Curriculum Vitae

Date Prepared: November 26, 2013
Name: Marek Kubicki, M.D., Ph.D.
Office address: Psychiatry Neuroimaging Laboratory, Department of Psychiatry,
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Work e-mail: kubicki@bwh.harvard.edu
Place of Birth: Czestochowa, Poland

Education:

1990	B.S.	Biochemistry	Medical University, Lodz
1994	M.D.	Medicine	Medical University, Lodz
1999	Ph.D.	MRI Physics	Medical University, Lodz

Training:

1994-1995	Internship in General Medicine at Polish Mothers' Memorial Hospital, Research Institute, Lodz
1995-1999	Radiology residency training at Polish Mothers' Memorial Hospital, Research Institute, Department of Diagnostic Imaging, Lodz
1997	MR Neuroimaging fellowship; Erazm Hospital, Brussels, Belgium
1997	MR H1 Spectroscopy fellowship; Cleveland Clinic, Fort Lauderdale, USA
1998	fMRI fellowship; Surgical Planning Laboratory, Brigham and Women's Hospital, Harvard Medical School, Boston, USA
1998	First Annual Course on Neuroanatomic and Neuroradiologic Applications in Neurology and Neurosurgery, Munich, Germany
1999	22nd Postgraduate Course of Pediatric Radiology, Jerusalem, Israel
1999-2000	Research Fellow, Department of Psychiatry, VA Boston Healthcare System, Brockton Division, Harvard Medical School

Faculty Academic Appointments:

1995	Teaching Assistant, Department of Diagnostic Imaging, Institute of Radiology, Polish Mothers' Memorial Hospital, Lodz
1997-2001	Assistant Professor in Radiology, Department of Diagnostic Imaging, Institute of Radiology, Polish Mothers' Memorial Hospital, Lodz
2000-2001	Visiting Assistant Professor, Department of Psychiatry, VA Boston Healthcare System, Brockton Division, Harvard Medical School
2001-2004	Instructor, Department of Psychiatry, VA Boston Healthcare System, Brockton Division, Harvard Medical School
2004-2005	Assistant Professor, Department of Psychiatry,VA Boston Healthcare System, Brockton Division, Harvard Medical School
2005-2010	Assistant Professor, Department of Psychiatry, Brigham and Women's Hospital, Harvard Medical School
2010-	Associate Professor, Departments of Psychiatry and Radiology, Brigham and Women's Hospital, Harvard Medical School

Appointments at Hospitals/Affiliated Institutions:

2005-	Research Associate, Department of Psychiatry, VA Boston Healthcare System, Brockton Division, Harvard Medical School
2005-	Research Associate, Department of Psychiatry, Brigham and Women's Hospital
2009-	Associate Director, Psychiatry Neuroimaging Laboratory, Department of Psychiatry, Brigham and Women's Hospital, Harvard Medical School

Professional Societies:

1995-	Polish Radiological Society- member
2001-2001	Local Branch of the Young Radiologists Society- president
2001-	Cognitive Neuroscience Society- member
2004-	New York Academy of Sciences- member
2005-	World Federation of Societies of Biological Psychiatry- member
2005-	Society of Biological Psychiatry- member
2009-	Schizophrenia International Research Society- member

Grant Review Activities:

2007	*International Congress of Schizophrenia Research*, Ad-hoc reviewer for the Young Investigator Award applications
2008	*Human Brain Mapping*, Ad-hoc reviewer for Conference Abstracts
2008	*MICCAI* (Medical Image Computing and Computer Assisted Intervention Society), Ad-hoc reviewer for Conference Abstracts
2008, 2009	*Wellcome Trust*, Ad-hoc grant reviewer
2009, 2012	*Innovational Research Incentives Consortium*, Ad-hoc grant reviewer
2011, 2012	*National Medical Research Council*, Ad-hoc grant reviewer
2013	*ITVA NIMH* Study Section, Ad-hoc grant reviewer
2013	*Czech Science Foundation*, Ad-hoc grant reviewer

Editorial Activities:

2008-	Editorial Board Member	*Psychiatry Research: Neuroimaging*
2008-	Associate Editor	*BMC Psychiatry*
2011	Guest Editor	*Schizophrenia Research and Treatment*
2013	Guest Editor	*Schizophrenia Research and Treatment*

