CURRICULUM VITAE

RACHEL FRYDMAN BREM, M.D.

NAME: Rachel Frydman Brem

OFFICE TELEPHONE: [redacted]

EMAIL ADDRESS: [redacted]

CITIZENSHIP: USA

EDUCATION

1975 - 1979	Brandeis University, BA, Biology, Magna cum Laude with highest honors in biology
1979 - 1980	Johns Hopkins University, Research Fellowship, Division of Neuroscience
1980 - 1984	College of Physicians and Surgeons of Columbia University, M.D.

CLINICAL ACTIVITIES

1980 - 1984	College of Physicians and Surgeons of Columbia University
1984 - 1985	Internship: Internal Medicine Sinai Hospital of Baltimore
1985 - 1989	Radiology Residency Johns Hopkins Hospital Department of Radiology and Radiological Science
1989 - 1990	Fellowship in Magnetic Resonance Imaging Johns Hopkins Hospital Department of Radiology and Radiological Science
1990	Fellowship, Breast Imaging Johns Hopkins Hospital Department of Radiology and Radiological Science

1990 - 1992	Medical Staff, The Johns Hopkins Medical Institutions, Department of Radiology and Radiological Science
1992 - 1994	Medical Staff, St. Joseph's Hospital Towson, MD
1992 - 1994	Director, Breast Imaging St. Joseph's Hospital, Towson, MD
1992 - 1994	Director, MRI, St. Joseph's Hospital, Towson, MD
1994 - 2000	Medical Staff, The Johns Hopkins Medical Institutions
2000- present	Medical Staff, The George Washington University Medical Center
2000-2026	Director, Breast Imaging and Intervention, The George Washington University
2015- 2019	Program Leader, Breast Cancer, The George Washington Cancer Center

ACADEMIC POSITIONS

1976	Research Assistant, Department of Anatomy, Harvard Medical School.
1977 - 1979	Predoctoral Fellow, Department of Biology, Brandeis University
1979 - 1980	Predoctoral Fellow, Department of Neurology, Johns Hopkins University School of Medicine
1980 - 1984	Predoctoral Fellow, Department of Medicine (Cardiology), Columbia University College of Physicians and Surgeons
1985 - 1989	Fellow, Department of Radiology, Johns Hopkins University School of Medicine
1989 - 1991	Instructor in Radiology, Johns Hopkins University School of Medicine

1991	Visiting Scientist, Armed Forces Institute of Pathology
1991 - 1992	Director, Breast Imaging, Johns Hopkins Hospital
1991 - 1992	Assistant Professor, full-time, Department of Radiology Johns Hopkins University School of Medicine
1992 - 1994	Assistant Professor, part-time, Department of Radiology, Johns Hopkins University School of Medicine
1994 - 1999	Acting Director, Division of Breast Imaging, Russell H. Morgan Department of Radiology and Radiological Sciences, Johns Hopkins Medical Institutions.
1994 - 2000	Assistant Professor, Full Time, Division of Breast Imaging, Russell H. Morgan Department of Radiology and Radiological Sciences, Johns Hopkins Medical Institutions
1996 - 2000	Assistant Professor, Department of Oncology Johns Hopkins University School of Medicine
2000 -2002	Associate Professor, Department of Radiology, The George Washington University Medical Center
2000 -2026	Director, Breast Imaging and Intervention, The George Washington University Medical Center
2001- 2026	Vice Chair for Research and Faculty Development, Department of Radiology, The George Washington University
2003- 2026	Professor of Radiology, The George Washington University Medical Center
2009- 2019	Board of Directors, Katzen Cancer Research Center, George Washington University

HONORS

1979	Highest Honors in Biology Brandeis University
1979	Biology Honors Thesis: "Regulation of Contractile Proteins in Brain"
1979 - 1980	Henry R. Viets Fellow, Myasthenia Gravis Foundation
1979 - 1980	Muscular Dystrophy Association Fellowship
1984	NIH Research Fellowship
1984	Stevelman Award for Excellence in Clinical Cardiology, College of Physicians & Surgeons of Columbia University
1985	Department of Medicine Award, Sinai Hospital, Best Housestaff Paper
1996	RSNA Certificate of Merit, "Difficult Preoperative Needle Localization: Lessons to Be Learned"
1997	Medal of Honor, Jagelunski University, Krakow, Poland
1997 Design, Special	RSNA Certificate of Merit & Excellence in Mammographic Views for Special Circumstances"
1997	RSNA Excellence in Design, "Radiolucency of Breast Implants: Spectrum of Silicone, Saline and Triglyceride Implants"
1997	RSNA Excellence in Design, "Spectrum of Unusual Manifestation of Non-Pathologic Breast Parenchyma"
1997	RSNA Excellence in Design, "Advanced Breast Biopsy Instrument: Integration and Applications in Breast Imaging"
1997	RSNA Selection for Publication in Radiographics,

	"Comparison of Techniques in Stereotactic Guided Vacuum Assisted Directed Breast Biopsy"
1998	RSNA Selection for Publication in Radiographics, "Advanced Breast Biopsy Instrument: Integration and Applications in Breast Imaging"
1998	Fellow, Society of Breast Imaging
1998	Selection of Scientific Exhibit 'Advanced Breast Biopsy Instrument: Integration and Applications in Radiology' for radiology.com
1998	RSNA Certificate of Merit: Evaluation with Scintimammography: A Scintimammographic Atlas and Proposed Classification System for Image Interpretation. Radiology 1999;213(P):508.
1999	Editors Recognition Award, The Journal of Woman's Imaging.
2001	Center of Excellence Award, Bristol Myers Squibb
2001 – 2026	Who's Who of American Women, Marquis Publishers, New Providence, NJ
2001	Improvement in sensitivity of screening Mammography with computer –aided detection (CAD): A multi-institutional trial: Nominated, Best Scientific Paper, European Congress of Radiology 2002, Vienna, Austria
2002	Chosen one of "Ten Women to Watch in 2003", by Jewish Women International
2003	American Registry of Outstanding Professionals
2003	International Biographical Centre: Woman of the Year
2003	Editor's Recognition Award, Journal of Women's Imaging
2005	Mary Alice Stoddard Award, The Family and Child Services of Washington DC for Contribution to the Community through the George Washington University Mobile Mammography Program

2005 Editorial Advisory Panel, American Journal of Roentgenology

2004 Elaine H. Snyder Cancer Research Award, The George Washington University

2006 American's Top Radiologist, Consumer Research Council of American

2006 Advisory Board, American Journal of Radiology Website for Woman's Imaging, Marcia Javitt, Chair

2006 Advisory Board, Javitt Center for Women's Health

2007 America's Top Doctors, Castle Connolly Medical LTD

2008 America's Top Doctors, Castle Connolly Medical LTD

2009 George Washington University Cancer Gala: Commitment to Overcoming Cancer Award, Ritz Carlton Hotel, Washington, DC

2009 Presidential Who's Who

2009 Editor Recognition Award, *American Journal of Roentgenology*

2010 Strathmore's Who's Who

2010 Golden Apple Award, Resident's Choice Award, Professor of the Year. Department of Radiology, The George Washington University

2010 Editor's Recognition Award. *Radiology*

2011 Fellow, American College of Radiology

2012 Top Doctors in American, Castle and Connollly

2012 Top Radiologists in American, Top 1%

2012 Top Cancer Doctors in the US

2013 SuperDoc, Washington, DC

2013	Top Doctors in American, Castle and Connolly
2013	Top Radiologists in American, Top 1%
2013	Top Cancer Doctors in the US
2013	The Hope Award, Tigerlily Foundation, Washington DC
2013	Living in Pink Foundation Honoree
2014	Top Doctors for Cancer. Castle Connely
2014	Top Radiologists. Castle Connolly
2015	Top Doctors for Cancer, Castle Connolly
2015	Newsweek, Top Doctors for Cancer, Diagnostic Radiologist
2015	Lauren Harbour Scott Award, Whirlpool, for dedication to research and care of women with breast cancer
2016-2026	Castle Connolly Top Doctor for Cancer
2016-2026	Castle Connolly America's Top Doctor
2016 - 2026	Castle Connolly Top Radiology
2017	Best of Washington Award for Physicians and Surgeons
2019-2026	Castle Connolly Women in Medicine
2016- 2026	America's Best Physicians National Consumer Advisory Board
2020	Editors Recognition Award AJR
2020	Editors Recognition Award Radiology
2025	Castle Connelly Inaugural Women in Medicine

