

CIRRICULUM VITAE
University of Pittsburgh
Department of Radiology

Name:	Margarita Louise Zuley, M.D., FACR	Birth Date:	August 1, 1965
Home Address:	1344 Princeton Place Wexford, PA 15090	Birth Place:	New Castle, PA
Home Phone:	724-799-8117	Citizenship:	U.S.A.
Business Address:	Magee-Womens Hospital of UPMC Breast Imaging 300 Halket Street Pittsburgh, PA 15213	E-mail:	zuleyml@upmc.edu
Business Phone:	412-641-4709	Business Fax:	412-641-1414

EDUCATION AND TRAINING

Undergraduate

1983-1987	University of Notre Dame South Bend, Indiana	Bachelor of Science, <i>cum laude</i>
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Postgraduate

1987-1991	University of Pittsburgh School of Medicine Pittsburgh, PA	Doctor of Medicine
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1991-1992	Department of Internal Medicine University of Pittsburgh Medical Center Pittsburgh, PA	Internship
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1992-1996	Department of Radiology University of Pittsburgh Medical Center Pittsburgh, PA	Residency
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1995-1996	Department of Radiology University of Pittsburgh Medical Center Pittsburgh, PA	Chief Resident
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1996-1997	Department of Radiology University of Pittsburgh Medical Center Pittsburgh, PA	Women's Imaging Fellowship
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APPOINTMENTS AND POSITIONS

Academic:

1997-1997	Department of Radiology University of Pittsburgh School of Medicine	Visiting Clinical Instructor
1997-1999	Department of Radiology University of Pittsburgh School of Medicine	Assistant Professor
1999-2006	The Elizabeth Wende Breast Clinic Rochester, NY	Staff Radiologist
2004-2007	University of Rochester School of Medicine and Dentistry Rochester, NY	Clinical Assistant Professor
2007-2009	Department of Radiology University of Pittsburgh School of Medicine	Visiting Associate Professor
2007-2014	Department of Radiology University of Pittsburgh School of Medicine	Section Chief, Breast Imaging
2009-2014	Department of Radiology University of Pittsburgh School of Medicine	Associate Professor
2012-present	Breast Imaging Quality Committee University of Pittsburgh Medical Center	Director
2014-present	Department of Radiology University of Pittsburgh School of Medicine	Division Chief, Breast Imaging
2014-present	Department of Radiology University of Pittsburgh School of Medicine	Vice Chair of Quality Assurance and Strategic Development
2014-present	Department of Radiology University of Pittsburgh School of Medicine	Professor
2016-2018	Department of Radiology UPMC Bedford University of Pittsburgh Medical Center	Interim Department Chair

CERTIFICATION and LICENSURE

SPECIALTY CERTIFICATION:

Diplomat of the National Board of Medical Examiners	1993
American Board of Radiology	1996

PROFESSIONAL LICENSURE

Pennsylvania	MD057924L	1995
New York		1999

MEMBERSHIPS IN PROFESSIONAL AND SCIENTIFIC SOCIETIES

American Roentgen Ray Society	1996-2022
Radiological Society of North America	1997-present
American College of Radiology	1997-present
Rochester Roentgen Ray Society	1999-2007
Monroe County Medical Society	1999-2007
New York Radiological Society	1999-2007
Society of Breast Imaging	2000-present
American Medical Association	2000-present
Pennsylvania Radiological Society	2007-present
Pittsburgh Mammography Society	2007-present

AWARDS AND HONORS

Local:

2011	1st Divisional Teaching Award – Women’s Imaging from the Radiology Residents of UPMC
2012	Divisional Teaching Award – Women’s Imaging from the Radiology Residents of UPMC
2012	UPMC Award for Commitment and Excellence in Service (ACES)
2013	Divisional Teaching Award – Women’s Imaging from the Radiology Residents of UPMC
2014	Honored Faculty University of Pittsburgh
2015	Divisional Teaching Award – Women’s Imaging

From the Radiology Residents of UPMC

- 2016 Divisional Teaching Award – Women’s Imaging from the Radiology Residents of UPMC
- 2017 Divisional Teaching Award – Women’s Imaging from the Radiology Residents of UPMC
- 2018 Divisional Teaching Award – Women’s Imaging from the Radiology Residents of UPMC

