 21; Tokyo, Japan.
123. RI Goldman, **MS Cohen**, editors. “*Simultaneous EEG and fMRI of normal and abnormal brain electrophysiology*”. International Seminar on EEG Dipole Tracing and fMRI; 2002 March 21; Tokyo, Japan.
124. E London, S Simon, A Mendrek, J Learn, **MS Cohen**, A Brody, R Olmstead, M Ernst, M Jarvik, editors. “*Difference between smokers and nonsmokers in tests of selective attention and working memory: effects of abstinence and cigarette smoking*”. Tobacco-Related Disease Research Program (TRDRP) Annual Investigator's Meeting; 2002 Dec 4 - 5; San Jose, CA.
125. E Martínez-Montes, N Trujillo-Barreto, R Goldman, **MS Cohen**, P Valdés-Sosa, editors. “*Tri-linear Partial Least Squares Analysis for EEG/fMRI fusion*”. Organization for Human Brain Mapping; 2002; Sendai, Japan: NeuroImage.
126. A Mendrek, S Simon, **MS Cohen**, M Jarvik, R Olmstead, A Brody, M Ernst, E London, editors. “*Effects of smoking history and nicotine withdrawal on cognitive function*”. National Conference on Tobacco or Health; 2002 Nov 19-21.
127. S Sinha, SY Bookheimer, J Grinstead, **MS Cohen**, L Badr, editors. “*Neuroplasticity in Neonates – An fMRI Study of Language Stimulated Auditory Activation*”. International Society for Magnetic Resonance in Medicine ninth annual meeting; 2002; Honolulu, HI.
128. RM Albistegui-DuBois, **MS Cohen**, editors. “*Observations on the Consistency of Auditory Collicular Response during Adaptation to Inverted Vision*”. Organization for Human Brain Mapping Eighth Annual Meeting; 2003; New York, NY.
129. RM Albistegui-DuBois, **MS Cohen**, editors. “*Reversal of parietal responses in a pointing task during adaptation to inverted vision*”. Society for Neuroscience; 2003; New Orleans, LA.
130. R Bhidayasiri, S Sinha, JM Bronstein, S Ahn, EJ Behnke, **MS Cohen**, R Frysinger, SE Krahl, FG Shellock, editors. “*In vitro study of MRI - related heating of deep brain stimulation electrodes at 1.5 - tesla*”. Society for Neuroscience; 2003; New Orleans.

131. **MS Cohen**, editor. “*Simultaneous imaging for tomographic electrophysiology: Efficient tools of acquisition and analysis*”. Organization for Human Brain Mapping Satellite Symposium on EEG-Correlated fMRI; 2003; New York, NY.
132. **MS Cohen**, RM DuBois, MM Cherrier, editors. “*Geographic mental imagery recruits a network of early visual areas*”. Society for Neuroscience; 2003; New Orleans.
133. RI Goldman, **MS Cohen**, editors. “*Tomographic Distribution of Resting Alpha Rhythm Sources Revealed by Independent Component Analysis*”. Organization for Human Brain Mapping Eighth Annual Meeting; 2003; New York, NY.
134. RI Goldman, E Martinez-Montes, PA Valdes-Sosa, **MS Cohen**, editors. “*Convergent evidence for distributed sources of alpha rhythm*”. Society for Neuroscience; 2003; New Orleans.
135. SE Krahl, JM Bronstein, S Sinha, S Ahn, RC Frysinger, **MS Cohen**, EJ Behnke, R Bhidayasiri, AAF DeSalles, FG Shellock, editors. “*MRI safety test at 1.5 - tesla of a deep brain stimulation lead and trajectory guide*”. Society for Neuroscience; 2003; New Orleans.
136. ED London, J Xu, A Mendrek, **MS Cohen**, M Jarvik, SL Simon, AL Brody, R Olmstead, J Monterosso, editors. “*Regional brain activation during performance of a working memory task by cigarette smokers and nonsmokers*”. Society for Neuroscience; 2003; New Orleans.
137. ED London, J Xu, PF Rodriguez, A Mendrek, **MS Cohen**, SL Simon, AL Brody, R Olmstead, ME Jarvik, editors. “*Greater cortical activation during performance of a working memory task by smokers than non-smokers*”. Society for Research on Nicotine and Tobacco; 2003; Scottsdale, AZ.
138. J Stern, R Goldman, Z Bilusic, J Engel, **MS Cohen**, editors. “*fMRI correlates to contralateral interictal epileptiform discharges*”. The American Epilepsy Society; 2003; Boston, MA.