CONSULTING

Board of Directors, National Breast Database

Collagen Corporation, Neufchatel, Switzerland

R2 Technology, Inc., Los Altos, CA

Williams & Wilkens, Baltimore, MD

United States Surgical Corp., Danbury, CT

Dilon Technologies, Inc., Williamsburg, VA

Intelligent Systems, Tampa, FL

Nuclear Imaging of Breast Advisory Panel, Dupont Pharmaceuticals Company Medical Imaging, Wilmington, Delaware

Shared Medical Systems (SMS), Malvern, PA

Dupont Pharmaceuticals, Billerica, MA

SenoRx, Inc. Aliso Viejo, CA

Medical Advisory Board, Haddasah of Greater Baltimore

Medical Advisory Board, TransScan Medical

Breast Cancer Advisory Board, General Electric, Milwaukee, WI, 2004

Oncad, Alan Penn Diagnostics, Chair, Medical Advisory Board, Rockville, MD

Orbotech Ltd. Yavneh, Israel, Consultant, 2007-2008

U-Systems, San Jose , CA, Consultant, 2009

Siemens Medical Solutions, Consultant, 2009

Philips Medical, Consultant, 2009

Konica Minolta, Consultant,2008

Dune Medical, 2011- 2013

ClearCut Medical 2013- 2020

Devicor 2013

QT Ultrasound 2013

Devicor, Mammotome 2013-2015

Delphinus 2016- 2024

BeSound Medical 2024- present

Breathe BioMedical 2024-present

Eos DX 2022-present

JOURNAL REVIEWER:

1998	The Female Patient
1998 -present	Clinical Cancer Research
1998 –present	Journal of National Cancer Institute
1998 –present	American Journal of Roentgenology
1998 –present	Journal of General Internal Medicine
1999 – 2000	Breast Cancer Research and Treatment, Kluwer Academic Publishers

2000 –present	Cancer
2001 –present	The Breast Journal
2002 –present	Journal of Nuclear Medicine
2002 –present	International Journal of Cancer
2004- present	Mayo Clinic Proceedings
2006-present	Academic Radiology
2009- present	Radiology
2009- present	Applied Radiation and Isotopes
2014	Proceedings of the National Academy of Sciences (PNAS)

EDITORIAL BOARDS:

2000-2005	The Breast Journal
2000-2006	Journal of Women's Imaging
2001- 2005	Cancer

2008- 2022 AJR, American Journal of Reontgenology,
Assistant Editor, Women Imaging Section

SCIENTIFIC ADVISORY BOARDS:

Dilon Technologies, Inc.

Dupont Pharmaceuticals, Breast Imaging

Trans-Scan Corporation

CADx Inc.

Cadimas

iCAD

Penn Diagnostics and Associates

Orbotech

U-Systems

General Electric, Breast Imaging

Hologic, Interventional Breast Procedures

Dune Medical

Devicor

ClearCut Medical

Prevent Cancer Foundation (Medical Advisory Board)

FORCE (Facing Our Risk of Cancer: BRCA positive)

Breast Cancer Alliance (Medical Advisory Board)

Delphinus Medical

ScreenPoint Medical

BeSound Medical

BOARD OF DIRECTORS:

iCAD (2001-2019)

Dilon Technologies

Katzen Cancer Research Center, The George Washington University

Delphinus Medical

Screenpoint Medical

Eos DX

INVITED REVIEWER:

1992 - 1994 The Maryland Cancer Registry Advisory Committee, Maryland State Council on Cancer Control

1996 U.S. Army Medical Research and Materials Command, Breast Cancer Program

1998 American College of Radiology, Mammography Accreditation Program

1998 Consultant, Medical Devices Advisory Committee, Center for Devices and Radiological Health, Food and Drug Administration

1999 Susan G. Komen Breast Cancer Foundation, Maryland Chapter, Grant Review

2001 Diagnostic Imaging Study Section, NIH, Grant Reviewer (6/4/01) – ZRG1 RNM (33)

2002 Development of Novel Technologies for in Vivo Imaging (ZCA 1 SRRB-9 J2 R), NCI Grant Reviewer

2003 Novel Technologies for in Vivo Imaging PAR 03-125, NCI Grant Reviewer, Gaithesburg, MD

2005 Image Guided Cancer Interventions SBIB-J (11), NIH Grant Review, ZRG1 SBIB-J11B RFA 04-063, Washington, DC

2005 Special Study Section "Development of Methods for in vivo Imaging and Bioengineering Research", ZRG1 SBIB-J 01 S, NCI, Washington, DC.

2006 Special Study Sections" In Vivo Imaging and Bioengineering Research", NCI, Washington, DC ZRG1 SBIB-J (01) (B)

2006 "In Vivo Imaging and Bioengineering Research" Study Section, SBIB-J (51) on November 6 and 7

2007 2007 Council ZCA 1 GRB-P M 1 S Development and Discovery Special Emphasis Panel Review, February 7-9

2011	Special Emphasis Panel/Scientific Review Group 2012/01 ZRG1 DTCS-U (81) S , Reviewer
2012	Clinical and Translational Imaging Applications ZRG 1 DRCS-U(81) S
2012	Prevent Cancer Foundation *Dialogue for Action™ on Cancer Screening* review committee
2015	Prevent Cancer Foundation *Dialogue for Action™ on Cancer Screening* Speaker. National History and Epidemiology of Breast cancer
2015	ZRG1 SBIB-F 56R PAR-14-166: Early Phase Clinical Trials in Imaging and Image- Guided Interventions (2/20/2015)

ADMINISTRATIVE POSITIONS

1995-2000	Mentor, American Medical Women's Association Mentor Program
1995-2000	Steering Committee, Johns Hopkins Breast Center, Baltimore, Maryland
1996-2000	Organizing Committee, Johns Hopkins Comprehensive Women's Program
1997-2000	Chair, Clinical Programs Committee, Comprehensive Women's Program, Johns Hopkins Medical Institutions
1998-2000	National Comprehensive Cancer Network Panel Member, Breast Screening Committee
1999	Strategy Board, Johns Hopkins University Engineering Research Center

1999	Consultant, Medical Devices Advisory Committee, Center for Devices and Radiological Health, Food and Drug Administration
2000 –present	Cancer Committee, The George Washington University Hospital
2001 –present	Faculty Senate, The George Washington University School of Medicine
2001	Selection Committee, Director of Nuclear Medicine, The George Washington University Medical Center.
2001 – 2002	Selection Committee, Director of Radiation Oncology, The George Washington University Medical Center.
1998	National Institutes of Health, Member Ad-Hoc Study Section, Diagnostic Imaging (DMG)
1998	Resident Selection Committee, Department of Radiology, The George Washington University Medical Center
2001	Executive Committee, Department of Radiology, The George Washington University Medical Center
1999	Editorial Board, *The Breast Journal,* Blackwell Science
2001	Editorial Board, *The Journal of Women's Imaging*, Lippincott Williams and Wilkins
2002	Selection Committee, Director Breast Surgery, The George Washington University
2002- present	Admissions Committee, The George Washington University School of Medicine
2003- 2005	Executive Committee, The George Washington University Hospital
2003	Appointment, Salary and Promotion Policies (ASAP) Committee
2003	Editorial Advisory Board, Cancer: Interdisciplinary International Journal of the American Cancer Society

2003 Co-Chair, Women's Health Congress, The George Washington University Medical Center

2004- present Director, Mobile Mammography Program, The George Washington University Medical Center

2005 Faculty Support Committee, The George Washington University Medical Center, member

2005 Medical Executive Committee Hearing Committee, The George Washington Hospital

2005- present Founder, Brem Foundation to Defeat Breast Cancer, Prince Frederick, MD

2006-present Executive Committee, Medical Center Senate, The George Washington University

2006 Consultant to Hologic, Inc. to Center for Medicare and Medicaid

2008 Chair, Expedited Search Committee, The George Washington University School of Medicine

2009-2011 Expedited Search Committee, The George Washington University School of Medicine

2009 Committee for Competency for Admission, Admissions Committee, The George Washington University School of Medicine

2009-2010 George Washington University International Women's Institute Task Force

2010-2014 Executive Committee, The George Washington University Hospital

2010-2011 Global Women's Institute Faculty Advisory Board

2012 Tigerlily Foundation's Young Women's Breast Health Awareness Program for Healthcare Provider

2015 Women's Day of Health, George Washington University. Committee Co-Chair

2015	Scientific Leadership Committee, The George Washington Cancer Center
2015	Executive Leadership Committee, The George Washington Cancer Center
2016	Society of Breast Imaging, Committee on Fellowship Match
2017	Selection Committee, George Washington School of Medicine and Health Sciences Associate Vice President /Associate Dean for Development
2018-present	Chair, Breast Imaging Fellowship Committee, Society of Breast Imaging
2019-present	Society of Abdominal Radiology Fellowship Advisory Panel

