

Harvard Medical School Curriculum Vitae

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Place of Birth: Dublin, Ireland

Education

1981	LRCP & SI, MB, BAO, B.CH.	Royal College of Surgeons, Dublin, Ireland
1994	Program in Clinical Effectiveness	Harvard Medical School, Boston, MA

Postdoctoral Training

1981-1982	Intern	Flexible Internship, Surgery & Medicine	Richmond & St. Laurence Hospitals, Dublin, Ireland
1982-1984	Resident	Internal Medicine Residency	Federated Hospitals, Dublin, Ireland
1984-1988	Resident	Diagnostic Radiology	Loyola University of Chicago, IL
1988-1990	Fellow	Magnetic Resonance Imaging	Johns Hopkins Medical Institutions, Baltimore, MD

Faculty Academic Appointments

1990-1991	Assistant Professor	Radiology	Johns Hopkins University School of Medicine, Baltimore, MD
1991-1997	Assistant Professor	Radiology	Harvard Medical School, Boston, MA
1997-2004	Associate Professor	Radiology	Harvard Medical School, Boston, MA
2004-	Professor	Radiology	Harvard Medical School, Boston, MA

Appointments at Hospitals/Affiliated Institutions

1990-1991	Attending Staff Radiologist	Radiology	Johns Hopkins Hospital
1990-1991	Attending Staff Radiologist	Radiology	Francis Scott Key Medical Center
1991-1997-	Attending Staff Radiologist Clinical Associate in Radiology	Radiology Radiology	Brigham and Women's Hospital Massachusetts General Hospital
2001-2007-	Attending Staff Radiologist Ferenc Jolesz Distinguished Chair	Radiology Radiology Research	Dana Farber Cancer Institute Brigham and Women's Hospital

Major Administrative Leadership Positions

Local

1993-1997	Director, Body MRI		Brigham and Women's Hospital
1996-1999	Director, Radiology Technology Assessment Program		Brigham and Women's Hospital
1997-2006	Director, Clinical MRI		Brigham and Women's Hospital
1999-2003	Program Leader, DF/HCC Cancer Imaging Program		Dana Farber/Harvard Cancer Center
2001-2003	Chair, Partners Radiology Research Committee		Partners Healthcare
2003-2006-	Director, Clinical Focused Ultrasound Program Co-Director of the Imaging Platform of Brigham Research Institute		Brigham and Women's Hospital Brigham and Women's Hospital
2006-2007-	Director of Clinical IGT/NCIGT/AMIGO Program Vice-Chair of Research Department of Radiology		Brigham and Women's Hospital Brigham and Women's Hospital
2008-2011	Co-Director of BWH Imaging Program		Harvard Catalyst/CTSC
2015-	Medical Director of AMIGO, Radiology		Brigham and Women's Hospital

Regional

1988-1991	Co-Director of MRI Educational Program		Johns Hopkins Medical Institution
1990-1991	Chair, Grand Rounds Department of Radiology		Johns Hopkins Medical Institution
1990-1991	Director of MRI Fellowship Program		Johns Hopkins Medical Institution
1990-1991	Chair, Quality Assurance Committee Division of MRI		Johns Hopkins Medical Institution
1990-1991	Associate Director, Division of MRI		Johns Hopkins Medical Institution
1991	Acting Director of MRI		Johns Hopkins Medical Institution

National and International

1990-1991	Chair, Education Committee		Maryland Radiologic Society
2001-2004	Chair, CT/MRI Committee		American College of Radiology Imaging Network (ACRIN)
2015-	Chair, Nominating Committee		International Society of Magnetic Resonance in Medicine (ISMRM)

Committee Service

Local

1992-2003	Residency and Fellowship Selection Committee		Brigham and Women's Hospital
1992-1993	Medical Staff Orientation Committee		Brigham and Women's Hospital
1993-	BWH MRI Safety Committee		Brigham and Women's Hospital
1995-	Technology Assessment Committee		Brigham and Women's Hospital
1997-	Clinical MRI Oversight Committee		Brigham and Women's Hospital
1999-2002	The BWH Mentoring Program Committee		Brigham and Women's Hospital
1999-	The BWH Radiology Research Council		Brigham and Women's Hospital
1999-2003	Partners Radiology Research Committee		Brigham and Women's Hospital
2001	Partners Oncology Service Line Planning		Brigham and Women's Hospital

2001-	Leadership Group Committee on Mentoring-Scholars in Clinical Science Program	Harvard Medical School
2001-	BWH Cancer Center Executive Committee	Brigham and Women's Hospital
2003-	Clinical Research Planning Committee	Brigham and Women's Hospital
2004-	Clinical Investigation Committee	Brigham and Women's Hospital
2005	Partners Radiology Research Council	Brigham and Women's Hospital
2006	Biomedical Research Institute Research Oversight Committee	Brigham and Women's Hospital
2007-2010	Promotions and Re-Appointment Committee	Harvard Medical School
2008-	Chair, Ad Hoc Committee to Search for a Professor of Radiology	Brigham and Women's Hospital
2009-	Participant and Clinical Interaction Resource (PCIR) Committee	Brigham and Women's Hospital
2009-	DF/BWH Cancer Center Radiology Steering Committee	Brigham and Women's Hospital
2009-	Women's Reproductive Health Research Career Development	Brigham and Women's Hospital
2010-11	Chief of Urology Search Committee	Massachusetts General Hospital
2010-11	Search Committee: Professor of Surgery and Chief of the Division of Urology	Brigham and Women's Hospital
2010-	ROC Oversight Committee	Brigham and Women's Hospital
2013-	Precision Medicine Committee	Brigham and Women's Hospital
2013-	Clinical Trials Review Committee	Dana Farber Cancer Institute
2013-	Executive Committee for Clinical Research	Dana Farber Cancer Institute
Regional		
1990-1991	Imaging Fellowship Selection Committee	Johns Hopkins University
1998-2001	Engineering Research Center - Center for Computer Integrated Surgical System and Technology	Johns Hopkins University
National and International		
2001-2004	CT/MRI Committee	American College of Radiology Imaging Network (ACRIN), Member
2001-	Advisory Board, G.E. Medical Systems Body MRI	General Electric Company, Member
2005	External Advisory Board, Image guided Therapy	General Electric Company, Member
2006	External Advisory Board, MR Imaging of Prostate	General Electric Company, Member
2007	Fellowship Selection Committee	Focused Ultrasound Surgery Foundation, Member
2008	Special Advisory Committee for Uterine Fibroids	Focused Ultrasound Surgery Foundation, Member
2011-	Data Safety And Monitoring Committee (DSMC)	ACRIN, Member
2012-	MR PI-RADS Steering Committee	American College of Radiology, Member
2012-	ECOG-ACRIN DSMB	Eastern Cooperative Oncology Group-ACRIN-Data and Safety Monitoring Board, Member
2013-	ASIST-DSMC	Active Surveillance Magnetic Resonance Imaging-Data and

Professional Societies

1985-1991 Radiology Society of North America (RSNA)
Faculty, Introduction to Research Seminar,
AARS/AUR/RSNA

1996-2000 Faculty, Improving Research Environment in
Radiology Departments RSNA Workshop

1999 Scientific-Advisor, Research and Education
Foundation

2010 Member, Vice Chairs of Research
Committee

2014-2017 Member, RSNA Committee on Scientific
Affairs

1988-2003-2005 ISMRM
Member, ISMRM Workshop Committee

2004-2005 Member, Subcommittee on Student Stipends

2005-2008 Member, AMPC-Scientific and Education
Committee

2010-2016 Elected Member, Board of Trustees

2010-2011 Member, Subcommittee on Trainee Stipends

2011-2012 Member, Affiliated Sections- ISMRT
Committee

2012 Session co-Moderator, 20th ISMRM Meeting,
Australia

2012 Chair of the Nominating Committee

2013-2016 Treasurer, Board of Trustees

2014-2016 Treasurer, Affiliated Sections

2014-2016 Treasurer, Executive Committee

2014-2016 Treasurer, Finance Committee

2014-2016 Treasurer, Subcommittee on Financial
Support

2014-2016 Treasurer, Subcommittee on Trainee
Stipends

2014-2016 Treasurer, Workshop and Study Group
Review Committee

1990-1995-2000 Member and Co-author, Professional Self
Evaluation Committee

2001 Member, Panel on Urological Imaging,
Appropriateness Criteria Committee

1991 Member, American Association of Women
Radiologist

1991 Member, Stauffer Award Committee
Association of University of Radiologists

1992 Faculty, New England Roentgen Ray Society

1996 Member, Society for Health Services
Research in Radiology

Grant Review Activities

2003 BRTT Partnership Awards Proposal Review Ohio Biomedical Research
Society for Health Services
Research in Radiology
&Technology Transfer
Commission