139. EA Vessel, I Biederman, R Albistequi-Dubois, **MS Cohen**. “*The neural basis of spontaneous perceptual selection.*” Cognitive Neuroscience Society; New York 2003.
140. EA Vessel, I Biederman, **MS Cohen**, R Albistequi-Dubois, D Glahn, editors. “*The neural basis of spontaneous perceptual selection*”. Vision Sciences; 2003.
141. R Albistegui-DuBois, **MS Cohen**, editors. “*Adaptation to inverted vision: alteration in retinotopic organization*”. Society for Neuroscience; 2004; San Diego.
142. S Harris, **MS Cohen**, editors. “*The functional neuroanatomy of belief*”. Society for Neuroscience; 2004; San Diego.
143. ED London, J Xu, PF Rodriguez, A Mendrek, **MS Cohen**, J Monterosso, SL Simon, AL Brody, R Olmstead, M Jarvik, M Ernst, editors. “*Smoking and task-related brain activity after overnight vs. brief abstinence in smokers*”. Society for Neuroscience; 2004; San Diego.
144. ED London, J Xu, PF Rodriguez, A Mendrek, SL Simon, AL Brody, ME Jarvik, J Monterosso, M Ernst, **MS Cohen**, editors. “*More Task-Related Cortical Activity in Cigarette Smokers than in Nonsmokers Performing a Working Memory Task*”. College for Problems on Drug Dependence 66th Annual Meeting; 2004 June 12-17, 2003; San Juan, Puerto Rico.

145. TGM van Erp, TA Lesh, SB Therman, M Manninen, MO Huttunen, D Shirinyan, KH Karlsgodt, LL Eldridge, BJ Knowlton, SY Bookheimer, **MS Cohen**, R Joensuu, TD Cannon, editors. "*Hippocampal Activation is Associated with Binding of Stimulus Features During Memory Encoding*". Organization for Human Brain Mapping 10th annual meeting; 2004; Budapest, Hungary.
146. J Xu, A Mendrek, **MS Cohen**, J Monterosso, SL Simon, AL Brody, R Olmstead, M Jarvik, M Ernst, ED London, P Rodriguez, editors. "*Smoking and task-related brain activity after overnight vs. brief abstinence in smokers*". Society for Research on Nicotine and Tobacco; 2004.
147. J Xu, J Monterosso, A Mendrek, PF Rodriguez, AL Brody, **MS Cohen**, SL Simon, R Olmstead, ME Jarvik, M Ernst, ED London, editors. "*Cortical activation and deactivation when healthy non-smokers perform a working memory task*". Society for Neuroscience; 2004; San Diego.
148. RI Goldman, AD Gerson, **MS Cohen**, TR Brown, PR Sajda, editors. "*Simultaneous EEG and fMRI for Event Related Studies*". Organization for Human Brain Mapping 11th Annual Meeting; 2005; Toronto, Canada.
149. E Harley, VA Carr, IV Viskontas, **MS Cohen**, SA Engel, editors. "*Functional MRI Can Measure Timing of Transient Increases in Neural Response with High Precision*". Society for Neuroscience 35th Annual Meeting; 2005; Washington, DC.
150. KH Karlsgodt, DC Glahn, TGM van Erp, S Therman, M Huttunen, M Manninen, C Standerskjold-Nordenstam, J Kaprio, D Shirinyan, **MS Cohen**, TD Cannon, editors. "*Relationship between Behavior and fMRI Signal in a Working Memory Task in Patients with Schizophrenia, Unaffected Co-Twins, and Controls*". Society for Neuroscience 35th Annual Meeting; 2005; Washington, DC.
151. D Payer, R Albistegui-DuBois, J Xu, JR Monterosso, T Fong, **MS Cohen**, ED London, editors. "*Deficits in Cortical Activation Associated with Emotion Recognition and Processing in Methamphetamine Abusers*". Society for Neuroscience 35th Annual Meeting; 2005; Washington, DC.
152. J Townsend, L Altshuler, M Proenza, F Sabb, **MS Cohen**, S Bookheimer, editors. "*Reduced Activation in Orbitofrontal Cortex during Mania: A Functional Magnetic Imaging Study*". Organization for Human Brain Mapping 11th Annual Meeting; 2005; Toronto, Canada.
153. J Xu, A Mendrek, **MS Cohen**, J Monterosso, CP Domier, SL Simon, A Brody, M Jarvik, M Ernst, ED London, editors. "*Effects of Cigarette Smoking on Brain Activity of Smokers Performing the Stroop Task*". Society for Neuroscience 35th Annual Meeting; 2005; Washington, DC.