Ad Hoc Reviewer:

Psychiatry Research: Neuroimaging
American Journal of Psychiatry
Archives of General Psychiatry
Cerebral Cortex
Brain
Human Brain Mapping
Schizophrenia Bulletin
Schizophrenia Research
Biological Psychiatry
Neuroscience Letters
NeuroImage
Lancet
Journal of Magnetic Resonance Imaging
European Archives of Psychiatry and Clinical Neuroscience
Harvard Review of Psychiatry
Neurobiology of Disease
Medical Science Monitor
IEEE Transactions on Medical Imaging
National Medical Research Council
The Engineering in Medicine and Biology Conference
American Journal of Medical Genetics
Brain Imaging and Behavior

Neuropsychobiology
Neuropsychologia
The International Journal of Neuropsychopharmacology
Journal of Neuroscience
Cortex
Mollecular Psychiatry

Honors and Prizes:

1997	Batory Foundation Travel Award
1998	The European Seminars in Diagnostic and Interventional Radiology Young Radiologist Award
1999-2001	Polish State Research Committee Grant
1999-2000	The Kosciuszko Foundation Research Award
2000	Mysell Award for the best poster presentation for all of the Departments of Psychiatry, Harvard Medical School, Boston, MA
2001-2003	*National Alliance for Research in Schizophrenia and Depression (NARSAD) Young Investigator's Award*
2001	Young Scientist Award, *11th Biennal Winter Workshop on Schizophreni*a, Davos, Switzerland
2001	*Grable Investigator Award*, Grable Foundation, Pittsburgh, PA
2003	*NIMH Young Investigator Award, International Congress of Schizophrenia Research*
2003-2004	*Wodercroft Investigator Award*, Wodercroft Foundation, Westport, CT
2003-2005	*National Alliance for Research in Schizophrenia and Depression (NARSAD) Young Investigator's Award*
2003-2006	Brigham & Women's Hospital *Translational Neuroscience Award*
2004	*American College of Neuropsychopharmacology Travel Award*
2006-2007	*William F. Milton Fund Award*, Harvard Medical School
2013	*Biomedical Research Institute Fund to Sustain Research Excellence*

Report of Funded Projects:

Past Grant Support:

1994-2004 Investigator- *Computerized Image Analyses of MR Scans in Schizophrenia*
NIH/NIMH 2R01 MH 50740-06 (PI- Martha E. Shenton)
The goals of this grant are to define and to localize further brain abnormalities in the temporal lobe in patients afflicted with schizophrenia.

1993-2003 Investigator- *Neurophysiological Studies of Schizophrenia*
NIH/NIMH RO1 MH40799-09 (PI- Rober W. McCarley)
The goal of this study is to understand the neurophysiological basis of schizophrenia.

2001-2003 Principal Investigator- *A magnetic Resonance Diffusion Tensor Study of the Cingulate Fasciculus in Schizophrenia*
NARSAD
The goal of this study is to use DTI to evaluate, in vivo, the cingulate fasciculus in patients diagnosed with schizophrenia.

2003-2006 Principal Investigator- *Understanding the Nature of White Matter Abnormalities in Cingulate Fasciculus in Schizophrenia*
NARSAD
The goal of this study is to use DTI and MTR to better understand abnormalities detected previously within the cingulate fasciculus in patients diagnosed with schizophrenia.

2003-2006 Principal Investigator- *White Matter Myelin Abnormalities in Schizophrenia*
NIMH R03 MH068464-01
The goal of this study is to use various MRI *in vivo* techniques to better understand white matter myelin abnormalities in patients diagnosed with schizophrenia.

2003-2006 Co-Principal Investigator- *Using Diffusion Tensor Imaging, Structural and Functional MRI of the Cingulate Gyrus to Examine Emotional Processing in Schizophrenia and Schizotypal Personality Disorder*
Brigham & Women's Hospital Translational Neuroscience Project Grant
The goal of this study is to use MRI, DTI and FMRI to understand emotional processing in patients diagnosed with schizophrenia and schizotypal personality disorder.

2006-2007 Principal Investigator- *Fronto-Temporal Connectivity in Schizophrenia*
William F. Milton Fund Award, Harvard Medical School
The goal of this study is to use Diffusion Tensor MRI and various post processing techniques to differentiate and measure Inferior Occipito-Frontal and Uncinate Fasciculi, fibers connecting frontal and temporal lobes, and the relationship between their integrity and clinical and cognitive abnormalities observed in chronic schizophrenia.