2004	NIH Study Section NCI Review	Reviewer NIH Ad Hoc Member
2006	NIH PAR 06-0406 in vivo Cellular and Molecular Imaging Centers Review	NIH Ad Hoc Member
2007-2011	NIH Medi Study Section Review	NIH Charter Member
2008	Harvard Catalyst Pilot Grants Review	Harvard Clinical and Translational Science Center Permanent Member
2009	Wellbeing of Women Research Grant Review	Ontario Institute for Cancer Research Reviewer
2010, 2012	ASIST Review	ASIST Reviewer
2010-	Foundation for Focused Ultrasound Surgery Review	FFUS Reviewer
2013-	NIH Study Section Review	NIH Chair
2014	Canada Foundation for Innovation (Medical Imaging) Review	CFI Reviewer
2015	Department of Defense Review	DOD Reviewer

Editorial Activities

1992-	<i>Radiology</i>
1993	<i>American Journal of Roentgenology</i>
1995-	<i>Radiographics</i>
1996-	<i>Journal of Magnetic Resonance Imaging</i>
1997-	<i>The Lancet</i>
1997	<i>Mosby Yearbook</i>
1997-	<i>Cancer</i>
2000-2001	<i>The Prostate Journal</i>
2000-	<i>Urology</i>
2000-	<i>The Journal of Urology</i>
2001-	<i>Academic Radiology</i>
2002-	<i>Gynecologic Oncology</i>
2003	<i>Journal of the American College of Radiology</i>
2007-	<i>Magnetic Resonance in Medicine</i>
2010	<i>European Urology</i>
2010	<i>British International Journal of Urology</i>
2013	<i>International Journal of Computer Assisted Radiology and Surgery</i>

Other Editorial Roles

1997-2001	Associate Editor	<i>The Prostate Journal</i>
2000-2001	Member of Editorial Board	<i>The Prostate Journal</i>
2001-2003	Consultant to Editor	<i>Radiology</i>
2007	Member of Editorial Board	<i>Journal of Magnetic Resonance Imaging</i>

Honors and Prizes

1975-1981	Honors: Biology, Pathology, Psychiatry, Pediatrics, Anesthetics, Medicine	Royal College of Surgeons, Dublin, Ireland
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1977	Honors with Distinction: Biochemistry	Royal College of Surgeons, Dublin, Ireland
1980	Gold Medal & First Place: Obstetrics and Gynecology	Royal College of Surgeons, Dublin, Ireland
1991	Editor Recognition Award for Distinction: Reviewing	Radiology
1994-1996	Editor Recognition Award for Distinction: Reviewing	Radiology
1994-1996	Research Career Development Award	GE Radiology Research Academic Fellowship (GERRAF)
1995-1996	Special Distinction: Reviewing	Radiology
1995	Editor's Certification of Recognition: Reviewing	RSNA Scientific Exhibit
1995	Certificate of Merit: <i>Cum Laude</i> for RSNA Exhibit	RSNA Scientific Exhibit
1997	First Prize: <i>Right Ventricular Dysplasia: Evaluation of MRI Imaging Criteria</i> . Co-Authors: VL Ward, GT Sica, CM Tempany, KE Ellison, DF Adams	National Medical Association Section on Radiology
2001	Outstanding Student Paper Award to Andrew Tsai - <i>Model-based Curve Evolution Techniques for Image Segmentation</i> . Co-Authors: A Yezzi, WM Wells, CM Tempany, D Tucker, A Fan, E Grimson, A Willsky	IEEE Computer Society
2006	Edward M. Kennedy Award: Healthcare Innovation	CIMIT Image Guided Therapy Team
2010	Judah Folkman Prize: Clinical/Translational Science Research Award to Mentee -Shantanu Gaur - <i>Drug-eluting bead hepatic arterial chemoembolization in the treatment of carcinoid metastases to the liver</i> . Co-Authors: S Gaur, J Friese, CM Tempany, RA Baum	Harvard Medical School
2011	Partners in Excellence Award: Advanced Multimodality Image Guided Operating (AMIGO) Room - Team Leaders: Clare Tempany, MD, and Ferenc A Jolesz, MD	Brigham and Women's Hospital
2012	Partners in Excellence Award: MRI Research Center Upgrade Team Member	Brigham and Women's Hospital
2013	Senior Fellow	International Society for Magnetic Resonance in Medicine (ISMRM)
2013	Distinguished Investigator Award	Academy of Radiology Research

Report of Funded and Unfunded Projects

Funding Information

Past

1988-1991	NIH/NCI: Radiology Diagnostic Oncology Group 2 National Diagnostic Imaging Trials - "CT/MRI of colorectal and pancreatic cancer" Co-Investigator
1989	ICNMR: Johns Hopkins Medical Institutions "Evaluation of the role of <i>in vivo</i> P 31 spectroscopy in detecting intracellular pH and relative amounts of phosphorus-containing compounds in renal allografts as possible markers for allograft rejection" PI Tempany

1989-1991 Dept. of Radiology Seed Grant: Johns Hopkins Medical Institutions
 “Role of MRI in evaluating BPH in an animal model”
 PI Tempany

1989-1991 MERCK Research Laboratories MK 906#024-01
 “The influence of Finasteride on the volume of the peripheral zones of the prostate in men with benign prostatic hyperplasia”
 Co-Investigator

1989-1991 NIH/NCI: RDOG I
 “National Diagnostic Imaging Trial-MRI evaluation of body and endorectal coil in staging of prostate carcinoma”
 PI Tempany

1991-1995 AHCPH (PI McNeil, BJ)
 “Enhanced accuracy of MRI for staging prostate cancer”
 Co-Investigator

1992-1996 NIH/NCI: RDOG4 (National PI Kurtz, A)
 National Diagnostic Imaging Trial – “Ovarian Cancer”
 Site PI Tempany

1994-1996 GE-AUR (GERRAF)
 Research Career Development Award
 PI Tempany

1996-1998 Advanced Magnetics, Inc.
 “Phase III study of *Combidex*, as a magnetic resonance imaging agent for the evaluation of lymph node disease”
 Co-Investigator

1997-2001 Schering Plough Medical Research
 “Prognostic significance of endorectal MRI in predicting outcome after combined radiation and androgen suppression for prostate cancer: A prospective CALBG Phase II study”
 PI Tempany

1998-1999 Epix Medical
 “Phase II trial of breast MR contrast agent (MS 325)”
 Co-Investigator

1998- 2001 Schering Plough Medical Research
 “Computed volumetrics of the prostate gland and tumors: CALBG Phase II study”
 PI Tempany

2000-2005 NIH/NCI 2P30 CA06516-37 (PI Nathan D)
 Cancer Center Support Grant for the Cancer Imaging Program of the DF/HCC
 Program Leader

2000-2005 NIH T32 CA09536
 “Research training in imaging methods for cancer”
 Co-Investigator

2001-2002 Boston Scientific
 “Myomectomy vs. UAE trial. MRI evaluation of uterine leiomyomas”

Co-Investigator

2001- 2003 Whitaker Foundation Award
 “Robot-assisted needle guidance system for MRI-guided prostate cancer”
 Co-Investigator

2001-2004 InSightec
 “MR-guided FUS of breast fibroadenomas”
 PI Tempany

2001-2004 NIH/AG RO1 AG19513
 “MR guided prostate cancer diagnosis and brachytherapy”
 PI Tempany

2001-2004 Novartis Pharmaceuticals
 “Open-label pilot study of ST1571 prior to radical prostatectomy inpatient with newly diagnosed prostate cancer”
 Co-Investigator

2000-2006 InSightec Inc.
 Clinical Trial - “MR-guided FUS of uterine leiomyomas”
 PI Tempany

2003-2007 NIH RO1 CA104976 NCI (PI Davazikos)
 “Target prostate biopsy using mathematical optimization”
 Co-Investigator

2005-2008 NIH M01 RR02635
 Brigham & Women’s Hospital General Clinical Research Center (GCRC)
 Imaging Core Co-Leader