154. AR Aron, **MS Cohen**, L Clark, DG Ghahremani, TW Robbins, RA Poldrack, editors. "*The inferior frontal junction is not necessary for interference control: Evidence from frontal lesion patients*". Society for Neuroscience; 2007; San Diego, CA.
155. TD Cannon, B Knowlton, Tv Erp, T Lesh, C Bearden, M Green, **MS Cohen**, K Nuechterlein, editors. "*Behavioral and Physiologic Indicators of Deficits in Contextual Encoding and Episodic Memory in the Prodromal and Psychotic Phases of Schizophrenia*". International Congress on Schizophrenia Research; 2007; Colorado Springs, CO.

156. **MS Cohen**, editor. “*Challenges and Opportunities for MRI in Traumatic Brain Injury*”. International Brain Mapping and Intraoperative Surgical Planning Society; 2007; Washington, DC.
157. BH Eom, K Penanen, **MS Cohen**, I Hahn, editors. “*Development of JPL low-field SQUID MRI prototype system: In-Vivo MRI results and intraoperative imaging implications*”. International Brain Mapping and Interventional Surgery Planning Society; 2007; Washington, DC.
158. TA Lesh, TG van Erp, **MS Cohen**, TD Cannon, editors. “*Amygdala activation during masked presentation of faces with fearful expressions*”. Biological Psychiatry; 2007.
159. E London, J Monterosso, T Mann, A Ward, G Ainslie, J Xu, A Brody, S Engel, **MS Cohen**, editors. “*Neural Activation during Smoking Self-Control: fMRI Assay*”. College for Problems on Drug Dependence; 2007; Scottsdale, AZ.
160. J Stern, M Tripathi, M Akhtari, A Korb, J Engel, **MS Cohen**, editors. “*Musicogenic seizure localization with simultaneous EEG and functional MRI*”. American Academy of Neurology; 2007.
161. D Strick, **MS Cohen**, FG Shellock, JW Judy, editors. “*Intracranial MR and implant safety*”. Society for Neuroscience 37th annual meeting; 2007; San Diego.
162. DS Strick, **MS Cohen**, JW Judy, editors. “*MRI Microcoil and Depth Electrode*”. International Society for Magnetic Resonance in Medicine; 2007; Berlin, Germany.
163. JD Townsend, L Altshuler, **MS Cohen**, N Eisenberger, L Foland, SY Bookheimer, editors. “*Persistent deficits in orbitofrontal cortex function in euthymic bipolar subjects*”. Society for Neuroscience 37th annual meeting; 2007; San Diego.
164. J Xu, J Monterosso, **MS Cohen**, T Fong, ED London, editors. “*Abnormal Brain Activation of Methamphetamine Abusers Performing the N-Back Working Memory Task*”. Society for Neuroscience; 2007; San Diego, CA.
165. A Anderson, **MS Cohen**, ID Dinov, J Quintana, J Sherin, A Yuille, editors. “*Classification of Schizophrenic and Normal Resting State fMRI scans using Temporal Network Associations*”. Human Brain Mapping; 2008; Melbourne, Australia.
166. B-H Eom, **MS Cohen**, I Hahn, KI Penanen, editors. “*An Ultra-Low Field imaging instrument and analysis of its SNR and scaling properties*”. International Society of Magnetic Resonance in Medicine; 2008; Toronto, CANADA.
167. B-H Eom, **MS Cohen**, I Hahn, KI Penanen, editors. “*Characterization of MRI properties of human body tissues at microTesla magnetic fields*”. International Society of Magnetic Resonance in Medicine; 2008; Toronto, CANADA.
168. J Townsend, L Altshuler, S Bookheimer, **MS Cohen**, editors. “*Amygdala Function in Major Depressive Disorder (MDD)*”. American Psychological Association; 2008.
169. AE Anderson, J Labus, EPM Vianna, J Jarcho, EA Mayer, **MS Cohen**. “*fMRI Scan Classification using Temporal Activity of Independent Components Applied to IBS and Normal Patient Groups.*” Organization for Human Brain Mapping 15th Annual Meeting; San Francisco 2009. p. 437.

170. **MS Cohen**, editor. “*Electricity and magnetism: Insights into the brain from multimodal imaging*”. Forty-Third Asilomar Conference on Signals, Systems and Computers,; 2009; Pacific Grove, CA.
171. C Culbertson, J Bramen, **MS Cohen**, E London, A Brody, editors. “*Pre- to post- treatment changes in neural activation to smoking cues*”. Society for Neuroscience 39th annual meeting; 2009; San Diego.