LICENSURES AND CERTIFICATIONS

1985	Diplomate, National Board of Medical Examiners
1986	Maryland License
1990	Diplomat, American Board of Radiology
2000	Washington DC License
2018	Virginia License

MEMBERSHIPS

Maryland Radiologic Society
American College of Radiology
Radiological Society of North America
Society of Magnetic Resonance Imaging
American Association for Women Radiologists
Maryland Medical Breast Society
Maryland Cancer Registry Advisory Committee
Society of Breast Imaging
American Medical Women's Association, Inc.
American Society of Breast Disease

Society of Breast Imaging

STUDENTS/FELLOWS

STUDENTS:

Lieba Sanow
Julie Kaplan
Rachel Roistman
Alexis Bakos Brown
Aviva Richman
Jennifer Massengale (4th year Medical Student, GW))
Jessica Hsiu, (4th year Medical Student, GW))
Naveh Levy (4th year Medical Student, GW)
Kimmie Bui (4th year Medical Student, GW)
Arcel DeGuzman (4th year Medical Student, GW)
Lakshmi Basavaraju(4th year Medical Student, GW)
Jun Yang PhD Candidate, Department of Engineering, George Washington University (Ultrasound Tissue Characterization and Parametric Imaging for Breast Cancer Detection)
Yongning Zou PhD Candidate, Department of Engineering, George Washington University (Electrical Impedance Imaging for Breast Cancer Detection)

Gaurav Jindal (4th year Medical Student, GW)
Holly Yeatman (4th year Medical Student, GW)
Ivan Petrovich (Radiology Resident)
Jonathan Hargrave (4th year Medical Student, GW)
Tiffany Tsai (4th year Medical Student, GW)
Jason Katzen (Post Doctoral Fellow)
Shane Wasden (1s year Medical Student, GW)
Catherine Vu (4th year Medical Student, GW)
Jonathan Hargraves(4th year Medical Student, GW)
Vivek Patil (1st year Medical Student, GW)
Jason Katzen (4th year Medical Student, GW)
Mahsa Tehrani (4th year Medical Student, GW)
Michael Fishman (4th year Medical Student, GW)
Lakshmi Konsul (4th year Medical Student, GW)
Dalia Fadul (4th year Medical Student, GW)

FELLOWS:

Christine Chaconis, M.D.	(Breast Imaging Fellow)
Valerie Behrndt, M.D.	(Breast Imaging Fellow)
Deborah Barbakoff, M.D.	(Breast Imaging Fellow)
Julie Shaffry, M.D.	(Breast Imaging Fellow)
Joelle SchoonjansM.D.	(Research Fellow)
Audrey Nolten, MD	(Breast Imaging Fellow)
Elyse Berman, MD	(Breast Imaging Fellow)
Audrey Nolten, MD	(Breast Imaging Fellow)
Jocelyn Simon, M.D.	(Breast Imaging Fellow)
Deborah Ash, M.D.	(Breast Imaging Fellow)
Michele McCorvey, M.D.	(Breast Imaging Fellow)
Kevin Mohtashemi, M.D.	(Research Fellow)
Jason Appell, M.D.	(Research Fellow)
Angelique Floerke, M.D.	(Radiology Resident)
Vivek Mathur , M.D.	(Radiology Resident)
Jessica Torrente, MD	(Breast Imaging Fellow)
Chandra Baker, MD	(Breast Imaging Fellow)
Tiffany Gilliam, MD	(Breast Imaging Fellow)
Kristine Detloff, MD	(Breast Imaging Fellow)
Jessica Sanchez, MD	(Breast Imaging Fellow)
Angelique Floerke, MD	(Breast Imaging Fellow)
Heather Peppard, MD	(Breast Imaging Fellow)
Jason Katzen, MD	(Breast Imaging Fellow)
Allison Gittens, MD	(Breast Imaging Fellow)
Shadi Yousefi, MD	(Breast Imaging Fellow)
Lindsey Weintritt MD	(Breast Imaging Fellow)
Allison Yingling MD	(Breast Imaging Fellow)
Natalie Chan MD	(Breast Imaging Fellow)
Denise Thigpen, MD	(Breast Imaging Fellow)
Anjali Malek, MD	(Breast Imaging Fellow)
Marina Ioffe, MD	(Breast Imaging Fellow)
Gina Kim-Ahn MD	
Christina Marks, MD	
Marie Quinn, MD	
Nancy Ibrahim, MD	
Caroline Ling, MD	
Jacqueline Copeland MD	
Gauri Kaurshikar, MD	
Andrew Oncale, MD	
Grace Thomas, MD	
Ashley Inciardi, MD	
Amanda Kappler, MD	
Kaleigh Taylor, MD	

Yasmin Mikail, MD
Saba Khan MD

TEACHING ACTIVITIES

1989 - 1990	Lecturer, Musculoskeletal Magnetic Resonance Imaging: Practicum in Magnetic Resonance Imaging, Johns Hopkins Medical Institutions
1990	Resident Education in Breast Imaging, Johns Hopkins University School of Medicine
1990 - 1992	Medical Student Education in Breast Imaging
1991 - 1992	Course Director, Practicum in Breast Imaging, Johns Hopkins Medical Institution (New Course Developed for CME, attended by national and international radiologists)
1991 - 1992	Educational Coordinator, Radiology Colloquia, Dept of Radiology, Johns Hopkins Hospital
1991 - 1995	Chairman, Educational Committee, Maryland Radiological Society
1995 - 1996	Chairman, Educational Committee, American Association for Women in Radiology
1997-2000	Course Director, Practicum in Breast Imaging, Johns Hopkins Medical Institution
1997-1999	Coordinator, Resident Education in Breast Imaging, Department of Radiology and Radiological Sciences, Johns Hopkins Medical Institutions
1997-2000	Lecturer, Pathophysiology Course Second Year Medical Students, Johns Hopkins University School of Medicine
1997- 2000	Conference Director, Radiological-Pathologic Correlation Conference-Breast Disease, Johns Hopkins Medical Institutions

1998	Program Committee, The Association of University Radiologists, Oak Brook, IL
1998 - 2000	Course Director, Practicum in Stereotactic Breast Biopsy and Tissue Acquisition, Johns Hopkins Medical Institutions (Attended by national and international radiologists and surgeons)
1999- 2000	Resident Education, Department of Radiology and Radiological Sciences, Johns Hopkins Medical Institutions
1999-2000	Thesis Review Committee, Determinants of Diagnostic Follow-up After Inconclusive Screening Mammogram, Alexis Bakos Brown, PhD candidate, Johns Hopkins University
2000 - 2002	Course Director, Practicum in Stereotactic Breast Biopsy and Tissue Acquisition, The George Washington University Medical Center
2000- present	Coordinator Resident Education in Breast Imaging, Department of Radiology The George Washington University Medical Center
2000- present	Director, Fellowship, Breast Imaging and Intervention, The George Washington University Medical Center
2001 –present	Coordinator, Breast Imaging, in 'Women's Health' elective, Primary Care Residency, The George Washington University
2001 –present	Coordinator, Breast Imaging, in 'Women's Health' elective, Internal Medicine Residency, The George Washington University
2001 –2003	Ph.D Dissertation Committee, Jun Yang, Department of Engineering, The George Washington University, Breast Cancer Detection Using Ultrasound Tissue Characterization and Parametric Imaging
2001 –2003	Ph.D Dissertation Committee, Yongning (Roy) Zou, Department of Engineering, The George Washington University, Electrical Impedance Imaging for Breast Cancer

Detection

2002 –2004 Resident Curriculum in Radiology Re-Development Committee

2001-2000 Lecturer, Women's Health: Issues and Controversies in the School of Public Health and Health Services, Course Director: Jehan El-Bayoumi, M.D.