2005-2010 NIH 2R01 CA111288
 “Enabling technologies for MR guided prostate interventions”
 PI Tempany
 Bioengineering Research Partnership

2009-2011 AdMeTech/DOD, DAMD17-03-2-055
 “Molecular Imaging of Prostate Cancer Research”
 Site PI Tempany

2008-2012 NIH/NCRR: UL1 RR025758-01, PI Lee Nadler
 Harvard Clinical and Translational Science Center
 Harvard Catalyst - Translational Imaging Consortium
 Site Consultant

2009-2012 NIH R01 CA109246-01
 “MR Guided Focused Ultrasound Surgery for Prostate Cancer”
 PI Tempany

2007-2013 NIH P01 CA067165, PI Ferenc A. Jolesz
 “MR Guided Therapy” (PI Jolesz) NCE
 Project Leader-Tempany

Current

2010-2020 NIH P41 EB015898

National Center for Image Guided Therapy (NCIGT)
PI Tempany
NCRR/NIBIB Director and Prostate Core Leader “Image Guided Therapy Center”

- 2011-2016 NIH R01 CA111288
“Enabling technologies for MR guided prostate interventions”
PI Tempany
Bioengineering Research Partnership
- 2012-2017 NIH R01 CA160902
“Advancement and Validation of Prostate Diffusion and Spectroscopic MRI”
Co-Investigator
- 2014-2016 DPH 403516, Clinical Trial
“Multi-parametric (mp) MRI and PI-RADS Standardization for Improved Diagnosis of Prostate Cancer”
PI Tempany

Report of Local Teaching and Training

Teaching of Students in Courses

- 1994 MRI of the Female Pelvis/Grand Rounds
Boston University Medical Campus
- 1994 MRI of the Female Pelvis/Women’s Health Symposium
Mt. Auburn Hospital
- 1994 MRI of Prostate Cancer/Grand Rounds
Dana Farber Cancer Institute
- 1994 MRI of Prostate Cancer/Grand Rounds
Deaconess Hospital
- 1994 MRI of Prostate Cancer/Grand Rounds
Norwood Hospital
- 1995 MRI of the Female Pelvis
New England Roentgen Ray Society
- 1996 GU Oncology Grand Rounds
Dana Farber Cancer Institute
- 1996 MRI of GYN Malignancy
Boston University
- 1996 MRI of the Female Pelvis/Grand Rounds
Massachusetts General Hospital
- 1997 Prostate MRI
Mt Auburn Hospital
- 1997 Prostate MRI
Tumor Board, HCHP
- 1998 MRI of the Pelvis
Boston University
- 1998 Prostate MRI
Western Urological Society Fall Meeting
- 1999 MRI of the Pelvis/Grand Rounds
Mt Auburn Hospital

- 2001 Women's Imaging: MRI & MR Guided Interventions
New England Roentgen Ray Society
- 2003 Female Pelvis
Beth Israel Deaconess Medical Center
- 2004 MR-Guided Focused Ultrasound of Uterine Fibroid
Yale University
- 2005 Translational Research in Image-guided Therapy
New York University Hospital
- 2006 MR-Guided Focused Ultrasound Surgery MR Imaging and MR-Guided Interventions in
Prostate Cancer
Rhode Island Hospital
- 2008 Abdominal/Pelvis, Imaging Biophysics and Clinical Applications
HST.563, MIT
- 2009 Making the Transition and Staffing Your Program/Moving to the Top: Establishing Your
Research Program
Biomedical Research Institute, BWH
- 2010 MR-guided HIFU in Abdominal/Pelvic Disease/Abdominal Imaging Section Lecture
Beth Israel Deaconess Medical Center
- 2010 Abdominal/Pelvis, Imaging Biophysics and Clinical Applications
HST.563, MIT
- 2011 MRI Prostate
New England Roentgen Ray Society
- 2012 MRI Prostate
Massachusetts Prostate Cancer Coalition Annual Meeting
- 2016 Imaging Innovations for Pediatric Epilepsy
RCC-Harvard Medical Imaging Open House

Clinical Supervisory and Training Responsibilities

I am an active member of the Abdominal Imaging Group with a primary focus in body MRI. In 1991, I established the Prostate MRI service. In 1993, I became the director of body MRI. Then from 1997 to 2006, I was the director of clinical MRI. I established new programs in prostate, female pelvic and obstetrical MRI. I trained staff, fellows, and MR technologists to support this clinical program. We now have one of the largest clinical prostate and pelvic MR programs in the country with over 300 exams performed a year.

MR-guided prostate interventions. I established the first U.S. MR-(in-bore) guided prostate biopsy program and have performed over 150 biopsies to date. In 2010, we re-established this clinical program in the 3T verio magnet. In 2013, we performed the first MR guided cryotherapy for localized prostate cancer. I also direct the program in clinical MR-guided Focused Ultrasound Surgery (FUS). We treat women with uterine fibroids, prostate cancer and patients with bone metastases. This program was the first clinical FUS program in the U.S. Today, it collaborates with over 10 other programs in the U.S.

Laboratory and Other Research Supervisory and Training Responsibilities

2001-present **Supervisor/Leader of Prostate Research Group**

Members

Robert Cormack, PhD	BWH
Steven Haker, PhD	BWH
Robert Mulkern, PhD	BWH/TCH
William (Sandy) Wells, PhD	BWH
Kelly Zou, PhD	BWH
Stephan Maier, PhD	BWH
Medhi Moradi, PhD	Visiting Scientist UBC
Ian Chan, PhD	MIT
Anthony D'Amico, MD	BWH
Agnieszka Szot, MD	BWH
Minna So, MD	BWH
Mark Hurwitz, MD	BWH
Nathan McDannold, PhD	BWH
Junichi Tokuda, PhD	BWH
Robert Caughey, BS	BWH
Joseph Roebuck, MD, PhD	BWH
Sarah Strauss	BWH
Jalil Anfan, MD	BWH
Fiona Fennessy, MD	BWH
Yi Tang, MD	BWH
Sota Oguro, MD	BWH
Nobuhiko Hata, PhD	BWH
Andriy Fedorov, PhD	BWH
Sang Eun (Sam) Song	BWH
Felipe Franco	Brazil
Lawrence Patrick Panych, PhD	BWH
Tobias Penzkofer, MD	DK
Fernando Yamauchi, MD	Brazil
Louise Greenberg, MEd, Clinical Trials Coordinator	BWH
Thiele Kobus, MSc	Visiting Research Fellow
Ruth Dunne, MD	BWH
Daniel Glazer, MD	BWH
Parvin Mousavi, PhD	Visiting Research Scholar

Faculty Advisor and Mentor - 16 research faculty members

Formally Supervised Trainees

Medical Students

1989	Karl Wolff	John Hopkins University
1990	Fred Masoudi	John Hopkins University
2000-2004	Aditya Bharatha	University of Toronto
2000-2004	Andrew Tsai	Harvard Medical School
2009	Shantanu Gaur	Harvard Medical School
2011-2014	John V. Hegde	Harvard Medical School
2012-2014	John Phillips	Harvard Medical School
2015	Peter Behringer	University of Lübeck, Germany
2015	Erik Velez	University of California, San Francisco

Radiology Clinical Research Fellows/JHU

1990	Alex Chacko	John Hopkins University
1990	Phyllis Frostenson	John Hopkins University
1990	Joseph Paravanno	John Hopkins University
1990	Christian Herold	John Hopkins University
1990	Maria Cova	John Hopkins University
1990	Akira Kawashima	John Hopkins University
1990	Alain Rahmouni	John Hopkins University
1990	Claudo Ricci	John Hopkins University

Urology Fellows/JHU

1989	Ronald Morton	John Hopkins University
1989	Alan Burnett	John Hopkins University
1989	Alan Partin	John Hopkins University

OB/GYN Fellows/JHU

1990	Joseph Wax	John Hopkins University Professor of OB/GYN, University of Vermont College of Medicine, VT
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Radiology Residents/Fellows – BWH/Current Positions

1992	Lawrence Schwartz	Chair, Dept. Radiology Columbia, NYC
1993	Julia Fielding	Associate Professor, Director of Abdominal Imaging, University of NC Medical School, NC
1994	Oliver Pomeroy	Staff Radiologist, BWH