1994-2009 Investigator- *Computerized Image Analyses of MR Scans in Schizophrenia*
NIH/NIMH 2R01 MH 50740-06 (PI- Martha E. Shenton)
The goals of this grant are to define and to localize further brain abnormalities in the temporal lobe in patients afflicted with schizophrenia.

2007-2010 Core Principal Investigator- *Velocardiofacial Syndrome as a Genetic Model of Schizophrenia*
National Alliance for Medical Imaging Computing (NA-MIC), U54 GM072977-01,NIGHS/NIH
The goal of this large study is to develop software and methodology for clinical studies. The goal of Dr Kubicki's Core is to develop software that would be later used to study anatomical brain connectivity in VCFS and schizophrenia patients.

1994-2010 Investigator- *Biological Basis of Schizotypal Personality Disorder*
NIH/NIMH2R01 MH52807-14 (Co-PIs- Robert W. McCarley, Martha E. Shenton)
The major focus of this project is ERP and MRI studies of schizotypal personality disorder subjects.

2009-2013 Investigator- *Neuroimaging Leadership*
Department of Defense: The Harvard Clinical Defense Consortium (HCDC): PTSD/TBI Clinical Consortium (PIs Shenton, Kikinis, Rosen)
The main goal is to establish imaging sequences at each of the consortium sites.

2011-2013 Investigator- Modification of the neuroimaging leadership core to perform post processing MRI
W81XWH-07-CC-CS-DoD (PIs Shenton, Kikinis,Rosen)
The main goal of this subaward is to perform the post processing of images to provide dependent measure of interest based on hypotheses determined by the larger clinical consortium.

2011-2013 Investigator- A randomized clinical trial of Glyburide for TBI
W81XWH-07-CC-CS-DoD (PI Eisenberg)
The main goal of this subaward is develop algorithms for the imaging component of this study.

2012-2013 Investigator- Neurochemical and Multimodal Biomarkers for CTE
CIMIT (PI Lin)
Goal: The goal of this project is to examine the clinical presentation and biomarkers that accompany chronic traumatic encephalopathy (CTE; also known as dementia pugilistica), a preventable cause of dementia. CTE is caused by repetitive head trauma, including both concussive and sub-concussive blows to the head, such as those experienced by the millions of youth, high school, college, and professional athletes involved in contact sports.

Current Grant Support:

2013-2018 Contact Principal Investigator - *Neural substrates of diffusion imaging in cognitively aging rhesus monkeys*
1R01 AG042512 (PIs: Kubicki, Makris, Rosene)
The objective of this project is to develop and to validate on animal model imaging diffusion biomarkers of brain maturation, degeneration and aging.

2013-2018 Principal Investigator- *Diffusion Imaging Biomarkers for Risk, Onset & Outcome in Schizophrenia*
R01 MH102377-01
The main goal of this proposal is to establish imaging biomarkers that would characterize schizophrenia risk, be specific to onset of psychosis, and predict outcome of disease. Grant pending, received 4 percentile score.

2007-2017 Investigator- *Novel DT-MRI Analyses if White Matter in Schizophrenia*
NIH R01 M074794 (PI- Carl F. Westin)
The objective of this project is to develop and apply novel Diffusion Tensor Magnetic Resonance Imaging (DT-MRI) group analysis methods, in order to detect and localize white matter brain abnormalities in schizophrenia.

2007-2014 Investigator- *Vulnerability to Progression Schizophrenia*
1P50MH080272-01 (PI- Robert W. McCarley)
This CIDAR application proposes four projects and four cores to test the hypothesis that schizophrenia is characterized by progressive decline in brain neurocognitive and executive functions.

2009-20014 Investigator- *MR Brain Diffusion Tensor Imaging in Schizophrenia*
Veterans Administration Merit Review (PI- Shenton)
The major goal of this project is to develop DTI technology and to understand schizophrenia.

2011-2016 Investigator- *Fetal Hormonal Programming of Sex Differences in Aging of the Memory Circuity*
NIH 3R01MH090291-01 (PI- Goldstein)
The main goal is to evaluate in humans the impact of fetal risk factors known to affect aging, on sex-specific adult memory deficits related to loss of estrogenic support.