172. PK Douglas, S Harris, **MS Cohen**, editors. “*Naïve Bayes Classification of Belief versus Disbelief using Event Related Neuroimaging Data*”. Organization for Human Brain Mapping fifteenth annual meeting; 2009 June 18-23; San Francisco.
173. B Eom, K Penanen, PK Day, I Hahn, **MS Cohen**, editors. “*Development of Cryogen-Free Ultra-Low Field MRI Instrument*”. International Society for Magnetic Resonance in Medicine 17th Annual Meeting; 2009; Honolulu.
174. A Anderson, J Bramen, A Lenartowicz, P Douglas, C Culbertson, A Brody, **MS Cohen**, editors. “*Categorization and Generation of group-wide independent components in fMRI using clustering*”. Organization for Human Brain Mapping; 2010; Barcelona, Spain.
175. P Douglas, M Durnhofer, E Lau, W Lei, **MS Cohen**, editors. “*Machine Learning Classification of Belief vs. Disbelief States Using both Tomographic and Topographic Dimension Reduction*”. Society for Neuroscience; 2010; San Diego.
176. PK Douglas, JD Rudie, JA Brown, A Yuille, A Andersen, **MS Cohen**, SY Bookheimer, M Dapretto. “*Resting State Functional Connectivity MRI Based Prediction of Autism vs. Typically Developing.*” Organization for Human Brain Mapping; Quebec City, Canada 2011. p. 130.
177. A Anderson, **MS Cohen**, editors. “*Functional localization of the placebo effect*”. Society for Neuroscience; 2012; New Orleans, LA: Society for Neuroscience.
178. A Anderson, M Owyong, J Bramen, P Douglas, W Kerr, D Han, R Reid, H Xia, A Cho, A Brody, **MS Cohen**, editors. “*fMRI Imaging Biomarkers for Predicting Treatment Response*”. International Society for CNS Clinical Trials and Methodology 8th annual meeting; 2012; Washington, DC.
179. JE Bramen, A Lenartowicz, GV Simpson, **MS Cohen**, editors. “*Higher default mode network activity is associated with poorer performance during a multi-modal continuous attention task.*”. Society for Neuroscience; 2012; New Orleans, LA: Society for Neuroscience.
180. JE Bramen, A Lenartowicz, GV Simpson, **MS Cohen**, editors. “*Higher default mode network activity is associated with poorer performance during a multi-modal continuous attention task*”. Society for Neuroscience; 2012; New Orleans, LA: Society for Neuroscience.
181. **MS Cohen**, editor. “*Informative Brain-Mind Feature Spaces*”. Berlin Brain Computer Interface; 2012; Berlin, Germany.
182. **MS Cohen**, editor. “*Classifying for Discovering: Multimodal Data and Optimal Bases*”. Social and Affective Neuroscience; 2012; Beijing, China: Beijing Normal University.

183. **MS Cohen**, editor. “*Unnatural Images*”. Frontiers in Computer Vision; 2012; Providence, Rhode Island.
184. PK Douglas, J Colby, J Rudie, JA Brown, **MS Cohen**, Z Shehzad, editors. “*Insights into multimodal imaging classification of ADHD*”. Organization for Human Brain Mapping; 2012; Beijing, China.
185. PK Douglas, D Moyer, **MS Cohen**, editors. “*Colocalizing EEG and fMRI in Space*”. Society for Neuroscience; 2012; New Orleans, LA: Society for Neuroscience.
186. A Gupta, GC Gee, AF Leuchter, **MS Cohen**, GE Wyatt, M-F O'Connor, editors. “*The social environment impact: Brain activation and distress during imagery of racial discrimination experiences*”. Society for Neuroscience; 2012; New Orleans, LA: Society for Neuroscience.
187. A Head, W Li, A Lenartowicz, GV Simpson, **MS Cohen**, editors. “*Increased intra-individual variability of ultra-slow cortical EEG activity during sustained attention in adults with ADHD*”. Society for Neuroscience; 2012; New Orleans, LA: Society for Neuroscience.
188. WT Kerr, A Anderson, EP Lau, AY Cho, H Xia, J Bramen, PK Douglas, ES Braun, JM Stern, **MS Cohen**, editors. “*Automated diagnosis of epilepsy using EEG power spectrum*”. Society for Neuroscience; 2012; New Orleans, LA: Society for Neuroscience.
189. A Lenartowicz, GV Simpson, **MS Cohen**, editors. “*Control of non-spatial attention involves both enhancement of target and suppression of distractor related cortical EEG activity*”. Society for Neuroscience; 2012; New Orleans, LA: Society for Neuroscience.