National:

- 2012 Fellow Society of Breast Imaging (FSBI)
- 2016 Fellow American College of Radiology (FACR)

PUBLICATIONS

Scientific Articles (* indicates first author was trainee mentored by Dr Zuley)

1. Good W, Sumkin JH, Dash N, Johns C, Zuley ML, Rockette HE, Gur D. *Observer Sensitivity to Small Differences: A Multipoint Rank-Order Experiment. AJR, August 1999, 173:275-278.*
2. Destounis SV, DiNitto P, Logan-Young W, Bonaccio E, Zuley ML, Willison KM. Can computer-aided detection with double reading of screening mammograms help decrease the false-negative rate? Initial experience. *Radiology. 232(2):578-84, 2004 Aug.*
3. Stojadinovic A, Nissan A, Gallimidi Z, Lenington S, Logan W, Zuley ML, Yeshaya A, Shimonov M, Melloui M, Fields S, Allweis T, Ginor R, Gur D, Shriver CD. Electrical Impedance Scanning for the Early Detection of Breast Cancer in Young Women: Preliminary Results of a Multicenter Prospective Clinical Trial. *Journal of Clinical Oncology. 2005 April 20;23(12):2703-15.*
4. Zuley ML, Willison KM, Bonaccio E, Miller DP, Leong DL, Seifert PJ, Somerville P, Destounis S. Full-Field Digital Mammography on LCD Versus CRT Monitors. *American Journal of Roentgenology. 187(6); 2006.*
5. Zheng B, Zuley ML, Sumkin JH, Catullo V, Abrams G, Rathfon G, Chough D, Gruss M, Gur D, Detection of breast abnormalities using a prototype electrical impedance spectroscopy system: a preliminary study. *Medical Physics 2008 Jul;35(7):3041-3048.*
6. Gur D, Abrams GS, Chough DM, Ganott MA, Hakim CM, Perrin RL, Rathfon GY, Sumkin JH, Zuley ML, Bandos AI. Digital Breast Tomosynthesis: Observer Performance Study. *American Journal of Roentgenology. 2009; 193:586-591.*
7. Schiffhauer LM, Boger JN, Bonfiglio TA, Zavislan JM, Zuley M, Fox, CA. Confocal microscopy of unfixed breast needle core biopsies: a comparison to fixed and stained sections. *BMC Cancer 2009, 9:265.*