2002-present Resident Education in Breast Imaging, Internal Medicine, Primary Care, Surgery and Ob/Gyn

2005 Course Co-Director, Biennial Breast Imaging Conference, DC/Maryland Chapters, American College of Radiology

2009 Course -Director, Biennial Breast Imaging Conference, DC/Maryland Chapters, American College of Radiology

2009 Course Director. First US Israel Breast Imaging Update, Jerusalem, Israel

2010 Course Director.Breast Imaging Update in the Capital. Washington, DC

2011 Course Director, Breast Imaging Update in the Capital, Washington , DC

2011 Second US Israel Breast Imaging Update, Tel Hashomer Medical Center, Tel Aviv, Israel

2013 Third US Israel Breast Imaging Update, Tel Hashomer Medical Center, Tel Aviv, Israel

2016-2018 Perspection: Undergraduate Course, Department of Psychology, The George Washington University

NEW COURSES DEVELOPED :

1997 – 2000 Conference Director, Radiologic-Pathologic Correlation Conference-Breast Disease, Johns Hopkins Medical Institutions

1998 – 2000 Course Director, Practicum in Stereotactic Breast Biopsy and Tissue Acquisition, Johns Hopkins Medical Institutions (Attended by national and international radiologists and surgeons)

2000	Course Director, Practicum in Stereotactic Breast Biopsy and Tissue Acquisition, The George Washington University
2000 –present	Director, Fellowship, Breast Imaging and Intervention, The George Washington University Medical Center
2009	First US Israel Breast Imaging Update, Jerusalem, Israel
2010	Breast Imaging Update in the Capital
2011	Second US Israel Breast Imaging Update, Tel Aviv Israel
2013	Third US Israel Breast Imaging Update, Tel Aviv, Israel
2014	Breast Imaging in the Nation's Capitol, Washington DC

SERVICE TO THE GEORGE WASHINGTON UNIVERSITY MEDICAL CENTER

2000	Course Director, Practicum in Stereotactic Breast Biopsy and Tissue Acquisition, The George Washington University
2000 –present	Director, Fellowship, Breast Imaging and Intervention, The George Washington University Medical Center
2000 –present	Medical Staff, The George Washington University Hospital
2000 –present	Director, Breast Imaging and Intervention , The George Washington University
2000	Course Director, Practicum in Stereotactic Breast Biopsy and Tissue Acquisition, The George Washington University Medical Center
2000 –present	Coordinator Resident Education in Breast Imaging, Department of Radiology The George Washington University Medical Center
2001 –present	Coordinator, Breast Imaging, in 'Women's Health' elective, Primary Care Residency, The George Washington University
2001 –present	Coordinator, Breast Imaging, in 'Women's Health' elective, Internal Medicine Residency, The George Washington

	University
2001 –present	Vice Chair for Research and Faculty Development, Department of Radiology, The George Washington University
2000 –present	Cancer Committee, The George Washington University Hospital
2001 –2005	Faculty Senate, The George Washington University School of Medicine
2001	Selection Committee, Director of Nuclear Medicine, The George Washington University Medical Center
2001 – 2002	Selection Committee, Director of Radiation Oncology, The George Washington University Medical Center
2001 –present	Resident Selection Committee, Director of Radiology, The George Washington University Medical Center
2000 - present	Executive Committee, Department of Radiology, The George Washington, University Medical Center
2000	Course Director, Practicum in Stereotactic Breast Biopsy and Tissue Acquisition, The George Washington University Medical Center
2000 –present	Director, Fellowship, Breast Imaging and Intervention, The George Washington University Medical Center
2001 –present	Ph.D Dissertation Committee, Jun Yang, Department of Engineering, The George Washington University, Breast Cancer Detection Using Ultrasound Tissue Characterization and Parametric Imaging
2001 –present	Ph.D Dissertation Committee, Yongning (Roy) Zou, Department of Engineering, The George Washington University, Electrical Impedance Imaging for Breast Cancer Detection
2001	Selection Committee, Director Breast Surgery, The George Washington University
2002	Lecturer, Women's Health: Issues and Controversies in the School of Public Health and Health Services, Course

Director: Jehan El-Bayoumi, M.D.

2002 -2018 Interviewer, Admissions Committee, The George Washington University School of Medicine

2003 -2018 Admissions Committee, The George Washington University School of Medicine.

2003 Executive Committee, The George Washington University Hospital

2004 Appointment, Salary and Promotion Policy Committee, The George Washington University

2005-2008 Committee on Admissions and Advanced Standing

2005-2006 Chair, Committee on Admissions and Advanced Standing

2006-2008 Executive Committee, The George Washington University Medical Center

2007-2010 Chair, Expedited Search Committee, The George Washington University Medical Center

2007-2009 Vice Chair, Executive Committee, The George Washington University Medical Center

2009-2010 Presidents Task Force, Global Women's Institute, The George Washington University

2010-2012 Executive Committee, The George Washington University Medical Center

2012 Search Committee, Chairman, Department of Obstetrics and Gynecology, The George Washington University

2012 Search Committee, Dean, The George Washington University School of Medicine and Health Sciences

2013 Search Committee, Chair Department of Ob/Gyn, The George Washington University

2014 Committee Chair, Search Committee for Director of the George Washington Cancer Center

2015 Scientific Leadership Committee, The George Washington

	Cancer Center
2015	Executive Leadership Committee: The George Washington Cancer Center

GRANTS:

Funded:

1993-1997	NCI, Radiologic Diagnostic Oncology Group V: Stereotactic Fine Needle Aspiration Biopsy and Core Needle Biopsy in the Workups of Lesions Detected by Mammography. Principle Investigator: Laurie Fajardo, Role: Site Principle Investigator
1994-1996	USAMR&MC, Innovative developmental and exploratory award, In-vivo microscopic MR Imaging of Breast Lesions. Principle Investigator: Elias A. Zerhouni, Role: Co-investigator
1996	R2 Technologies, Inter-observer Variability in Incremented Improvement in Mammographic Interpretation Using Computer Aided Diagnosis. Role: Principle Investigator
1997	Johns Hopkins Women's Board. High Resolution Real Time Breast Ultrasound.
1997-1998	Dilon Technologies, Inc., Evaluation of High Resolution Small Field of View Scintillation Camera for Breast Lesions. Role: Co-investigator
1998-1999	Breast Cancer Research Foundation, Molecular Assessment of Nipple Aspirate Fluid for Evaluation of Breast Cancer. Principle Investigator: Nancy Davidson. Role: Co-investigator
1997-2000	NIH, Evaluation of MRI in Breast Cancer: A Multi-institutional trial. Site PI: David Bluemke, MD Role: Co-investigator,

1998 – 2000	USAMR&MC, A Role for Lymph Nodes in Node-Negative Breast Cancer. Principle Investigator: Julie R. Lange. Role: Co-investigator
1999 – 2000	Dupont Pharmaceuticals, High Resolution Breast Specific Gamma Camera. Role: Principle Role: PI
1999 – 2000	Dilon Technologies, Pilot Evaluation of High Resolution Breast Specific Gamma Camera. Role: Co-I investigator
1999 – 2001	CADx Medical, Quebec, Canada. Evaluation of Sensitivity of Mammographic Detection of Breast Cancer with Computer Aided Detection, A Multi-Institutional Trial (18 Institutions). Role: Principle Investigator, The Multi-Institutional Trial and Site PI.
2001 – 2004	DupontPharma, Evaluation of Women with Dense Breast and High-Risk of Breast Cancer with Screening High Resolution Scintimammography Role: PI
2001 – 2002	Double-Blind, Placebo-Controlled, Dose Ranging Trial to Evaluate the Efficacy of Atorvastatin on Bone Mineral Density and Markers for Bone Turnover in Postmenopausal Women with Dyslipidemia and at Risk for Osteoporosis. Pfizer Pharmaceuticals Group, Protocol number: A2581049 Role: Investigator
2001-2006	Evaluation of a High Resolution Breast Specific Gamma Camera. Principle Investigator, PI, Dilon Technologies.
2004-2006	The Sensitivity of the T-SCAN 200 ED in the Detection of Breast Cancer in Women Age 30-45, site PI, Trans Scan Corporation
2005-2006	Patient Navigator for Mobile Mammography, Susan G. Komen Foundation Grant 3 04DC0191 Role: PI
2006	Elaine H. Snyder Cancer Research Award
2007-2009	A Multi-Reader Multi-Center clinical study to compare the diagnostic accuracy of the Xpress Digital Mammography System to standard screen-film

mammography .Konica-Minolta PROTOCOL NO:02 WIRB® Protocol #20071884. Pre-IDE number: I070428. Computerized Mammography. Site PI

2008-2012 Identification and Treatment-Monitoring using Advanced Ultrasonic Imaging Methods," Susan G. Komen for the Cure, Co-Investigator

2009 NCT00999596 Protocol No. PMSDR 2008-002.Accuracy of Philips MammoDiagnost DR vs. Screen Film in the Detection of Breast Cancer. Sponsor: Philips Medical. Role Study PI

2009-2011 NCT00816530 A prospective multicenter matched-pair clinical study to evaluate the sensitivity and specificity of ABUS and Digital X-Ray Mammography (XRM) together as a breast cancer screening method compared to XRM alone in women with > 50% parenchymal density. Protocol No 2008002
Project PI. Site PI.

2010-2015 $150,000 annually for support of 2 breast imaging fellowships

2016 Eagle Bank Foundation $750,000 to fund new George Washington University Mammovan

2016- present Brem Foundation to Defeat Breast Cancer $350,000 grant to support 2 breast imaging fellowships and to support care for uninsured women

BIBLIOGRAPHY

Peer Reviewed Journals

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31(2):203, 1982.