190. C Rodriguez, **MS Cohen**, editors. “*A method for fully automated localization and identification of electroencephalographic electrodes from magnetic resonance images*”. Society for Neuroscience; 2012; New Orleans: Society for Neuroscience.
191. JD Rudie, JB Colby, Z Shehzad, PM Douglas, JA Brown, D Beck-Pancer, LM Hernandez, DH Geschwind, PM Thompson, **MS Cohen**, SY Bookheimer, M Dapretto. “*Autism Classification Using Local, Global, and Connectome-Wide Measures of Functional Connectivity.*” International Meeting for Autism Research; San Diego2012.
192. H Xia, **MS Cohen**, D Ruan, editors. “*Regional variations in the time course of EEG-fMRI signal coupling*”. Society for Neuroscience; 2012; New Orleans, LA: Society for Neuroscience.
193. H Xia, **MS Cohen**, D Ruan, editors. “*Regional Variations in the time course of EEG--fMRI signal coupling*”. Organization for Human Brain Mapping; 2012; Beijing, China.
194. A Anderson, M Owyong, J Bramen, PK Douglas, WT Kerr, **MS Cohen**, editors. “*fMRI imaging biomarkers for predicting treatment response in craving and addiction*”. Society for Neuroscience 43d annual meeting; 2013.
195. **MS Cohen**, WT Kerr. “*Pattern analysis in the diagnosis of epilepsy.*” American Society for Neuroradiology 51st annual meeting; San Diego, CA2013.
196. WT Kerr, A Trefler, KR Raman, ES Hwang, **MS Cohen**. “*Quantifying when epilepsy is observable using MRI and FDG-PET.*” Society for Neuroscience; San Diego2013.

197. WT Kerr, A Trefler, KR Raman, ES Hwang, JM Stern, N Salamon, **MS Cohen**. “*Predicting when MRI and FDG-PET will exhibit epilepsy-related findings.*” American Epilepsy Society; Washington, DC2013.
198. N Reggente, **MS Cohen**, Z Zheng, De S N.G., AD Castel, BJ Knowlton, J Rissman. “*Memory recall for high value items correlates with individual differences in white matter pathways associated with reward processing and fronto-temporal communication.*” Society for Neuroscience Annual Meeting; San Diego2013.
199. A Anderson, W Kerr, P Douglas, **MS Cohen**, editors. “*Modeling and Measuring the Placebo Effect in Craving and Nicotine Addiction Using fMRI*”. Organization for Human Brain Mapping 20th annual meeting; 2014; Hamburg, Germany.
200. PK Douglas, AA Anderson, WT Kerr, **MS Cohen**, editors. “*Investigating the Spectrally Dependent Relationship between EEG and fMRI Signals*”. Organization for Human Brain Mapping 20th annual meeting; 2014; Hamburg, Germany.
201. A Jimenez, J Lee, J Wynn, W Horan, A Bender, M McGee, S Engel, D Glahn, K Nuechterlein, **MS Cohen**, editors. “*Deficits at the Perception-Attention Interface in Schizophrenia: An fMRI Study*”. Neuropsychopharmacology; 2014.
202. WT Kerr, AY Cho, ST Nguyen, NM Reddy, DHS Silverman, N Salamon, JM Stern, **MS Cohen**, editors. “*Interictal metabolic alterations in patients with psychogenic non-epileptic seizure*”. Organization for Human Brain Mapping 20th annual meeting; 2014; Hamburg, Germany.
203. WT Kerr, EA Janio, CT Braesch, JM Hori, JM Le, KR Raman, AB Patel, SE Barritt, ES Hwang, EC Davis, D Torres-Barba, J Jerome Engel, JM Stern, N Salamon, **MS Cohen**, editors. “*Diagnosing Seizure Disorder by Understanding Patterns of Comorbidities and Pharmaceutical Management*”. American Epilepsy Society 68th Annual Meeting; 2014 2014 (in process); Seattle, WA.
204. GV Simpson, SR O'Connell, SLM Noah, AL Head, RM Bilder, JT McCracken, SY Bookheimer, R Reid, **MS Cohen**, editors. “*New EEG measures reveal infra-slow fluctuations in both attending and ignoring in adults with ADHD that provide high accuracy in discriminating ADHD from control.*”. Society for Neuroscience 45th Annual Meeting; 2015; Chicago.
205. **MS Cohen**. “*Domain knowledge and feature representation.*” 2016 4th International Winter Conference on Brain-Computer Interface (BCI); Yongpyong, South Korea: IEEE; 2016.