1994	Ariane Neish	Resident, BWH
1995	Richard Tello	Deceased
1995	Vivek David	Staff Radiologist Maryland Open MRI, MD
1996	Susan Teeger	Attending Radiologist New York Presbyterian, NY
1997	Lawrence Steinbach	Staff Radiologist Sturdy Memorial Hospital, MA
1998	Mark Pugach	Director Next Generation Radiology, NY
1999	Jeffery McTavish	Staff Radiologist Beach General Hospital, VA
2000	David Cheng	Staff Radiologist Advanced Radiology, RI
2001	Vikas Kundra	Director of Molecular Imaging MD Anderson Cancer Center, Houston, TX
2001	Maricella Contreras	U.S. Naval Hospital
2002	Mark Fruitman	Staff Radiologist St. Joseph's Hospital, Toronto, Canada
2003	Fiona Fennessy	Staff Radiologist DFCI/BWH, MA
2003-2004	Syed Akbar	Staff, Abdominal Imaging Rush-Copley Medical Center, IL
2003-2004	Ramit Lamba	Staff, Abdominal Imaging UC Davis Medical Center, CA
2003-2004	Nihkil Ramaiya	Clinical Director, MRI, Abdominal Imaging Dana Farber Cancer Institute, MA
2003-2004	Servet Tatli	Staff & Fellowship Program Director, Abdominal Imaging, BWH
2003-2004	Idelisa Torres-Berastain	Staff, Abdominal Imaging Florida Hospital, FL
2004	Noushin Vahdat	Associate Staff, Diagnostic Radiology Cleveland Clinic, OH
2004-2005	Carina Briggs	Staff Radiologist University of Kentucky Medical Center, KY
2004-2005	Victoria Clague	Staff, Abdominal Imaging Kaiser Permanente Medical Center, CA
2004-2005	Rashmi Nair	Staff, Abdominal Imaging Cleveland Clinic Foundation, OH
2004-2005	Desencia Thomas	Staff Radiologist Medical Center Radiologists, Inc., VA

2004-2006	Rahul Gupta	Staff Radiologist Emory Radiology Clinic, GA
2004-2007	Raquel Olivia	Staff Radiologist, Abdominal Imaging Brigham and Women's Hospital, MA
2005-2006	Munazza Anis	Staff Radiologist Medical University of South Carolina, SC
2005-2006	Jeffery Girshman	Staff Radiologist Manhattan Diagnostic Radiology, NY
2005-2006	Vincent Pelsser	Staff Radiologist Jewish General Hospital, Montreal, Canada
2006-2007	Chris Sidden	Staff Radiologist Boone Hospital, MO
2006-2007	Frederico Souza	Oncology Fellow, Thoracic Radiology DFCI/BWH, MA
2006-2007	Wendy Landman	Staff Radiologist, BWH
2006-2007	Sejal Sah	Staff Radiologist, Emergency Radiology Beth Israel Deaconess Medical Center, MA
2007-2008	Lindsay Pearce	Staff Radiologist Beverly Radiology Associates, MA
2007-2008	Girish Raghunathan	Consultant Radiologist, BWH
2007-2008	Tatiana Rocha	Fellow, Musculoskeletal Radiologist, BWH
2007-2008	Vikram Sahni	Staff, Abdominal Imaging and Intervention, BWH
2007-2008	Shane Wheeler	Staff, Abdominal Imaging Radiology Imaging Associates, CO
2007-2008	Atif Zaheer	Staff, Abdominal Imaging and Intervention John Hopkins Hospital, MD
2008-2009	Alicia Arnold	Private Practice, WI
2008-2009	Michael Baldwin	Pediatric Radiology Fellow Children's Hospital, MA
2008-2009	Raul Galvez Trevino	Radiology Fellow Children's Hospital, MA
2008-2009	Angela Tai	Abdominal Imaging Fellow Mallinckrodt Institute
2008-2009	Pieter Baeyens	Fellow, Musculoskeletal Radiology Brigham and Women's Hospital
2008-2009	Errol Colak	Staff, Abdominal Imaging St. Michael's Hospital, Toronto, Canada
2008-2009	Fadi Habbab	Staff, Abdominal Imaging Mary's Hospital & McGill University, Montreal, Canada
2008-2009	Tereza Poghosyan	Staff, Thoraco-Abdominal Division

		University of Virginia, Charlottesville, VA
2008-2009	Margarita Revzin	Staff, Divisions of Ultrasound & Community Radiology, Brigham and Women's Hospital
2008-2009	Nisha Sainani	Faculty Abdominal Imaging and Intervention, BWH
2010-2011	Dellano Fernandes	Fellow, Abdominal Imaging, BWH
2010-2011	Michael Hutchinson	Fellow, Abdominal Imaging, BWH
2010-2011	Sunny Jaiswal	Fellow, Abdominal Imaging, BWH
2010-2011	Albert Parlade	Fellow, Abdominal Imaging, BWH
2010-2011	Atul Shinagare	Fellow, Abdominal Imaging, BWH
2010-2011	Elliot Wasser	Fellow, Abdominal Imaging, BWH
2012-present	Ruth Dunne	Fellow, Abdominal Imaging, BWH
2012-2013	Loraine Wu	Fellow, Abdominal Imaging, BWH
2012-2013	Ayaz Aghayev	Fellow, Abdominal Imaging, BWH
2012-2013	Vinit Khanna	Fellow, Abdominal Imaging, BWH
2012-2013	Ryan Muller	Fellow, Abdominal Imaging, BWH
2012-2013	Karl Sayegh	Fellow, Abdominal Imaging, BWH
2012-2013	Santosh Selvarajan	Fellow, Abdominal Imaging, BWH
2013-	Mark Robbins	Fellow, Abdominal Imaging, BWH
2013-	Jeremy Duda	Fellow, Abdominal Imaging, BWH
2013-	Edward Harter	Fellow, Abdominal Imaging, BWH
2013-	Gevork Mnatzakanian	Fellow, Abdominal Imaging, BWH
2013-	Jonathan Scalera	Fellow, Abdominal Imaging, BWH
2013-	Karen Shoebbotham	Fellow, Abdominal Imaging, BWH
2013-	Sophie Tremblay-Paquet	Fellow, Abdominal Imaging, BWH
2014-2015	Daniel Glazer, MD	Fellow, Abdominal Imaging, BWH
		Surgical Planning Laboratory/Grant-funded Students, Research Fellows
1999	Husain Dumali, MD	Staff Radiologist, Turkey
1999	Andreas Schreyer, MD	Staff Radiologist, Germany
1999	Masa Jinzaki, MD	Staff Radiologist, Japan
2000	Masanori Hirose, MD	Staff Radiologist, Japan

2000	Adyitha Bharatha	Medical Student, Canada
2001	Jianqing Zhang, MD	Research Fellow, China
2001	Ian Chan	Masters Student, MIT, Massachusetts, USA
2002	Agnieszka Szot, MD	Research Fellow, Poland
2005	Philip Blumenfeld	Medical Student, New York, USA
2006	Patrick Wong	Medical Student, Canada
2008	Shu-Hue Shen, MD	Research Fellow, Taiwan
2009-10	Ronit Machinger	OB/GYN Attending, Israel
2010	Felipe Boschini Franco	Medical Student, Brazil
2012-13	Tobias Penzkofer	Radiologist, Germany
2014-	Elmira Hassandezah, MD	Research Fellow, Iran
2015-	Lisanne Kok	Research Fellow, Netherlands

Image Guided Therapy Training Grant Fellows

2002	Vasu Brown, MD	Fellow in IGT and Web Media
2002	Michele Albert, MD	Fellow in IGT and Radiation Oncology
2003	Minna So, MD	R25 Fellow in IGT
2004	Agnieszka Szot, MD	R25 Fellow in IGT
2004	Alexandra Stewart, MD	R25 Fellow in IGT/Radiation Oncology
2005-2007	Alisa Suzuki, MD	R25 Fellow in IGT
2005-2007	Joseph Roebuck, MD	R25 Fellow in IGT
2006-2007	Richard Gessman	R25 Fellow in IGT
2006-2008	Jeremy Friese	R25 Fellow in IGT
2007-2009	Jalil Afnan, MD	Fellow in IGT
2008-	Sota Oguro, MD	Fellow in IGT
2008-2009	Balasz Lengyel	R25 Fellow in IGT
2008-2010	Caleb Farny	R25 Fellow in IGT
2008-2009	Phillip Jason White, PhD	R25 Fellow in IGT
2009-2010	Rivka Colen, MD	R25 Fellow in IGT
2009-2010	Giovanna Danagoulian	R25 Fellow in IGT
2009-2010	Laura O'Donnell, PhD	R25 Fellow in IGT
2010-2011	Scott Hoge, PhD	R25 Fellow in IGT
2013-2015	Pelin Ciris, PhD	R25 Fellow in IGT
2015-2016	Melissa Mallory, MD	R25 Fellow in IGT
2015-2016	Daniel Glazer, MD	R25 Fellow in IGT