2011-2014 Investigator- *Chronic Traumatic Encephalopathy: Clinical Presentation and Biomarkers*
R01 NS 078337-01A1(PIs- Stern, Shenton, Mountford)
The main goal of this subcontract is to investigate the relationship between head trauma exposure and the clinical symptoms that appear later in life.

2011-2013 Investigator- *Department of Defense* (*PET*) – No Cost Extension to 2014
W81XWH-07-CC-CS-DoD (PIs Shenton, Zafonte, Stern)
The Harvard Clinical Defense Consortium (HCDC): PTSD/TBI Clinical Consortium
The main goal of this grant is examine the role of neuroinflammation in TBI using PET with [11C]-PK-11195.

2009-2013 Investigator- *Neuroimaging Leadership*
Department of Defense: The Harvard Clinical Defense Consortium (HCDC): PTSD/TBI Clinical Consortium (PIs Shenton, Kikinis, Rosen) (No Cost Extension to 2014)
The main goal is to establish imaging sequences at each of the consortium sites.

2011-2013 Investigator- Modification of the neuroimaging leadership core to perform post processing MRI
W81XWH-07-CC-CS-DoD (PIs Shenton, Kikinis, Rosen) (No Cost Extension to 2014)
The main goal of this subaward is to perform the post processing of images to provide dependent measure of interest based on hypotheses determined by the larger clinical consortium.

2011-2013 Investigator- A randomized clinical trial of Glyburide for TBI
W81XWH-07-CC-CS-DoD (PI Eisenberg) (No Cost Extension to 2014)
The main goal of this subaward is develop algorithms for the imaging component of this study.

2012-2013 Investigator- Neurochemical and Multimodal Biomarkers for CTE
CIMIT (PI Lin)
Goal: The goal of this project is to examine the clinical presentation and biomarkers that accompany chronic traumatic encephalopathy (CTE; also known as dementia pugilistica), a preventable cause of dementia. CTE is caused by repetitive head trauma, including both concussive and sub-concussive blows to the head, such as those experienced by the millions of youth, high school, college, and professional athletes involved in contact sports.

Report of Local Teaching and Training:

Medical University Lodz

1995-1997 Diagnostic Radiology, Department of Radiology, Lodz Medical University, Poland, Teaching Assistant (30 medical students, 10 hours a day, 4 semesters).
1997-1999 Diagnostic Imaging (Physics and applications of Computer Tomography and Magnetic Resonance), Department of Radiology, Lodz Medical University, Poland, Assistant Professor (30 medical students, 10 hours a day, 4 semesters).

Harvard Medical School

2005- Weekly clinical diffusion tensor imaging (DTI) seminars, Department of Psychiatry, Psychiatry Neuroimaging Laboratory, Brigham and Women's Hospital, Harvard Medical School (10-15 students and fellows, 1 hour a week).
2006- Monthly consultations with PhD neuroscience candidates, Computer Science and Artificial Intelligence laboratory (CADSIL), Massachusetts Institute of technology (2-3 PhD students, 2-3 hours a month).
2012- Thesis Advisor, Harvard College, Cambridge, MA
2013- "Imaging Methods" class for PG-II Psychiatry Residents, Harvard Medical School

Advisory and Supervisory Responsibilities:

Thesis Supervision of Graduate Students

1999-2002 Terri Huh, Ph.D. candidate, Boston University, MA
1999-2002 Duke Han, Ph.D. candidate, Boston University, MA
2005-2006 Lauren O'Donnell, Ph.D. candidate, MIT, MA (currently a research fellow in the Department of Neurosurgery, Brigham and Women's Hospital, HMS)
2006-2008 Mahnaz Mandah, Ph.D. candidate, MIT, MA (currently a computer scientist in the General Electric Research)
2008-2012 Archana Venkataraman, Ph.D. candidate, MIT, MA
2008-2011 Jacek Jonca, Ph.D. candidate, Texas Tech, TX
2011- Julie Stamm, Ph.D. candidate, Boston University
2012- Preceptor, Clinical Research Training Program in Biological and social Psychiatry, Harvard Medical School