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Oct 2016 Interview, updates in Breast Cancer Diagnosis WOKV, Jacksonville, FL

May 2017 ABC 7 Inteview, Lisa Fletcher Stage 0 Breast Cancer http://wjla.com/features/7-on-your-side/is-stage-zero-breast-cancer-really-cancer-7-on-your-side-investigates-the-controversy

Oct 2017 2016 Good Morning Washington, Kiehl's Ride 4 Life to Support the Brem Foundation to Defeat Breast Cancer

http://wjla.com/features/good-morning-washington/kiehls-liferide-for-breast-cancer-with-gilles-marini-katee-sackhoff-and-anthony-carrino

Oct 2017 The Today Show. How a doctor's family history led to her own diagnosis of breast cancer. www.today.com/video/how-a-doctor-s-family-history-led-her-to-diagnose-her-own-breast-cancer-1081113667784

February 2018 Film for Society of Breast Imaging, the importance of screening

May 2018 Filmed tribute to Andrea Roane, for her retirement celebration

June 2018 Filmed for Washington Redskins, Breast Cancer Information video to be shown in October 2018

Oct 2020 Finalist, Webby Awards. Pushback Video, The Brem Foundation

CONGRESSIONAL PRESENTATIONS:

Jun 1997 Senate Subcommittee Testimony, Washington, D.C. Mammography Quality Assurance Act

Oct 1997 Breast Cancer Medical Technology for Women: Moving Towards the 21st Century. Congressional Caucus for Women's Issues, Washington, DC

May 1998 Frontiers in Breast Imaging. Epidemiology of Medical Devices in Women Conference. Center for Devices and Radiological Health & the Food and Drug Administration. Office of Women's Health, Rockville, MD

May 2009 Keeping Abreast of Trends in Mammography. Sponsored by Society of Women's Health Research and The American College of Radiology.

Sep 2009 Congressional Reception to Support the EARLY ACT: Education and Awareness Requires Learning Young. HR 1740

SELECTED PRESENTATIONS:

May 1995 Stereotactic Core Biopsy, Society of Breast Imaging, Orlando, Florida

Nov 1995 Presentation: The History of Women in Radiology, American Association for Women Radiologists, RSNA,Chicago, IL

May 1996 Current Concepts in Breast Cancer Management. Winchester Medical Center, Winchester, VA. Topic: Stereotactic Breast Biopsy: Will it Replace Surgical Biopsy?

May 1996 Core Biopsy vs Surgical Biopsy, InternationalWoman's Fair, Timonium, MD

May 1996 The Diagnosis of Breast Cancer, International Woman's Fair, Timonium, MD

June 1996 Breast Cancer New Developments - Panel Discussion.
Johns Hopkins Medical Institutions, Baltimore, MD

June 1996 Computer Aided Diagnosis of Breast Cancer: Preliminary Results of Clinical Trial. Radiology Grand Rounds. Johns Hopkins Hospital, Baltimore, MD

Aug 1996 Current Issues in Breast Imaging. 38th AnnualEmil Novak Memorial Course - Gynecological Pathology, Gynecology, Endocrinology and High Risk Obstetrics - Lecture, Baltimore, MD

Sept 1996 Risk Factors, Genetics and Early Detection of Breast Cancer. Educational Program and Discussion. Department of Oncology Educational Program, Johns Hopkins Medical Institutions, Baltimore, MD

Nov 1996 Topics in Oncology. New Approaches to Breast Imaging. Johns Hopkins Medical Institutions, Baltimore, MD

Feb 1997 Percutaneous Breast Biopsy. Radiation Oncology

Teacher Conference. John Hopkins Medical Institutions, Baltimore, MD

Mar 1997 New Techniques in the Diagnosis of Breast Cancer. Young Presidents of Corporations, Johns Hopkins Hospital

Mar 1997 Breast Implants and mammographic visualization of mass and microcalcifications: Comparison of Silicone filled and Triglyceride filled breast Implants. Radiology Grand Rounds. Johns Hopkins Medical Institutions, Baltimore, MD

April 1997 Meet the Professor Luncheon Seminar. Diagnosis and Treatment of Neoplastic Disease. Johns Hopkins Medical Institutions, Baltimore, MD

April 1997 Current Concepts in Breast Cancer Management. Stereotactic Breast Biopsy: Will it Replace Surgical Biopsy Medium? Grand Rounds. Winchester Medical Center, Winchester, VA

May 1997 Beyond The Screening Mammogram. Mammography Association of Maryland, Baltimore, MD

May 1997 New Technologies in the Diagnosis of Breast Cancer. Radiology Grand Rounds, Johns Hopkins Medical Institutions, Baltimore, MD

June 1997 New Advances in Diagnosis of Breast Cancer. Johns Hopkins Radiology Biennial. Johns Hopkins Hospital

June 1997 Percutaneous Breast Tissue Removal. Symposium on Minimally Invasive Breast Biopsy. US Surgical Corporation, Danbury, CT

Sept 1997 The Imaging and Diagnosis of Breast Cancer. Breast Cancer Symposium Second Year Medical Student Pathophysiology Course. Johns Hopkins Medical Institutions, Baltimore, MD

Sept 1997 New Developments in the Diagnosis and Imaging of Breast Cancer. Frontiers in Breast Cancer Research, Diagnosis, and Therapy. GeneQuest Infosystems, Washington, DC

Oct 1997 New Developments in the Diagnosis of Breast Cancer. 39th Annual Emil Novak Memorial Course - Gynecological Pathology, Gynecology, Endocrinology and High Risk Obstetrics,

Baltimore, MD

Oct 1997 Educational Seminars in Mammography. Wellnet Employee Program. Johns Hopkins Medical Institutions, Baltimore, MD

Nov 1997 Mammography and it's Implications for Radiation Oncology. Radiation Oncology Teaching Conference. Johns Hopkins Medical Institutions, Baltimore, MD

Oct 1997 Postgraduate Education in Oncology: Breast Cancer. Challenges of Contemporary Oncology. Breast Cancer Awareness Program for Poland, Krakow, Poland

April 1998 Issues in Breast Imaging and Their Significance in Scintimammography. Mid-Eastern Chapter, SNM 28th Annual Meeting, Ocean City, MD

May 1998 Breast Cancer: New Diagnostic Techniques. 4th Annual Women's Fair, Timonium, MD

June 1998 New Diagnostic Techniques: New Radiological and Minimally Invasive Techniques. Early Detection Remains Your Best Chance of Surviving Breast Cancer. Johns Hopkins Medical Institutions, Baltimore, MD

July 1998 Nuclear Medicine Imaging of the Breast. Medical/Surgical Grand Rounds. Montgomery General Hospital, Montgomery, MD

Sept 1998 Breast Cancer: Second Year Pathophysiology Course. Johns Hopkins Medical Institutions, Baltimore, MD

June 1998 Minimally Invasive Breast Biopsy & Intro-operative Lymphatic Mapping Symposium. United States Surgical Corporation, Norwalk, CT

Sept 1998 Dupont Pharmaceuticals Company Medical Imaging Miralumna Advisory Panel, Boston, MA

Oct 1998 Mammography Issues for the 90's-Specialized Mammography/Breast Imaging Symposium for Mammographers. GrandXray, Grand Rapids, Michigan

Oct 1998 Diagnosing Breast Cancer Visiting Faculty Program. Dupont Pharmaceuticals Company, Boston, MA

Aug 1998 Invited Consultant for Mammography Accreditation King Edward VII Memorial Hospital, Hamilton, Bermuda

Sept 1998 Course Director, Percutaneous Breast Biopsy, Elancourt, France. Attended by radiologists and surgeons from France, Italy, Spain and Belgium

Oct 1998 Emerging Technologies in Breast Imaging, Percutaneous Breast Biopsy, and Imaging of Ductal Carcinoma In Situ. Fourth Annual Puerto Rico Breast Cancer Conference, Dorado, Puerto Rico

Oct 1998 Confronting Your Risk of Breast Cancer, Breast Center Seminars, Johns Hopkins Medical Institutions

Oct 1998 New Developments in Breast Imaging. 40th Annual Emil Novak Memorial Course – Gynecological Pathology, Gynecology, Endocrinology and High Risk Obstetrics, Baltimore, MD

Feb 1999 Grand Rounds,Nuclear Medicine, Imaging of the Breast, Bayview Medical Center, Baltimore, Maryland

March 1999 New Developments in Breast Imaging, OB/GYN Grand Rounds, Washington Hospital Center, Washington, DC.