Research Doctoral Students

1998-2006	Andrew Tsai, PhD	Massachusetts Institute of Technology
2001-2003	Ian Chan, PhD	Massachusetts Institute of Technology
1999-2002	Elizabeth Kim	Massachusetts Institute of Technology

2011-2013 Hao Su Worcester Polytechnic Institute
(Now at Phillips Healthcare, White Plains NJ)

Post Doctoral Fellows

1999 Nobuhiko Hata, PhD Brigham and Women's Hospital
2000 Steven Haker, PhD Brigham and Women's Hospital
2000 Robert Cormack, PhD Brigham and Women's Hospital
2007 Junichi Tokuda, PhD Brigham and Women's Hospital
2008 Haytham Elhawary, PhD Brigham and Women's Hospital

Faculty

1997 Mitchell Rein, OB/GYN Attending Staff, BWH
1998 Julian Robinson, OB/GYN Attending Staff, Columbia, NYC
1999 Lore Sherlitz, OB/GYN Attending Staff, Melbourne, Australia
2000 Sara Durfee, Radiology Attending Staff, BWH
2001 Ramin Khorasani, Radiology Attending Staff, BWH
2003 Steven Haker, PhD Research Faculty, BWH
2002 Fiona Fennessy, MD, PhD Radiology Attending Staff, DFCI/BWH
2011 Misuki Nishino, MD Radiology Attending Staff, DFCI
2012 Ritu Gill, MD Radiology Attending Staff, BWH

Formal Teaching of Peers (e.g., CME and other continuing education courses)

1988-1992 MRI of Male Pelvis & MRI of Female Pelvis
Principles and Practice of MRI Course, Johns Hopkins University
1992 MRI of Male Pelvis & MRI of Female Pelvis
MRI/CT Update Postgraduate Course, BWH/HMS
1993-1995 MR Prostate
MRI/CT Update Postgraduate Course, BWH/HMS
1994-1997 Pelvic MRI
Women's Diagnostic Imaging Course, Brigham and Women's Hospital
1995 MRI of the Abdomen; MRI of Male Pelvis/MRI of the Female Pelvis; MRI of the Breast
MRI Clinical Update & Advanced Applications Course, Harvard Medical School
1996 MRI of the Infertile Patient; Update on Breast MRI; MRI of Pelvic Neoplasm's in Female
Patient
MRI Clinical Update & Advanced Applications Course, Harvard Medical School
1996-1998 MRI of the Prostate
Urologic Cancer Course, Harvard Medical School
1996 MRI of the Female Pelvis; MRI of the Prostate
MRI/CT Update Postgraduate Course, BWH/HMS
1997-1998 MRI of Prostate; MRI of Female Pelvis; Malignant & Benign
MRI/CT Update Postgraduate Course, BWH/HMS
1998 MRI of the Female Pelvis; MRI of the Breast

MRI Clinical Update & Advanced Applications Course, Harvard Medical School
 1999 MRI of the Female Pelvis; MRI of the Male Pelvis; MRI of the Liver and Adrenals
 MRI Clinical Update & Advanced Applications Course, Harvard Medical School
 1999-2000 MRI of the Female Pelvis; MRI of the Prostate
 MRI/CT Update Postgraduate Course, BWH/HMS
 2000 MRI of the Female Pelvis; MRI of the Breast
 MRI Clinical Update & Advanced Applications Course, Harvard Medical School
 2001-2006 Pelvic CT/MRI
 Radiology Review, BWH/MGH
 2001-2002 MRI in Obstetrics
 Ultrasound/Women's Imaging, Brigham and Women's Hospital
 2001 MR Imaging & Guided Interventions in the Prostate; MR of Malignant Disease of Female
 Pelvis, MRI/CT Update Postgraduate Course, BWH/HMS
 2002-2003 Annual Symposium on Prostate Cancer, Brigham and Women's Hospital
 2002 MR Female Pelvis; MR Prostate; MR of Renal and Adrenal
 MRI Clinical Update & Advanced Applications Course, Harvard Medical School
 2002 Prostate Cancer; MRI for Biopsy and Staging
 Urologic Cancer Course, Harvard Medical School
 2002 MRI of the Male Pelvis
 MRI/CT Update Postgraduate Course, BWH/HMS
 2002 MRI of Cervical Cancer
 SAWI Symposium, Boston MA
 2003 MRI of the Female Pelvis; Prostate MRI
 MR Guided Interventions in the Pelvis
 MRI Clinical Update & Advanced Applications Course, Harvard Medical School
 2003 Female Pelvis
 Beth Israel Deaconess Medical Center
 2003-2005 Prostate MR
 MRI/CT Update Postgraduate Course, BWH/HMS
 2004 MRI of the Female Pelvis; Benign Diseases & MR of the Male Pelvis
 MR-guided Interventions in the Pelvis
 MRI Clinical Update & Advanced Applications Course, Harvard Medical School
 2004 Benign Diseases of the Uterus; Cancer Staging of Gynecologic Disease; Focused
 Ultrasound and Fibroid Treatment; MRI of Pregnancy
 Practical Applications of Imaging Techniques, Harvard Medical School
 2004-2008 MRI for Biopsy and Staging
 Urologic Cancer Course, Harvard Medical School
 2005 Prostate Imaging; Female Pelvis & Ovary
 MRI Clinical Update & Advanced Applications Course, Harvard Medical School
 2005-2007 MR Sequences: Pelvis; Male Pelvis; Case Review: Pelvis Practical MR Imaging of the
 Abdomen and Pelvis, Harvard Medical School
 2006 MRI of the Abdomen; MRI of Male Pelvis/MRI of the Female Pelvis; MRI of the Breast
 MRI Clinical Update & Advanced Applications Course, Harvard Medical School
 2007 MRI of the Abdomen; MRI of Male Pelvis/MRI of the Female Pelvis; MRI of the Breast

MRI Clinical Update & Advanced Applications Course, Harvard Medical School

2008-2009 MRI of the Prostate Gland
MRI/CT Update Postgraduate Course, BWH/HMS

2009 MR of Female Pelvis-Benign Disease; MRI of the Female Pelvis-Malignant Disease;
Prostate MR Role in Detection/Surveillance and Treatment; Image Guided Therapy:
Emphasis on MR Guided Focused Ultrasound; MRI Clinical Update & Advanced
Applications Course, Harvard Medical School

2009 Prostate; MR Sequences: Pelvis
Practical MR Imaging of the Abdomen and Pelvis, Harvard Medical School

2010 MR of Female Pelvis-Benign Disease; MRI of the Female Pelvis-Malignant Disease;
MR-guided Interventions in the Pelvis; MRI for Diagnosis & Staging of Prostate Cancer
MRI Clinical Update & Advanced Applications Course, Harvard Medical School

2010 MR Sequence Pelvis
Practical MR Imaging of the Abdomen and Pelvis, Harvard Medical School

2010 MRI for Biopsy and Staging
15th Biennial Urologic Cancer Course, Harvard Medical School

2011 MR Sequence: Pelvis; Female Pelvis: Malignant Diseases
Practical MR Imaging of the Abdomen and Pelvis Postgraduate Course, BWH/HMS

2011 Overview of Clinical Imaging Modalities
CTSA Biomarkers and Imaging in Drug Development Course, Harvard Medical School

2012 Advances in Multiparametric MRI for Diagnosis and Staging/Panel Discussion
16th Biennial Urologic Cancer Course, Harvard Medical School

2012 MR Sequence: Pelvis; Female Pelvis: Malignant Diseases
Practical MR Imaging of the Abdomen and Pelvis Postgraduate Course, BWH/HMS
MR/CT Update

2012 GYN Lecture – Radiologic Ablation of Fibroids
Seminar Series, Division of Reproductive Endocrinology and Infertility, Brigham and
Women’s Hospital