Supervision of Undergraduate Students

2001-2002 Trifon Fitchorov (currently a PhD student (computer science) at BU)
2002, 2003 Michael Niznikiewicz (currently a PhD student (neuroscience) at Univeristy of Chicago)
2006 Jasmine Rollins
2007 Douglas Terry (currently a PhD student at Stanford University)

2007	Jacqueline Goldberg
2008, 2009	Eric Melanakos (currently an undergraduate student at Unversity of Utah)
2011	Andrew Michalowski (currently an undergraduate student at Unversity of Massachussetts, Amherst)
2012-2013	Jessica Zhao, honors thesis student at Harvard

Supervision of Research Assistants

1998-2000	Ashley Krikun
2000-2001	Elizabeth David
2001-2003	Magdalena Spencer
2001-2003	Hal Ersner-Hershfield
2001-2004	Aaron Bauer
2002-2006	Lida Ungar
2003-2005	Erin Connor
2004-2006	Mark Dreusicke
2004-2006	Adam Cohen
2004-2006	Georgia Bushell
2005-2008	Doug Markant
2006-2008	Charlie Davidson
2006-2008	Usman Khan
2006-	Kate Smith
2006-2011	Jorge Alverado
2007-2011	Laurel Bobrow
2008-2011	Doug Terry
2008-2010	Andrew Rausch
2008-2012	Paula Pelavin
2009-2011	Katherine Hawley
2009-2012	Mai-Anh Vu
2009-2012	Thomas Ballinger
2009-2012	Alexander LaVenture
2010-2012	Rebecca King
2011-2012	Kelsey Smith
2010-	Tali Swisher
2012-	Kathryn Green
2012-	Michelle Giwerc
2012-	Brian Dahlben
2012-	Eli Fredman
2013-	Charles Yegatian

Supervision of Research Fellows

2001-2004	Hae-Jeong Park, PhD
2001-2004	Noriomi Kuroki, MD
2002-2007	Motoaki Nakamura, MD, PhD
2003-2006	Min Seong-Koo, MD
2004-2006	Kang Uk Lee, MD
2004-2006	Takeshi Yoshida, MD
2006-2008	Toshiro Kawashima, MD, PhD
2006-2007	Gudrun Rosenberger, MD
2006-2007	Marc Niethammer, PhD
2006-	Jennifer Fitzsimmons, MD
2006-	Zora Kikinis, PhD
2006-2007	BumSeok Jeong, MD
2007-2009	Jungsu Oh, PhD

2007	Aristotle Voineskos, PhD
2007-2008	Lucas Torres, MD
2007-2008	Tri Ngo, MA
2008-2011	Thomas Whitford, PhD
2008-2010	Sun Woo Lee, MD
2008-2012	Jason Schneiderman, PhD
2008-2011	Takeshi Asami, MD, PhD
2008-2011	Toshiyouki Otani, MD, PhD
2008-2010	Julien de Siebenthal, PhD
2008-2010	James Malcolm, MS
2008-	Peter Savadjiev, PhD
2008-	Yogesh Rathi, PhD
2009-	Hesham Hamoda, MD
2009-	Inga Koerte, MD
2009-2011	Tatsui Otsuka, MD, PhD
2009-2010	Hsiao Piau, PhD
2009-2011	Sang-Hyuk Lee, MD, PhD
2009-2011	Yukiko Saito, MD, PhD
2009-	Ofer Pasternak, PhD
2010-	Demian Wasserman, PhD
2010-2011	Marlene Wigand, MD
2010-2011	Christian Clemm, MD
2010-2011	Karl Eger, MD
2010-2012	Meina Quan, MD, PhD
2011-	Inga Koerte, MD
2013-	Takeshi Sasaki, MD

Report of Local, National and International Invoted Presentations (primary or co-author):