April 1999 Imaging of the Augmented Breast, Plastic Surgery Grand Rounds, Johns Hopkins Medical Institution, Baltimore, MD

April 1999 Fundamentals of Breast Imaging, Division of Nuclear Medicine, Department of Radiology , Johns Hopkins Medical Institutions

Sept 1999 Emerging Technologies in Breast Cancer Diagnosis, Onclogy Tumor Board, Washington Hospital Center, Washington, DC

Sept 1999 New Technology in Biopsying and Treating the Smallest Lesions, Seeking Excellence in Breast Cancer Care: Best Practices in Diagnosis and Treatment, Towson, MD

Oct 1999 New Developments in Breast Cancer Diagnosis, Day of Caring for Breast Cancer Awareness, Timonium, MD

Nov 1999 Read with the Experts: Mammoscintigraphy

Workshop and Reading Sessions, Dupont Pharmaceuticals Baltimore, MD

Dec 1999 Nuclear Medicine Imaging of the Breast: Clinical Utility, Tumor Board, Anne Arundel Medical Center, Annapolis, MD

April 1999 Visiting Professor Department of Radiology, Hadassah Hospital Medical Center, Jerusalem, Israel

Feb 1999 Radionuclide Imaging of the Breast, Visiting Scientist, Dupont Pharmaceuticals, Sawmill, Florida

March 1999 BTI Group Meeting, Dupont Pharmaceuticals, Update on Nuclear Medicine Imaging of the Breast, San Diego, CA

March 1999 BTI Group Meeting, Dupont Pharmaceuticals, High Risk Breast Cancer Patients and Their Management.

April 1999 Detroit Nuclear Radiology Club, Pontiac Osteopathic Hospital, Breast Tumor Imaging, Detroit, Michigan

May 1999 Optimizing the Clinical Utility of Mammoscintigraphy. High Mountain Radiology and Woman's Imaging Center, Hackensack, NJ

Sept 1999 Percutaneous Breast Tissue Acquisition, Philadelphia Mammography Association, Philadelphia, PA

Feb 2000 Mammoscintigraphy; Imaging of Ductal Carcinoma-In-Situ; Minimally Invasive Breast Tissue Acquisition and Case Conference.Smowmass 2000: Clinical Mammography, Educational Symposia, Snowmass, CO

March 2000 New Developments in the Diagnosis of Breast Cancer, Horizon of Hope, Cincinnati, OH

April 2000 Emerging Technologies in Breast Cancer Diagnosis, Case Managers Symposium, Cleveland, OH

May 2000 Ductal Carcinoma-in-Situ, Minimally Invasive Breast Biopsy and Scintimammography, Fourth Annual Breast Imaging Update, University of South Florida Breast Cancer Conference, Key West, FL.

Sept 2000 Emerging Technologies for Breast Cancer Diagnosis, Grand Rounds, Department of Surgery, The George Washington

University Hospital, Washington, DC.

Nov 2000 New Developments in Breast Cancer Diagnosis, The Karen Kimell Memorial Lecture, Department of Medicine, The George Washington University School of Medicine, Washington, DC

Dec 2000 Nuclear Medicine Imaging of the Breast. Southeastern University Research Association, Washington, DC.

May 2000 New Technologies for the Diagnosis of Breast Cancer, Sutter Cancer Center, Sacramento, CA

May 2001 Fifth Annual Breast Imaging Update, University of South Florida Breast Cancer Conference, Key West, FL.

Sept 2001 Breast Diagnosis Update: Imaging and Clinical Issues. Keynote Speaker, Park Nicollet Clinic, S. Louis Park, MN

March 2001 New Developments in Breast Cancer Diagnosis, Pathology Grand Rounds, The George Washington University Medical Center, Washington, DC.

March 2001 Breast Cancer: What New Research Is On The Horizon. International Breast Cancer Conference, Breast Cancer: The Global Perspective, The World Bank, Washington, DC.

Nov 2001 Pathology Teaching Conference, The George Washington University Medical Center, Washington, DC. Vacuum-Assisted Breast Biopsy.

Nov 2001 The Royal College of Radiology Breast Group, Eastbourne, Wales UK. Vacuum Assisted Breast Biopsy

Nov 2001 The Royal College of Radiology Breast Group, Eastbourne, Wales UK. Imaging of Breast Implants

Jan 2002 Computer Aided Detection in Breast Cancer Diagnosis. The Philadelphia Mammography Society, Philadelphia, PA.

Apr 2002 Computer-Aided Detection for the earlier Diagnosis of Breast Cancer. Northeast Radiology, Danbury CT.

April 2002 New Developments in Scintigraphic Breast Imaging, Society of Nuclear Medicine, Mid-Eastern Chapter, Ocean City, MD.

May 2002 Computer Aided Detection for the Improved Detection of Breast Cancer, Northeast Radiology, White Plains, NY

Jun 2002 Novel Approaches to Breast Cancer Diagnosis, for Women's Health: Issues and Controversies, School of Public Health and Health Services

Sept 2002 Visiting Lecturer, National Cancer Institute, Epidemilogy Branch, New Technologies for Breast Cancer Diagnosis: Controversies and Potential Impact with Molecular Biology

Oct 2002 Research Colloquia, The George Washington University, Founders Weekend (University Wide Conference) New Technologies in Breast Cancer Diagnosis.

Oct 2002 Ductal Lavage, Joint DC/MD ACR Annual Meeting, Washington, DC

Oct 2002 Scintimammography, Joint DC/MD ACR Annual Meeting, Washington, DC

Nov 2002 Computer-Aided Detection for Improved Diagnosis of Breast Cancer, New Britain General Hospital, New Britain, CT

Oct 2002 Invited Lecturer, Bristol-Meyers-Squibb, How can We Improve Breast Cancer Diagnosis, Billerica, MA

Nov 2002 The Use of Computer Aided Detection for Breast Cancer Diagnosis, New Britain General Hospital, New Britain, CT

March 2003 Women's Health Congress, Washington, DC

March 2003 Montgomery County Public Television, 2 one-half hour segments. New Developments in Breast Imaging

March 2003 George Washington University Multi-Disciplinary Cancer Conference. New Approaches for the Improved Diagnosis of Breast Cancer, Washington, DC

March 2003 Women In Technology, From Discovery to Commercial

Success: Bringing Biotechnology Solutions to Market, Tysons Corner, VA

April 2003 Computer Aided Detection, American Society of Breast Surgeons, Atlanta, GA, Invited Speaker

May 2003 Six Annual University of South Florida Breast Imaging Update, Key West, FL," Computer Aided Detection" and "Imaging Ductal Carcinoma- in-Situ"

May 2003 Scintimammography: The Comeback Kid, Mammography in the Next Millenium, Sante Fe, NM

June 2003 Tumor Board, The George Washington University, MRI of the Breast

October 2003 New Developments in Breast Cancer Diagnosis, The George Washington University Hospital,

Nov 2003 Imaging Studies for Breast Cancer, Y-Me National Breast cancer Organization, National Capital Area

Feb 2004 Clinical Mammography Symposium, ESI, Copper-Ridge Mountain, CO, invited faculty: Computer aided detection, Ductal carcinoma in situ, nuclear medicine imaging of the breast

April 2004 Nuclear Medicine Imaging of the Breast, New York Roentgen Ray Society, NY, NY

April, 2004 Computer Aided Detection for the Improved Diagnosis of Breast Cancer, New York Roentgen Ray Society, NY, NY

June, 2004 Computer Aided Detection: Past , Present and Future. Radiology Grand Rounds, New Britain General Hospital, New Britain, CT

March 2004 Being a Professional and a Woman: The Impact, Johns Hopkins University Hillel Women's Group, Baltimore, MD

March 2004 Keynote Speaker, The Women's Health Congress, Washington, DC. Breast Cancer Diagnosis: What you need to know.

May 2004 Radiology Board Review, Breast Imaging. Department of Radiology, The Johns Hopkins University Medical Institutions.

Oct 2004 TriCat Women's Centers, Invited Lecture: Computer Aided

Detection for the Improved Diagnosis of Breast Cancer, Methuchen, NJ.

October 2004 Breast Specific Gamma Imaging: State of the Art, Dinner Conference at the Lynn Sage Breast Imaging Conference, Chicago, IL.

October 2004 Optimal Gamma Imaging of the Breast: Clinical Indications and Considerations. IEEE, Workshop on Nuclear Medicine Imaging of the Breast, Rome, Italy.

November 2004 Breast Imaging: MRI. Advances in Diagnostic and Therapeutic Imaging for Cancer. Inova Fairfax Hospital, Falls Church, VA.

December 2004 Visiting Professor, Hadassah Medical Center, Jerusalem, Israel, "Molecular Imaging of the Breast"

January 2005 Physiologic Imaging of the Breast, Philadelphia Mammography Society, Methodist Hospital, Philadelphia, PA

January 2005 Featured Speaker, Deans Tea, School of Engineering and Applied Sciences, The George Washington University.