8. Zuley ML, Bandos AI, Abrams GS, Cohen C, Hakim CM, Sumkin JH, Drescher J, Rockette HE, Gur D. Time to diagnosis and performance levels during repeat interpretations of digital breast Tomosynthesis: preliminary observations. *Academic Radiology* 2010 17(4) 450-5.
9. Gur D, Bando AL, Rockette HE, Zuley ML, Hakim CM, Chough DM, Ganott MA, Sumkin JH. IS an ROC-type response truly always better than a binary response in observer performance studies? *Academic Radiology* 2010 May 17(5):639-45.
10. Hakim CM, Chough DM, Ganott MA, Sumkin JH, Zuley ML, Gur D. Digital Breast Tomosynthesis in the Diagnostic Environment: A subjective Side by Side Review. *American Journal of Roentgenology* 2010:195;172-176.
11. Zheng B, Sumkin JH, Zuley ML, Lederman D, Wang X, Gur D. Computer-aided detection of breast masses depicted on full-field digital mammograms: a performance assessment. *British Journal of Radiology* 2011;1-9.DOI: 10.1259/bjr/51461617.
12. *Spangler ML, Zuley ML, Sumkin JH, Abrams G, Ganott MA, Hakim C, Perrin R, Chough DM, Shah R, Gur D. Detection and classification of calcifications on digital breast Tomosynthesis and 2D digital mammography: A comparison". *American Journal of Roentgenology* 2011; 196:320-324.
13. Gur D, Bandos AI, Rockette HE, Zuley ML, Sumkin JH, Chough DM, Hakim CM. Localized detection and classification of abnormalities on FFDM and Tomosynthesis examinations rated under an FROC paradigm. *American Journal of Roentgenology*. 2011; 186:737-741.
14. Zheng B, Lederman D, Sumkin JH, Zuley ML, Gruss MZ, Lovy LS, Gur D. A preliminary evaluation of multi-probe resonance frequency electrical impedance-based measurements of the breast. *Academic Radiology*; 2011:18;221-229.
15. McGuire KP, Toro-Burguete J, Dang H, Young J, Soran A, Zuley M, Bharagava M, Bonaventura M, Johnson R, Ahrendt G. MRI Staging after Neoadjuvant Chemotherapy for Breast Cancer: Does Tumor Biology Affect Accuracy? *Annals of Surgical Oncology*. 2011; 18:3149-3154.
16. *Lee KA, Chivukula M, Choksi N, Ganott M, Sumkin J, Zuley M. Risk of malignancy when microscopic radial scars and microscopic papillomas are found at percutaneous biopsy. *American Journal of Roentgenology*. 2012; 198: W141-145.
17. Shelby RA, Keefe FJ, Soo MS, Skinner CS, Stinnett S, Luce MF, Zuley ML, Sumkin JH, Bovbjerg DH. Psychological factors associated with self-reported breast pain prior to routine mammography in breast cancer survivors and women without a history of cancer. *Annual of Behavioral Medicine*. 2011;41: S160-S160.
18. Gur D, Zuley ML, Anello MI, Rathfon GY, Chough DM, Ganott MA, Hakim CM, Wallace L, Lu A, Bandos AI. Dose Reduction in Digital Breast Tomosynthesis (DBT) Screening using Synthetically Reconstructed Projection Images. An Observer Performance Study. *Academic Radiology* 2012 Feb; 19(2):166-71.
19. Rubin PJ, Coon D, Zuley M, Toy J, Asano Y, Kunita M, Aoi N, Harii K, Yoshimura K. Mammographic Changes After Fat Transfer to the Breast Compared with Changes After Breast Reduction: A Blinded Study. *Plastic and Reconstructive Surgery*. 2012; 129:1029-1038. DOI: 10.1097/PRS0b13e31824a2a8e.
20. Gallas BD, Chan H-P, D'Orsi CJ, Dodd LE, Giger ML, Gur D, Krupinski EA, Metz CE, Myers KJ, Obuchowski NA, Sahiner B, Toledano AY, Zuley ML. Evaluating Imaging and computer-aided detection and diagnosis devices at the FDA. *Academic Radiology* 2012:19:463-477.