Local and Regional

2000	Invited Speaker: Magnetization Transfer Contrast-MRI technique and applications. *Brigham and Women's Hospital*, HMS, Boston, MA.
2003	Invited Speaker: White Matter Abnormalities in Schizophrenia, *Department of Psychology, UMass Boston*, MA
2005	Invited Speaker: A Functional Imaging Study of Semantic Encoding in Schizophrenia, *Surgical Planning Laboratory Journal Club, Department of Radiology Brigham and Women's Hospital, Harvard Medical School*, Boston, MA
2006	Invited Speaker: Advances in DTI, *Department of Psychiatry, VA Boston Healthcare System*, Brockton, MA. Invited Speaker: Uncinate Fasciculus and its abnormalities in schizophrenia, *presentation for 1st and 2nd year Psychiatry Residents, Brigham and Women's Hospital, HMS*, Boston, MA Invited Speaker: Diffusion Tensor Imaging and DT Tractography in Psychiatric Research, *Neuroscience Seminar Series, Mass General Hospital, Charlestown*, Boston, MA
2007	Invited speaker: Neuroimaging Applications to Psychiatric Disorders, *Brigham and Women's Hospital, Biomedical Research Institute, Imaging Program Seminar Series*. Boston, MA Presentation for students and postdocs: "Anatomical Disconnection in Schizophrenia, Evidence from DTI", *Psychiatry Neuroimaging Laboratory, Department of Psychiatry, HMS*, Boston, MA
2008	Invited speaker, "MRI Findings in Schizophrenia", *Program in Biomedical Neuroscience, Department of Pharmacology and Experimental Therapeutics, Boston University School of Medicine*, Boston, MA. Invited speaker, " Diffusion Tensor Imaging Findings in Schizophrenia" , *Massachusetts Mental Health Center Research Grand Rounds, Department of Psychiatry*, Harvard Medical School.

Symposium: "Altered White Matter Communication in Schizophrenia and Bipolar Disorder: A Possible Common Endophenotype?"

Invited speaker, "Diffusion Tensor Imaging in Schizophrenia" , *Summer School course in Neuroscience at Harvard University*, Directed by Dr. Dorothy Holinger.

Invited Speaker, "Advances in MRI and DTI Findings in Schizophrenia" , *VA Boston Healthcare System/Harvard Grand Rounds*, Brockton, MA.

Invited Speaker, "MRI and DTI Findings in Schizophrenia" , *Harvard Longwood Psychiatry Grand Rounds Conference, Harvard Medical School Department of Psychiatry*.

2010 Invited Speaker, "White Matter Findings in Schizophrenia and Related Disorders." Psychiatry Genetics and Translational Research Seminar, Department of Psychiatry, Massachusetts General Hospital, Boston, MA.

2011 Invited Speaker, "Diagnostic and Prognostic Indicators of Traumatic Brain Injury." Exploring Diagnostic, Therapeutic, and Rehabilitative Strategies in NeuroHealth, TBI, and PTSD. Center for Integration of Medicine and Innovative Technology (CIMIT),

2012 Invited Speaker, "Neuroimaging and Psychiatry Disorders", PGY II Residents, Harvard South Shore Psychiatry Residency Training Program, VA Brockton, Harvard Medical School,

Invited Speaker, "Excessive Extracellular Volume Contributes to White Matter Abnormalities in the Early Stages of Schizophrenia", at the Centennial Celebration of Massachusetts Mental Health Center, Boston, MA.

Speaker at the first Conference on Chronic Traumatic Encephalopathy sponsored by the Cleveland Clinic Lou Ruvo Center for Brain Health and Boston University, "Role of Neuroimaging in CTE Detection: MRI, MRS, and Emerging PET Tau Imaging", Las Vegas, Nevada.

2013 Invited Speaker, "Advanced Imaging in Mild TBI" at the 93rd New England Roentegen Ray Society, Boston, MA.

Invited Speaker, "Neuroimaging and Its Application to Schizophrenia". Talk given to PGYII Residents in Psychiatry at the South Shore Residency Training Program in Psychiatry, Harvard Medical School, VA Boston Healthcare System.

Invited Speaker, "Advances in Neuroimaging and Their Application to Mild Traumatic Brain Injury". Talk given to PGYII Residents in Psychiatry at the South Shore Residency Training Program in Psychiatry, Harvard Medical School, VA Boston Healthcare System.

National

1997 Paper presented on Multiple Sclerosis: comparative MR imaging morphometry of white matter lesions, using FLAIR versus T2 weighted sequences with clinical correlation at the *Meeting of Radiologic Society of North America*, Chicago, IL.

2000 Paper presented on Uncinate fasciculus in schizophrenia: A diffusion tensor study at the *American Psychiatric Association*, Chicago, IL.