February 2005 New Technologies for the Improved Diagnosis of Breast Cancer, Oncology Interest Group, The George Washington University School of Medicine

March 2005 Magnetic Resonance Imaging of the Breast: District of Columbia Chapter, American College of Radiology, Washington, DC

March 2005 Women in Medicine, How we do it all. Undergraduate Forum, Brandeis University, Waltham, MA

April 2005 Seventh Annual University of South Florida Breast Imaging Update, Key West, FL," Computer Aided Detection" and "Imaging Ductal Carcinoma- in-Situ"

May 2005 Radiology Board Review, Breast Imaging, The Johns Hopkins Department of Radiology, Baltimore, MD.

Oct 2005 Ob/Gyn Grand Rounds: New Technologies for Breast Cancer Diagnosis

Oct 2005 Alumni Day, George Washington University School of Medicine, New Technologies in Breast Cancer Diagnosis

Nov 2005 Radiology, Grand Rounds: Jefferson University School of Medicine. Molecular Breast Imaging

Nov 2005 Medical Grand Rounds, Bradley Hospital, Connecticut

Nov 2005 Medical Grand Rounds, New Britain Hospital, New Britain, Connecticut

Feb 2006 Medical Student and Resident Education, Ob/Gyn, The George Washington University Medical Center

March 2006 Oncology Grand Rounds, The George Washington University Medical Center, "Molecular Breast Imaging"

March 2006 Endocrinology Grand Rounds, The George Washington University Medical Center, "New Techniques for Breast Cancer Diagnosis"

Oct 2006 Breast Specific Gamma Imaging, The Northwestern Breast Conference, Chicago, IL

Jan 2007 Physiological Imaging of the Breast. Grand Rounds, Maimonides Medical Center, Multi-Disciplinary Breast Conference, New York, NY

Feb 2007 Visiting Professor, Department of Radiology,Georgetown University Medical Center, Radiology Grand Rounds, "Nuclear Medicine Imaging of the Breast".

April 2007 Eighth Annual University of South Florida Breast Imaging Update, Key West, FL," Computer Aided Detection" and "Imaging Ductal Carcinoma- in-Situ" and "Nuclear Medicine Imaging of the Breast"

May 2007 Visiting Professor, Department of Radiology,University of Maryland Medical Center, Radiology Grand Rounds, "Nuclear Medicine Imaging of the Breast".

May 2007 H. LEONARD WARRES, M.D. Lecturer, University of Maryland Medical Center, Baltimore, MD. "Breast Specific Gamma Imaging, a Novel Approach to Breast Cancer Diagnosis."

May 2007 Visiting Professor, University of Florida, Shands Medical Center, Gainesville, FL "Breast-Specific Gamma Imaging: A Novel Approach to Breast Cancer Diagnosis."

Sept 2007 Metropolitan Breast Group, Memorial Sloane Kettering Medical Center. New York, NY. “Breast Specific Gamma Imaging, a Novel Approach to Breast Cancer Diagnosis.”

Oct 2007 International Breast Imaging Conference, Northwestern University, Chicago Illinois. “Breast Specific Gamma Imaging, a Novel Approach to Breast Cancer Diagnosis.”

Feb 2008 The 13th Annual Multidisciplinary Symposium on Breast Disease, University of Florida, Amelia Island Florida. “Computer Aided Detection for the Diagnosis of Breast Cancer” and “Minimally Invasive Breast Biopsy”

March 2008 The Stanford Depart of Radiology 9th Annual Advanced Breast Imaging and Interventions. Las Vegas, NV, “Correlating Mammo, US, MRI and Nuclear Medicine Cases. “Nuclear Medicine Imaging and Integration to a FFDM/US Breast Center” and Needle Localization and Biopsy after a Positive Nuclear Medicine Exam”

May 2008 Society for Women's Health Research Congressional Briefing, Mammography in the United States, Washington, DC

Sept 2008 The Chicago International Breast Conference, Chicago, Il. Nuclear Medicine Imaging of the Breast and Computer Aided Detection.

Sept 2008 University of Pennsylvania Breast and Body MRI, Washington, DC. Minimally Invasive Breast Biopsy, Nuclear Medicine Imaging of the Breast, Utilization of Breast MRI in Clinical Practice and Birads for Breast MRI

Sept 2008 Presentation of Medical Advisory Panel, Philips Medical, Washington, DC, Nuclear Medicine Imaging of the Breast

Nov 2008 Relationship between Industry and Academics. Refresher Course, RSNA 2008. Discussant and Panelist

Nov 2008 Selection for Media Presentation: Invasive Lobular Carcinoma: Detection with Mammography, Ultrasound, MRI and BSGI. RSNA 2008

Feb 2009 Visiting Professor, Mt Sinai School of Medicine, New York, NY. “New Approaches to the Improved Diagnosis of Breast Cancer”

May 2009 Advances in Breast Health, "Breast MRI: Who, When , Why and How", Holy Cross Hospital, Silver Spring, MD

May 2009 Invited speaker, Scientific Symposium, Columbia University College of Physicians and Surgeons, Reunion Weekend. " Breast Imaging Over the Past 25 Years"

June 2009 Invited Speaker, Computer Aided Detection in Breast Cancer Diagnosis, CARS (Computer Assisted Radiology and Surgery), 23rd International Congress, Berlin, Germany

June 2009 Director, US Israel Breast Imaging Update. Jerusalem, Israel. 8 Lectures

Oct 2009 Virginia Oncology Associates, Norfolk , VA. Novel Physiologic Approaches to Breast Cancer Diagnosis.

Oct 2009 Breast Multidisciplinary Conference, Sentara Hospital, Newport News, VA: Breast Specific Gamma Imaging, A Novel Approach to Breast Cancer Detection and Diagnosis.

Oct 2009 Nuclear Medicine Imaging of the Breast: How When and Why and Computer Aided Detection in Breast Cancer Diagnosis: Now and the Future. Screening Mammography Forum 2009, University of British Columbia, Vancouver, Canada

Oct 2009 The Wellness Community, Bethesda, MD. New Technologies for Breast Cancer Detection

Oct 2009 Niners for a Cure, Kenwood Country Club, The GW Mammovan Program

Nov 2009 Detroit Radiology Metropolitan Nuclear Radiology Club. "Breast Cancer Diagnosis and Interventions with Nuclear Imaging.

Nov 2009 Visiting Professor, Lahey Clinic, Burlington, MA. Grand Rounds: Breast Specific Gamma Imaging. A Novel Approach to Breast Cancer Diagnosis

Nov 2009 Media Interviews. Fox News, NBC, The Early Show (CBS), WTOP Radio. United States Preventative Services Task Force. New Mammography Guidelines.

Dec2009 Nuclear Medicine Imaging of the Breast: A Novel Approach to Breast Cancer Diagnosis and Computer Aided Detection of Breast Cancer. National Diagnostic Imaging Symposium, Orlando ,

FL

Feb2010 Congressional Families Cancer Prevention Program. Prevent Cancer Foundation, Washington, DC

March 2010 Visiting Professor, Department of Radiology, Columbia Presbyterian Medical Center, New York, NY

March 2010 Nuclear Medicine Imaging of the Breast. European College of Radiology, 2010, Vienna Austria

March 2010 Frontiers in Women's Health: Hormones, Wine, Soy and Such. The Impact of Herbal supplements and Nutrition in Breast Cancer Risk., The George Washington University

April 2010 Visiting Professor, Department of Radiology,University of California, San Diego. San Diego, CA

June 2010 Visiting Professor, Department of Radiology, Brigham and Women's Hospital, Harvard Medical School,Boston, MA

June 2010 Keynote Speaker, Biannual Meeting, Connecticut Radiological Society, New Haven, CT. Screening for Breast Cancer by Risk Stratification.

Aug 2010 Oncology Grand Rounds, Monmouth Medical Center, West Longbranch, NJ. BSGI, A Novel Approach to Breast Cancer Detection

Sept 2010 Physiologic Imaging of the Breast: New Approaches to Breast Cancer Detection, Philips Medical Imaging Symposium, Tel Aviv, Israel

Sept 2010 Molecular Imaging of The Breast: A Novel Approach to Breast Cancer Detection. Philips Medical Solutions. Haifa , Israel.

Oct 2010 Breast Cancer Update. Northern Westchester Medical Center, BSGI: A novel approach to breast cancer diagnosis.

Oct 2010 Computer Services Corporation, Falls Church, VA. Breast Cancer: What is New and What Can I do.