2013 Imaging in Clinical Translational Cancer Research
Harvard Catalyst Imaging Program

2014 MR Fibroids
Abdominal Imaging and Intervention, Brigham and Women’s Hospital

2014 Advances in Multiparametric MRI for Diagnosis and Staging and Panel Discussion
17th Biennial Urologic Cancer Course, Harvard Medical School

2014 MRI of the Prostate
MRI/CT Update Course - Brigham and Women’s Hospital
Fairmont Copley Plaza Hotel, Boston

2016 Advances in Multiparametric MRI for Diagnosis and Staging and Panel Discussion
18th Biennial Urologic Cancer Course, Harvard Medical School

Local Invited Presentations

1994 MRI of the Female Pelvis/Grand Rounds

Boston University Medical Campus

- 1994 MRI of the Female Pelvis/Women's Health Symposium
Mt. Auburn Hospital
- 1994 MRI of Prostate Cancer/Grand Rounds
Dana Farber Cancer Institute
- 1994 MRI of Prostate Cancer/Grand Rounds
Deaconess Hospital
- 1994 MRI of Prostate Cancer/Grand Rounds
Norwood Hospital
- 1995 MRI of the Female Pelvis
New England Roentgen Ray Society
- 1996 GU Oncology Grand Rounds
Dana Farber Cancer Institute
- 1996 MRI of GYN Malignancy
Boston University
- 1996 MRI of the Female Pelvis/Grand Rounds
Massachusetts General Hospital
- 1997 Prostate MRI
Mt Auburn Hospital
- 1997 Prostate MRI
Tumor Board, HCHP
- 1998 MRI of the Pelvis
Boston University
- 1998 Prostate MRI
Western Urological Society Fall Meeting
- 1999 MRI of the Pelvis/Grand Rounds
Mt. Auburn Hospital
- 2001 Women's Imaging: MRI & MR Guided Interventions
New England Roentgen Ray Society
- 2004 MR-Guided Focused Ultrasound of Uterine Fibroid
Yale University
- 2005 Translational Research in Image-guided Therapy
New York University Hospital
- 2006 MR-Guided Focused Ultrasound Surgery MR Imaging and MR-Guided Interventions in
Prostate Cancer
Rhode Island Hospital
- 2009 Making the Transition and Staffing Your Program/Moving to the Top: Establishing Your
Research Program
Biomedical Research Institute, BWH
- 2010 MR-guided HIFU in Abdominal/Pelvic Disease/Abdominal Imaging Section Lecture
Beth Israel Medical Center
- 2011 MRI Prostate
New England Roentgen Ray Society

- 2011 Prostate imaging "where is our Manogram"
3rd Annual Prostate Cancer Awareness Day at the Massachusetts State House
- 2012 Prostate imaging "where is our Manogram"
Massachusetts Prostate Cancer Coalition Annual Meeting
15th Annual Massachusetts Prostate Cancer Symposium
- 2014 Prostate MRI
Radiology Grand Rounds, South Shore Hospital
- 2015 Imaging in Era of Targeted Therapy
Methods in Clinical Research Course
Dana Farber Cancer Institute, Boston, MA
- 2015 Prostate MRI and image guided interventions
Spring Oncology Symposium, Saint Anne's Hospital
Dartmouth, MA
- 2015 Multi-parametric MRI -PIRADS Classification
BWH, MGH-Urologic Oncology Conference
- 2015 Prostate MR Update Including New PIRADS
DFCI-Seminar of Genitourinary Oncology
Dana Farber Cancer Institute, Boston, MA
- 2016 Prostate Imaging and PI-RADS
BWH/MGH Radiology Update Postgraduate Course
Boston Marriott Long Wharf, Boston, MA

Report of Regional, National and International Invited Teaching and Presentations

Invited Presentations and Courses

Regional

- 1995 MRI of Gynecological Malignancies
Women's Imaging Symposium, Norwalk Hospital, Norwalk, CT
- 1996 MRI of the Female Pelvis/Grand Rounds
Albany Medical Center, Albany, NY
- 2008 Image Guided Intervention: Where Can the Future Lead?
18th Annual Robin C. Watson Lecture, Memorial Sloan-Kettering Cancer Center, New York, NY
- 2008 Overview of the Recent Advances and Future Vision for Image-Guided Diagnosis and Treatment of Cancer/Faculty Research Talk/Grand Rounds
Children's Hospital, Boston, MA
- 2008 Prostate Imaging and Intervention Update, Genitourinary Oncology Seminar Series
Dana-Farber Cancer Institute, Boston, MA
- 2008 Glimpse at future imaging technologies and their role in surgery
CIMIT –ORF and Beyond Team, Boston, MA
- 2012 NIH-NCBC Showcase Meeting, Testimonial Speaker
National Institutes of Health, Bethesda, MD

- 2013 Image-guided Therapy
Harvard Catalyst – Advanced Imaging: Imaging in Clinical/Translational Cancer Research
Sheraton Commander Hotel, Cambridge, MA
- 2013 Visualization for Surgical Applications
Boston Scientific, Marlborough, MA
- 2013 Canon-BWH Collaboration, 3rd Governance Board Meeting
Healthcare Optics Research Laboratory, Cambridge, MA
- 2013 Interventionalist Perspective
Physical Principles of Human Cancer Imaging Workshop
Martinos Center for Biomedical Imaging, Cambridge, MA
- 2014 Latest Developments in Generating the Imaging Phenotype
Session Theme: Imaging, Session Title: A picture is worth a thousand words.
BWH Research Day, Boston, MA
- 2015 MRI of the Prostate
Body MRI, NERRS Annual Refresher Course
Mass. Medical Society, Waltham, MA
- National**
- 1991 Clinical MRI/Grand Rounds
Loyola University Medical Center, Chicago, IL
- 1995 MRI of the Abdomen, Male Pelvis, Female Pelvis & Breast/MRI Course
University of Pennsylvania, Philadelphia, PA
- 1996 Radiology/Obstetric & Gynecology Grand Rounds
Memorial Hospital, Hollywood, FL
- 2000 MRI Prostate & MRI Female Pelvis/MRI Course
University of CA at San Francisco, San Francisco, CA
- 2000 MRI of the Female Pelvis, MRI of the Male Pelvis, & MRI of Malignant Disease of the Pelvis MRI Course
MUSC Savannah, Savannah, GA
- 2002 Prostate MRI/*Leon Love Lecture*
Loyola University of Chicago, Maywood, IL
- 2002 Pelvic MRI and Image Guided Interventions/*Earl Miller Lecture*
University of CA at San Francisco, San Francisco, CA
- 2002 Uterine Fibroid/MRI-Guided Focused Ultrasound Workshop
International Society of Magnetic Resonance in Medicine
- 2003 MRI of Adrenals, MR-Guided FUS of Fibroids, MRI Prostate
Texas Radiological Society
- 2004 Advances in Prostate Cancer Imaging: Diagnosis, Staging and Monitoring
American Association for Cancer Research, Bonita Springs, FL
- 2004 Benign Diseases of the Uterus, Cancer Staging of Gynecologic Disease, Focused Ultrasound and Fibroid Treatment
Practical Applications of Imaging Techniques, Scottsdale, AZ
- 2004 Transforming Investigator Ideas into Medical Practice Case Studies

CIMIT

- 2005 MRI of Malignant Disease of the Female Pelvis, MRI of Leiomyomas and MRg Focused Ultrasound Surgery of Leiomyomas, MRI of Pelvic Image Guided Intervention, MRI of the Female Pelvis, MRI of the Prostate: Diagnosis, Staging and Treatment of Prostate Cancer
Hospital of the University of Pennsylvania, PA
- 2006 MRI of Prostate Cancer: Diagnosis, Staging and Treatment
ISMRM 2006, Seattle, WA
- 2006 MR Guided Interventions in the Pelvis/Grand Rounds, Warrens Lecture
University of Maryland, Baltimore, MD
- 2007 Symposium on MR-guided High Intensity Focused Ultrasound
Stanford University, Stanford, CA
- 2007 Association of University Radiologists
Denver, CO
- 2007 Annual Imaging Symposium, St. Jude's Medical
Memphis, TN
- 2008 MRI-guided Focused Ultrasound Surgery International Symposium
Washington, DC
- 2009 MRI-Guided Prostate Biopsy, Role and Limitations of Conventional Imaging Techniques
Minimally Invasive Intervention for Localized Prostate Cancer
NYU School of Medicine, NY
- 2009 Prostate Imaging
9th International Congress on Genitourinary Malignancies
Washington, DC
- 2011 NCIGT Workshop
Washington, DC
- 2011 Imaging Adjuncts to Improve Prostate Biopsy
12th Annual Meeting of the Society of Urologic Oncology in Conjunction with the World
Urological Oncology Federation Extraordinary Opportunities for Discovery
Bethesda, MD
- 2012 3rd International Symposium MR Guided FUS
Washington, DC
- 2013 ARRS Body MRI Faculty Annual Meeting
Washington, DC
- 2013 6th NCIGT Workshop
Washington, DC
- 2013 Brown University/Rhode Island Hospital, Grand Rounds
Providence, RI
- 2014 Advances in Prostate Cancer Diagnosis and Monitoring with Multi Parametric MRI
Scripps Research Institute
La Jolla, CA