2004 Invited Speaker: DTI findings in schizophrenia. DTI Workshop, *New York Academy of Sciences*, New York, NY

2005 Invited Speaker: From Acquisition to Analysis, Potential and Limitations of Diffusion tensor Imaging, *European College of Neuropsychopharmacology* Symposium, Chicago, IL.

2006 Invited Speaker: Anatomical Disconnection in Schizophrenia, Evidence from DTI, *Nathan Kline Psychiatry Research Institute*, Orangenburg, NY

2007 Discussant for "DTI Update", all hands meeting of the *National Alliance for Medical Imaging and Computing*, Salt Lake City, Utah.

Invited Speaker, "Longitudinal diffusion tensor imaging (DTI) of white matter changes in schizophrenia", *International Congress of Schizophrenia Research*, Colorado Springs, CO.

2009 Oral Presentation, "Anterior cingulate and paracingulate abnormalities in schizophrenia." Society for Neuroscience Meeting, Chicago, IL.

Invited Speaker, "DTI Findings in Schizophrenia," School of Pharmacology, University of Rhode Island, Kingston, RI.

2011 Oral presentation, Diagnosis of Diffuse Axonal Injury with Diffusion Tensor Imaging, 3rd Federal Interagency Conference on TBI, Washington DC.
Oral presentation, Diffusion Imaging Reveals Two Spatially Separable Mechanisms In Mild TBI. 3rd Federal Interagency Conferenceon TBI, Washington, DC.
Invited Speaker, "White Matter Changes in First Episode Schizophrenia." Presented as part of a symposium on findings from the CIDAR first episode study of schizophrenia, entitled, "Vulnerability to Progression in Schizophrenia." International Congress of Schizophrenia Research, Colorado Springs, CO.
Chair, Symposium on Multi-Modal Findings in Schizophrenia. International Congress of Schizophrenia Research, Colorado Springs, CO.

International

1997 Paper presented on Multiple Sclerosis lesions volume measurement using FLAIR sequences compared to the standard T2 weighted sequences at the *Congress of European Society of Neuroradiology*, Oxford, England.

1998 Invited Speaker: Transcranial doppler sonography- new approach. *Polish School of Sonography*, Lodz, Poland.
Invited Speaker: H1 Spectroscopy- New MRI method. *Children's Health Center*, Warsaw, Poland.
Invited Speaker: MRI in neuroradiology. *Children's Health Center*, Warsaw, Poland.

1999 Paper presented on Proton magnetic resonance spectroscopy of pediatric brain tumors at 36th *Annual Congress of European Society of Pediatric Radiology*, Jerusalem, Israel.

2001 Paper presented on Disruption of the integrity within the cingulum bundle in Schizophrenics- MR Diffusion Tensor Study at the *International Conference of Schizophrenia Research*, Whistler, BC.

2004 Paper presented on White matter integrity in schizophrenia- DTI and MTR voxel-wise analysis at the *Winter Workshop in Schizophrenia*, Davos, Switzerland.

2005 Invited Speaker: Anatomical Disconnection in Schizophrenia, Evidence from DTI, *World Congress of Biological Psychiatry (WCBP)*, Vienna, Austria
Invited Speaker: Executive Attentional Network- Functional Activation and Anatomical Integrity in Schizophrenia, *Human Brain Mapping* Conference, Florence, Italy.
Paper Presented: *International Postgraduate Programme in Life and Health Sciences on Imaging in Neuropsychiatric Research, University of Minho*, Braga, Portugal, Diffusion Tensor Imaging Applied to Schizophrenia: A New Technique for Exploring White Matter Abnormalities, Braga, Portugal.
Paper Presented: *International Postgraduate Programme in Life and Health Sciences on Imaging in Neuropsychiatric Research, University of Minho*, Braga, Portugal, ERP, MRI, DTI, and Cognitive Abnormalities in Schizotypal Personality Disorder.

2007 Paper Presented: "DTI findings in schizophrenia", *Department of Psychiatry, University of Toronto School of Medicine*, Toronto, Canada.