Jan 2011 Comprehensive Breast Centers of Excellence, West Palm Beach , FL. Risk Based Screening: Now and the Future and Workflow Issues in Breast Imaging: How to Optimize Efficiency.

Feb 2011 The 16th Annual Multidisciplinary Symposium on Breast Disease. The University of Florida College of Medicine and The Moffitt Cancer Center. Amelia Island, Florida. Risk Based Screening: The Current and the Future.

March 2011 Eliminating Breast cancer Health Disparities: Communicating to At-Risk Populations. Moderator. Sponsored by Friends of Cancer Research, Avon Foundation for Women and The George Washington University Medical Faculty Associates. Washington, DC.

April 2011 Course Director, Breast Imaging in the Capitol. The Grand Westin, Washington, DC (4 day comprehensive conference on breast imaging)

April 2011 Keynote Speaker, Opening of the Greenenbaum Breast Imaging Center, Hadassah University Medical Center, Jerusalem, Israel

May 2011 Nuclear Medicine Grand Rounds, Nuclear Medicine Imaging of the Breast, Stanford University Medical Center, Palo Alto, CA

May 2011 Cancer Detective, Featured Guest, The Dr. Oz Show, New York, NY

July 2011 Course Director, Second US Israel Breast Imaging Update. Sheba Medical Center, Tel Hashomer, Israel.

Nov 2011 Refresher Course, RSNA 2011. High Resolution Nuclear Medicine imaging of the Breast, Chicago, Ill.

Nov 2011 Refresher Course, RSNA 2011. Ultrasound Guided Interventional Procedure.

March 2012 Visiting Professor . Peking Union Medical College Hospital, Beijing, China

March 2012 Guest Speaker, American Institute of Radiologic Pathology, Silver Spring Maryland

March 2012 Visiting Professor, University of Louisville, Louisville, Kentucky

March 2012 Guest Speaker, Greater Louisville Radiological Society, Louisville , Kentucky. “Nuclear Medicine Imaging of the Breast.”

April 2012	Visiting Professor, William Beaumont Medical Center, Royal Oak, MI. “Interesting Cases”, “Nuclear Medicine Imaging of the Breast”, “Breast MRI”
April 2012	FDA Advisory Panel. Automated Breast Ultrasound. Presentation of Clinical Need, Education and Pivotal Reader Study. Vote 13-0 to recommend approval
Nov 2012	Refresher Course, RSNA 2012. High Resolution Nuclear Medicine Imaging of the Breast. Chicago, Ill.
Nov 2012	Refresher Course, RSNA 2012. Ultrasound Guided Interventional Procedure.
April 2013	Society of Breast Imaging, Los Angeles, CA. Biopsy Tips and Tricks
April 2013	Practical Breast MRI, Philadelphia, PA . Breast Density: Implications, Whole Breast Ultrasound Screening, Breast Specific Gamma Imaging.
July 2013	Keynote Speaker, Kick-off luncheon, Making Strides Against Breast Cancer, American Cancer Society, Washington, DC
Oct 2013	Director, 3rd Biennial US Israel Breast Imaging Update, Tel Hashomer Medical Center, Tel Aviv Israel
Oct 2013	Speaker at La Vita e Bella in Rosa , Italian Embassy, to support the GW Mammovan
January 2014	Automated Whole Breast Ultrasound and Life Work Balence, Department of Radiology, Cornell University School of Medicine, NY, NY.
March 2014	Screening Breast Ultrasound, Asymmetries and Breast Density. iiCME conference, Naples, FL
May 2014	Avon Foundation Webinar, New Technologies in Breast Cancer Imaging
May 2014	Course Director, Breast Imaging in the Nation’s Capitol. Washington, DC
June 2014	Surveillence for Women with BRCA mutations. FORCE Conference, Philadelphia, PA

June 2014 Workshop for Patient Access, The Alliance for Patient Access. Chicago, IL. Proceedings at: Oncology Therapy Access Physicians Working Group - a policy resource re: access to cancer therapies. http://t.co/8BGeLp2Udj

Oct 2014 Blush Luncheon. The Mammovan. Why it is important. Washington DC

Jan 2015 New Technologies for Breast Cancer Detection. American Society of General Surgeons. Washington, DC..

Feb 2015 Breast Cancer: What I need to know.Kiehl's Skincare National Sales Meeting. New Orleans LA

Feb 2015 20th Annual Multidisciplinary Symposium on Breast Disease. University of Florida. Amelia Island, Florida. Director, Pre-Course Workshop on Breast Imaging

Feb 2015 20th Annual Multidisciplinary Symposium on Breast Disease. University of Florida. Amelia Island, Florida. Screening Breast Ultrasound

Feb 2015 Oncology Grand Rounds, The George Washington University. Breast Cancer, Breast Density and the Law

March 2015 Screening Breast Ultrasound. National Consortium of Breast Centers. Las Vegas Nevada

April 2015 Society of Breast Imaging National Meeting, Orlando Fl, Complex Multi-Modality Cases

June 2015 Strategies for Breast Cancer Surveillance in BRCA positive Women (and Men). FORCE Conference (Facing our Risk of Cancer). Philadelphia , PA.

July 2015 National Student Leadership Conference, Washington DC. Career Strategies: What I have Learned from My Personal Experiences.

Nov 2015 National Electronic Manufacturers Association (NEMA) National meeting,Washington, DC. Breast Cancer Screening and Academic/Industry Collaborations.

Oct 2015 Mt Sinai Update in Breast Imaging: 2015, New York NY Faculty

Nov 2015 Mid Atlantic Breast Consortium, Cosmos Club, Washington, DC. The New Breast Cancer Screening Recommendations and Risk Based Screening.

Dec 2015 World Class National Diagnostic Imaging Symposium, Orlando, FL
Faculty in Breast Imaging

Jan 2016 Keynote Speaker, DC Chapter of American College of Radiology, Breast Cancer Screening: What Now. Cosmos Club, Washington, DC

April 2016 New Horizons in Breast Imaging, Washington, DC.

April 2016 Society of Breast Imaging, Conference Faculty.

June 2016 Course Director, Breast Imaging in the Nation's Capitol, Hyatt Regency, Washington, DC

June 2016 Keynote Speaker, Dialogue for Action, The Prevent Cancer Foundation, Baltimore, MD

July 2016 Visiting Professor, The Rambam Medical Center, Technion , Haifa, Israel

Oct 2016 FORCE: Facing our Risk of Cancer. Annual Convention of Women with Genetic Increased Risk of Cancer, Orlando FL

Oct 2016 Mt Sinai Update in Breast Imaging 2016. New York , NY

Nov 2016 RSNA, Keynote Address, Chicago Ill

Dec 2016 New York University, Imaging Head To Toe, Faculty, New York, NY

April 2017 Society of Breast Imaging, Los Angeles California

May 2017 Hologic Scientific Advisory Board, Chicago IL

June 2017 Los Angeles Radiological Society. Pasedena CA

June 2017 Facing Our Risk of Cancer Empowered (FORCE) Annual Conference, Orlando, FL

Oct 2017 Mt Sinai Breast Imaging Conference, New York, NY

April 2018 ARRS annual Meeting. Breast Cancer Screening, panel discussion

May 2018 Visiting Professor, Rabin Medical Center, Tel Aviv Israel

Nov 2018 Keynote Speaker, Michigan Radiological Society, Detroit MI

Nov 2018 Visiting Professor, Agostino Gemelli University Polyclinic, Rome, Italy

Mar 2019 Keynote Speaker, Michigan State University Department of Radiology

May 2020 CoVID-19: Breast Imaging, Impact, Challenges and Opportunities. Panel Discussion part of Innovators in Breast Ultrasound Webinar Series. World Class CME.

June 2020 Leadership Through Adversity. Carly Fiorina, Rachel Brem, Andrea Wolf. Brem Foundation Empower Hour

June 2020 Fearlessness and Innovation: The risk of not taking a risk. Jean Case, Rachel Brem, Andrea Wolf. Brem Foundation Empower Hour

June 2020 Voting, Civic Engagement and Health. Valerie Jarrett, Rachel Brem, Andrea Wolf. Brem Foundation Empower Hour

July 2020 Positivity, Antifragility and the fight again Breast Cancer and Covid-19. Tal Ben-Shahar, Rachel Brem, Andrea Wolf. Brem Foundation Empower Hour

Oct 2020 Zeta Phi Beta National Black Women's Sorority. Health Disparities in Breast Cancer

Oct 2020 Tower Companies. The importance of early detection and risk based screening for breast cancer.

Oct 2020 Protivity, Alexandria, VA The importance of early detection and risk based screening for breast cancer.

Jan 2021 JP Morgan 21 Healthcare Conference. Private Track 2B. Delphinus. San Fransisco, CA (virtually)