- 2014 Advances in Prostate Cancer Diagnosis and Monitoring with Multi Parametric MRI
7th Annual W.B. Ingalls Memorial Prostate Health and Cancer Seminar
The Prostate Cancer Dilemma: Tiger or Pussycat?
Jupiter, FL
- 2014 Prostate MRI and MRI-Targeted Procedures Conference: The Comprehensive Course
Invited Faculty, IAME
1. Prostate Cancer, Pathology & PI-RADS "Current Therapies for Prostate Cancer"
2. MR-Targeted Biopsies "Overview" and "In bore"
3. Clinical Case Review Post Treatment Recurrence
4. Elevated PSA and Negative Biopsies
5. Clinical Case Review 15 "Pseudoscreening": High Risk and No Biopsy
6. Radiation Therapy Planning
7. MRI Targeted Therapies
Las Vegas, NV
- 2014 Interactive Game: Prostate MRI Using PI-RADS
RSNA's 100th Scientific Assembly and Annual Meeting
Chicago IL
- 2014 Multi-parametric MRI (including PIRADS)
RSNA's 100th Scientific Assembly and Annual Meeting
Chicago, IL
- 2014 MR Guided Prostate Interventions
7th NCIGT Workshop
Washington, DC
- 2015 Prostate MRI Using PI-RADS (Prostate Imaging Reporting and Data System); Multi-
parametric MRI (including PIRADS)
RSNA's 101st Scientific Assembly and Annual Meeting
Chicago, IL
- 2016 NCIGT Leadership Perspective and Prostate MR and Image-guided Interventions
8th NCIGT Workshop
Washington, DC
- 2016 Prostate MR in the PIRADS Era
RSNA's 102st Scientific Assembly and Annual Meeting
Chicago, IL
- International**
- 1990 Clinical MRI
Grand Rounds, Royal College of Surgeons & University College
Dublin, Ireland
- 1990 International Diagnostic Radiology, 5 Lectures
Radiology Society of Argentina
- 1997 Role of Prostate MRI in Men with Prostate Cancer
Annual Scientific Meeting, Royal College of Surgeons
Dublin, Ireland
- 1997 Comparative Value of Ultrasound, CT and MRI in Diagnosis and Staging of Ovarian
Cancer

- Annual Scientific Meeting, Royal College of Surgeons
Dublin, Ireland
- 1999 MRI of Female Pelvis
International Diagnostic Radiology Course, 10 Seminars, 75 Minutes
Davos, Switzerland
- 2000 3rd Interventional MRI Workshop
Leipzig, Germany
- 2000 Prostate MRI; MRI of the Breast; MRI of Female Pelvis Benign Disease; MRI of the
Female Pelvis Malignant Disease
34th International Course of Radiology and Imaging
Mexico City, Mexico
- 2002 MRI Female Pelvis Benign; MRI Female Pelvis Malignant
New Horizons in Radiology Symposium Berlin, Germany
- 2003 MRI Female Pelvis; MRI Male Pelvis; MRI in Obstetrics
37th International Course of Radiology and Imaging
Mexico City, Mexico
- 2004 MRI of the Prostate; Image Guided Diagnosis and Treatment of Prost ate Cancer; MR
Diagnosis and MR Guided Focused Ultrasound Surgery of Uterine Fibroids; MRI of the
Female Pelvis: Malignant Disease
Radiology in Ireland, Kilarney and Dublin, Ireland
- 2005 Imaging and Interventional Procedures in Hepatocellular Carcinoma Liver and Disease
at the Crossroads of Civilization East Meets West
Alexandria Library, Egypt
- 2005 Image Guided Therapy of the Pelvis; MRI in Reproductive Medicine
University of Barcelona
- 2006 MR Guided Focused Ultrasound for Uterine Fibroids
European Congress of Radiology
Vienna, Austria
- 2006 MRI of the of the Male Pelvis; Focused Ultrasound Surgery on Leiomyomas
Practical Applications of New Imaging Techniques
Brugge, Belgium
- 2006 MR Guided Pelvic Interventions
Kaposvar, Hungary
- 2006 Image Guided Therapy
Grand Rounds, Royal College of Surgeons Dublin, Ireland
- 2007 MR Guided Focused Ultrasound Surgery: A Novel Non-invasive Treatment for Focal
Liver Disease, 17th APASL Conference, Kyoto, Japan
- 2007 Advanced Body Imaging
ISMRM
Berlin, Germany
- 2008 National Center for Image Guided Therapy: Mission and Organizational Overview
OR Leadership, Princess Margaret Hospital
- 2010 MR of Female Pelvis: Benign Diseases; MR of Female Pelvis: Malignant Diseases; MRI
for Diagnosis and Staging; MR-guided Interventions in the Pelvis
2010 MRI: Clinical Updates & Practical Applications, Los Cabos, Mexico

- 2011 MRI of the Prostate; Image Guided Therapy; MRI Guided High Focused Ultrasound in the Abdomen & Pelvis
Clinical MRI Update Course, Rio de Janeiro
- 2011 MRgFUS of Prostate Cancer
European MR Guided US Therapy Symposium. Rome, Italy
- 2012 Queen Mary Hospital, Hong Kong Visiting Professorship Women's Imaging
- 2012 SMRT, ISMRM Faculty, Melbourne, Australia
- 2013 MR Prostate Update and MR of GYN Malignancy
Visiting Professors' Program, McGill University
Montreal, Canada
- 2013 The Role of Radiology in the Field of Image Guided Therapy
Visiting Professor, German Association of University, Chairmen in Radiology
Tubingen, Germany
- 2013 MR-HIFU Applications: Uterine Fibroids
Visiting Professor, UMCU Symposium 2013
Utrecht, Netherlands
- 2014 Prostate MR
ISMRM & SMRT Faculty
Milan, Italy
- 2014 MR-guided Prostate Interventions
10th Interventional MRI Symposium
Leipzig, Germany
- 2015 Visiting Professor, University of British Columbia Grand Rounds (Electrical and Computer Engineering, Radiology and Urologic Sciences)
1. MR guided interventions technical challenges: A Radiologist's perspective.
2. MR imaging and image guided interventions in Prostate cancer.
3. The role of Multi-parametric MRI (including PIRADS) in prostate cancer detection, diagnosis and image guided interventions.
Vancouver, Canada
- 2015 Image guided therapy – a view from Boston.
25th Anniversary – Institute of Diagnostic Imaging and Radiation Oncology, Kaposvar University
Kaposvar, Hungary
- 2015 Prostate Panel – Difficult Cases, Complications, Where Next with Technology.
1st Annual Ferenc A. Jolesz Oration in Focused Ultrasound
3rd European Symposium on Focused Ultrasound Therapy
London, England
- 2016 Image guided therapy advances in Oncology from the NCICT
Brain and Spine Institute [Institut du Cerveau et de la Moelle épinière (ICM)]
Paris, France
- 2016 Image guided therapy advances in Oncology from the NCICT

Report of Clinical Activities and Innovations

Current Licensure and Certification

1982	Irish Medical Council Registration
1988	American Board of Radiology Certification
1991	Massachusetts Medical License

Report of Technological and Other Scientific Innovations

10/30/2001-12/17/2013 *Patent #: 6,311,084 - Radiation seed implant method and apparatus.*