2008 Invited Speaker: Cingulum Bundle and Uncinate Fasciculus and their Involvement in the Neuropathology of Schizophrenia: Evidence from Diffusion Tensor Imaging. *International Schizophrenia Conference*, Venice, Italy.
Paper Presented: "Uncinate Fasciculus and Cingulum bundle findings in First Episode Schizophrenia and First Episode Bipolar Disorder: A Diffusion Tensor Imaging Study" . *16th European Congress of Psychiatry*, Nice, France.
Paper Presented: *Plenary Talk, XI Turku PET Symposium*: New Targets in Molecular Imaging, " Advances in White Matter Imaging" , Turku, Finland.
Paper Presented: " Advances in Diffusion Tensor Imaging in Schizophrenia" , presented at the *Brain Imaging Symposium, New Concepts in Structural and Functional Imaging, IBILTFaculdade de Medicine, Amfiteatro, Center for Neuroscience and Cell Biology,University of Coimbra*, Coimbra, Portugal.

Paper Presented: " DTI Applications to Schizophrenia" , *Department of Psychology and Radiology, University of Minho*, Braga, Portugal.

Invited speaker on " Advances in white matter imaging in schizophrenia" . *21st European College of Neuropsychopharmacology Congress*, Barcelona, Spain.

2009 Invited Speaker, symposium chair, " Advances in DTI and Its Applications to Schizophrenia" , presented at the *International Congress of World Psychiatric Association*, Florence, Italy.

Symposium Speaker, " New Methods for Assessing Whole Brain DTI Abnormalities in Schizophrenia" , presented at the *International Congress of World Psychiatric Association*, Florence, Italy.

2011 Co-Chair, Symposium entitled "A Multimodal Imaging Approach to Investigating the Structural Basis of Aberrant Brain Connectivity in Patients with Schizophrenia." 10th World Congress of the World Federation of Biological Psychiatry, Prague, Czech Republic.

2012 Invited Speaker, "Identification of Neuroinflammation in Mild Traumatic Brain Injury Using a Free Water Atlas, 9th World Congress on Brain Injury (IBIA), Edinburgh, Scotland.

Paper presented, "Estimation of Extracellular Volume from Regularized Multi-Shell Diffusion MRI. MICCAI, Nice, France.

2013 Invited Speaker, "Beyond "white matter integrity"- new advances in DTI studies in schizophrenia", Kansai Univeristy, Osaka, Japan

Chair, Symposium entitled: New Developments in White Matter Imaging in Schizophrenia, Towards Understanding Underlying Pathology." WFSBP, Kyoto, Japan

Report of Scholarship

Original Articles

Peer-Reviewed Articles Published in Journals

1. **Kubicki M**, Zakrzewski K, Goraj B, Polis L. (1997). Uncommon CT appearance of subependymal giant cell astrocytoma in children. *Pol Przegl Radiol* 62: 279-81.
2. **Kubicki M**, Goraj B, Zakrzewski K. (1998). Evaluation of FLAIR for Assessment of Intracranial Tumors in Children. *Pol Przegl Radiol* 63: 96-98.
3. Zakrzewski K., **Kubicki M**., Polis L, Nowoslawska E, Liberski P. (1999). Proton magnetic resonance spectroscopy of primary pediatric brain tumors -neuropathological correlation. *Folia Neuropathol.* 37(3): 148-151
4. **Kubicki M**, Góraj B, Zakrzewski K, Liberski P. (1999): MR Proton Spectroscopy Evaluation of Children's Brain Tumors. *Pol Przegl Radiol* 3: 210-214
5. Wible CG, **Kubicki M,** Yoo SS, Kacher D, Salisbury DF, Anderson MC, Shenton ME, Hirayasu Y, Kikinis R, Jolesz FA, McCarley RW. (2001): A Functional Magnetic Resonance Imaging Study of Auditory Mismatch in Schizophrenia. *Am J Psychiatry* 158:938-43.
6. **Kubicki M**, Westin CF, Maier S, Frumin M, Nestor PG, Salisbury D, Kikinis R, Jolesz FA, McCarley RA, Shenton ME. (2002): Uncinate Fasciculus Findings in Schizophrenia: A Magnetic Resonance Diffusion Tensor Imaging Study. *Am J Psychiatry* 159(5):813-20.
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8. **Kubicki M**, Shenton ME, Salisbury D, David E, Hirayasu Y, Kikinis R, Jolesz FA, McCarley RW. (2002): Voxel-Based Morphometry (VBM) Analysis of Gray Matter in Control and First Episode Schizophrenia Subjects. *NeuroImage* 17(4):1711-9.
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Reviews, Chapters and Editorials:

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