Report of Scholarship

Publications

Original Articles

1. **Tempany CM.** Villous tumor. *IMJ Ill Med J.* 1985 Nov; 168(5):313, 52-3. PMID: 2867070.
2. **Tempany CM.** The Viewbox. Villous adenoma of duodenum. *IMJ Ill Med J.* 1986 Jan; 169(1):7, 45. PMID: 2869017.
3. Posniak HV, **Tempany CM**, Demos TC, Love L. Computed tomography of posterior pararenal and properitoneal metastases. *Urol Radiol.* 1988 Jan; 10(2):75-9. PMID: 3055632.
4. Cooper RA, **Tempany CM**, Farrell B. Conventional and computed tomographic sialography in evaluating disorders of the parotid gland. *Entechnology.* 1988 Sep; 20-35. PMID: 3271574.
5. Kawashima A, Fishman EK, Hruban RH, **Tempany CM**, Kuhlman JE, Zerhouni EA. Biliary cystadenoma with intratumoral bleeding: radiologic-pathologic correlation. *J Comput Assist Tomogr.* 1991 Nov-Dec; 15(6):1035-8. PMID: 1939756.
6. Kawashima A, Kuhlman JE, Fishman EK, **Tempany CM**, Magid D, Lederman HM, Winkelstein JA, Zerhouni EA. Pulmonary Aspergillus chest wall involvement in chronic granulomatous disease: CT and MRI findings. *Skeletal Radiol.* 1991 Jan; 20(7):487-93. PMID: 1754909.
7. Kronthal AJ, Kang YS, Fishman EK, Jones B, Kuhlman JE, **Tempany CM.** MR imaging in sclerosing mesenteritis. *AJR Am J Roentgenol.* 1991 Mar; 156(3):517-9. PMID: 1899747.
8. **Tempany CM**, Rahmouni AD, Epstein JI, Walsh PC, Zerhouni EA. Invasion of the neurovascular bundle by prostate cancer: evaluation with MR imaging. *Radiology.* 1991 Oct; 181(1):107-12. PMID: 1887017.
9. Wolff KA, Herold CJ, **Tempany CM**, Parravano JG, Zerhouni EA. Aortic dissection: atypical patterns seen at MR imaging. *Radiology.* 1991 Nov; 181(2):489-95. PMID: 1924793.

10. Carter HB, Brem RF, **Tempany CM**, Yang A, Epstein JI, Walsh PC, Zerhouni EA. Nonpalpable prostate cancer: detection with MR imaging. *Radiology*. 1991 Feb; 178(2):523-5. PMID: 1987620.
11. Brem RF, **Tempany CM**, Zerhouni EA. MR detection of breast implants rupture. *J Comput Assist Tomogr*. 1992 Jan-Feb; 16(1):157-9. PMID: 1729297.
12. Mitchell DG, Palazzo J, Hann HW, Park CH, **Tempany CM**, Chako A, Rubin R. Mass-like hepatic hypertrophy: MRI findings with histologic correlation. *Magn Reson Imaging*. 1992 Jan; 10(4):541-7. PMID: 1501524.
13. Schiebler ML, Yankaskas BC, **Tempany CM**, Holtz P, Zerhouni EA. Efficacy of prostate-specific antigen and magnetic resonance imaging in staging stage C adenocarcinoma of the prostate. *Invest Radiol*. 1992 Aug; 27(8):575-7. PMID: 1385355.
14. **Tempany CM**, Morton RA, Marshall FF. MRI of the renal veins: assessment of nonneoplastic venous thrombosis. *J Comput Assist Tomogr*. 1992 Nov-Dec; 16(6):929-34. PMID: 1430444.
15. Rahmouni A, Yang A, **Tempany CM**, Frenkel T, Epstein J, Walsh P, Leichner PK, Ricci C, Zerhouni EA. Accuracy of in-vivo assessment of prostatic volume by MRI and transrectal ultrasonography. *J Comput Assist Tomogr*. 1992 Nov-Dec; 16(6):935-40. PMID: 1385499.
16. Silverman SG, Bloom DA, Seltzer SE, **Tempany CM**, Adams DF. Needle-tip localization during CT-guided abdominal biopsy: comparison of conventional and spiral CT. *AJR Am J Roentgenol*. 1992 Nov; 159(5):1095-7. PMID: 1414782.
17. Schiebler ML, Yankaskas BC, **Tempany CM**, Spritzer CE, Rifkin MD, Pollack HM, Holtz P, Zerhouni EA. MR imaging in adenocarcinoma of the prostate: interobserver variation and efficacy for determining stage C disease. *AJR Am J Roentgenol*. 1992 Mar; 158(3):559-62; discussion 63-4. PMID: 1738994.
18. Rahmouni A, **Tempany CM**, Jones R, Mann R, Yang A, Zerhouni EA. Lymphoma: monitoring tumor size and signal intensity with MR imaging. *Radiology*. 1993 Aug; 188(2):445-51. PMID: 8327695.
19. **Tempany CM**, Partin AW, Zerhouni EA, Zinreich SJ, Walsh PC. The influence of finasteride on the volume of the peripheral and periurethral zones of the prostate in men with benign prostatic hyperplasia. *Prostate*. 1993 Jan; 22(1):39-42. PMID: 7678931.
20. Schwartz LH, Seltzer SE, **Tempany CM**, Silverman SG, Piwnica-Worms DR, Adams DF, Herman L, Herman LT, Hooshmand R. Prospective comparison of T₂-weighted fast spin-echo, with and without fat suppression, and conventional spin-echo pulse sequences in the upper abdomen. *Radiology*. 1993 Nov; 189(2):411-6. PMID: 8210368.
21. Ellis JH, **Tempany CM**, Sarin MS, Gatsonis C, Rifkin MD, McNeil BJ. MR imaging and sonography of early prostatic cancer: pathologic and imaging features that influence identification and diagnosis. *AJR Am J Roentgenol*. 1994 Apr ;162(4):865-72. PMID:

8141009.

22. Schwartz LH, Seltzer SE, Adams DF, **Tempany CM**, Piwnica-Worms DR, Silverman SG, Herman L, Herman LT, Hooshmand R. Effects of superparamagnetic iron oxide (AMI-25) on liver and spleen imaging using spin-echo and fast spin-echo magnetic resonance pulse sequences. *Invest Radiol*. 1994 Jun; 29 Suppl 2:S21-3. PMID: 7928234.
23. **Tempany CM**, Zhou X, Zerhouni EA, Rifkin MD, Quint LE, Piccoli CW, Ellis JH, McNeil BJ. Staging of prostate cancer: results of Radiology Diagnostic Oncology Group project comparison of three MR imaging techniques. *Radiology*. 1994 Jul; 192(1):47-54. PMID: 8208963.
24. Burnett AL, Allen RP, **Tempany CM**, Dover GJ, Brendler CB. Evaluation of erectile function in men with sickle cell disease. *Urology*. 1995 Apr; 45(4):657-63. PMID: 7716848.
25. **Tempany CM**, Masoudi FA, Marshall FF. The use of dynamic magnetic resonance imaging to evaluate orthotopic continent urinary diversion. *Urology*. 1995 May; 45(5):886-92. PMID: 7747382.
26. Chako AC, **Tempany CM**, Zerhouni EA. Effect of slice acquisition direction on image quality in thoracic MRI. *J Comput Assist Tomogr*. 1995 Nov-Dec; 19(6):936-40. PMID: 8537529.
27. Schwartz LH, Seltzer SE, **Tempany CM**, Silverman SG, Piwnica-Worms DR, Adams DF, Herman L, Herman LA, Hooshmand R. Superparamagnetic iron oxide hepatic MR imaging: efficacy and safety using conventional and fast spin-echo pulse sequences. *J Magn Reson Imaging*. 1995 Sep-Oct; 5(5):566-70. PMID: 8574043.
28. Silverman SG, Hillstrom MM, Doyle CJ, **Tempany CM**, Sica GT. Thrombophlebitic retroperitoneal collateral veins mimicking lymphadenopathy: MR and CT appearance. *Abdom Imaging*. 1995 Sep-Oct; 20(5):474-6. PMID: 7580789.
29. D'Amico AV, Whittington R, Malkowicz SB, Loughlin K, Schultz D, Schnall M, **Tempany CM**, Tomaszewski JE, Renshaw A, Wein A. An analysis of the time course of postoperative prostate-specific antigen failure in patients with positive surgical margins: implications on the use of adjuvant therapy. *Urology*. 1996 Apr; 47(4):538-47. PMID: 8638365.
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