21. Zheng B, Sumkin JH, Zuley ML, Wang X, Klym AH, Gur D. Bilateral mammographic density asymmetry and breast cancer risk: A preliminary assessment. *European Journal of Radiology*. 2012; 81 (11); 3222-3228. doi.org/10.1016/j.ejrad.2012.04.018.
22. Zheng B, Sumkin JH, Zuley ML, Lederman D, Wang X, Gur D. Computer-aided detection of breast masses depicted on full-field digital mammograms: a performance assessment. *British Journal of Radiology*. 2012;85: E153-E161.
23. Gur D, Zuley ML, Anello MA, Rathfon GY, Chough DM, Ganott MA, Hakim CM. Dose reduction in DBT screening using synthetically reconstructed projection images: an observer performance study. *Academic Radiology*. 2012 Feb;19(2):166-71.
24. Zuley ML, Bandos AI, Ganott M, Sumkin JH, Kelly AE, Catullo VJ, Rathfon GY, Lu AH, Gur D. Digital Breast Tomosynthesis versus Supplemental Diagnostic Mammographic Views for Evaluation of Noncalcified Breast Lesions. *Radiology* 2013;266:89-95. Re-published: *Radiology Select Vol 8: Breast Imaging Beyond Mammographic Screening*; 2016.
25. *Majewski SA, Zuley ML, Pinnamaneni N, Ganott MA. Frequency of Carcinoma at Secondary Imaging-Guided Percutaneous Breast Biopsy Performed After a High-Risk Pathologic Result at Primary Biopsy. *American Journal of Radiology*. 2013; 201:439-447.
26. Shelby RA, Edmond SN, Soo, MS, Keefe FJ, Ahrendt GM, Sumkin J, Zuley M, Bovbjerg DH. Persistent Post-surgical pain following breast conserving surgery: Levels of pain and psychosocial factors. *Ann Behav Med*;47:S189, April 2014.
27. Ganott M, Zuley M, Abrams G, Lu A, Kelly A, Sumkin JH, Chivukula M, Carter G, Austin RM, Bandos A. Ultrasound Guided Core Biopsy versus Fine Needle Aspiration for Evaluation of Axillary Lymphadenopathy in Patients with Breast Cancer. *ISRN Oncology*. 2014, 2014. Doi:10.1155/2014/703160.
28. Zuley ML, Rudzinski S. Interpretative Traps when Imaging the Augmented, Reduced or Treated Breast. *American Journal of Roentgenology*. 2014.
29. Zuley ML, Guo B, Catullo VJ, Chough DM, Kelly AE, Lu AH, Rathfon GY, Spangler ML, Sumkin JH, Wallace LP, Bandos AI. Comparison of Two-dimensional Synthesized Mammograms versus Original Digital Mammograms Alone and in Combination with Tomosynthesis Images. *Radiology* 2014;271:664-671. Re-published: *Radiology Select Vol 8: Breast Imaging Beyond Mammographic Screening*; 2016).
30. *Sharek D, Zuley ML, Soran A, Ahrendt GM, Ganott MA. Radioactive Seed Localization versus Wire Localization for Lumpectomies: A Comparison of Outcomes". *American Journal of Roentgenology*. 2015 Apr;204(4):872-7.
31. Rao A, Net J, Brandt K, Huang E, Freymann J, Burnside E, Kirby J, Morris E, Bonaccio E, Giger M, Jaffe C, Ganott M, Sutton E, Le-Pretross H, Zuley M, Dogan B, Whitman G. TU-CD-BRB-07: Identification of associations between radiologist-annotated imaging features and genomic alterations in breast invasive carcinoma, A TCGA phenotype research group study. *Medical Physics*. 2015 June; 42(6):3603. PMID 26128891.
32. Sumkin JH, Ganott MA, Chough DM, Catullo VJ, Zuley ML, Shinde DD, Hakim CM, Bandos AI, Gur D. Recall rate reduction with tomosynthesis during baseline screening examinations: An assessment from a prospective trial. *Academic Radiology*. 2015 Dec;22(12):1477-82.

33. Li H, Zhu Y, Burnside E, Huang E, Drukker K, Hoadley K, Fan C, Conzen S, Zuley M, Net J, Sutton E, Whitman G, Morris E, Perou C, Ji Yuan. Quantitative MRI radiomics in the prediction of molecular classifications of breast cancer subtypes in the TCGA/TCIA data set. *Breast Cancer*. 2016. doi:10.1038/npjbcancer.2016.12.
34. Burnside ES, Drukker K, Hui L, Bonaccio E, Zuley M, Ganott M, Net JM, Sutton EJ, Brandt KR, etc. Using computer-extracted image phenotypes from tumors on breast magnetic resonance imaging to predict breast cancer pathologic stage. *Cancer*. 2016;122: 748-757. Doi:1022/cncr29791.
35. Wu S, Berg WA, Zuley ML, Kurland BF, Jankowitz RC, Nishikawa R, Gur D, Sumkin JH. Breast MRI contrast enhancement kinetics of normal parenchyma correlate with presence of breast cancer. *Breast Cancer Research* 2016; Jul 18:76. DOI 10.1186/s 13058-016-0734-0.
36. Edmond SN, Shelby RA, Keefe FJ, Fisher MH, Schmidt JE, Soo MS, Skinner CS, Ahrendt GM, Manculich J, Sumkin JH, Zuley ML, Bovbjerg DH. Persistent breast pain among women with histories of breast conserving surgery for breast cancer compared to women without histories of breast surgery or cancer. *Clinical Journal Pain*. 2017;33;51-56. Doi:10.1087
37. Lee CS, Chatfield M, Debapriya S, Sickles E, Burnside ES, Burselson J, Zuley ML. Association of Patient Age With Outcomes of Current Era Large-Scale Screening Mammography: Analysis of Data from the National Mammography Database. *Journal of the American Medical Association Oncology*. 2017. doi:10.1001/jamaoncol
38. Wu S, Zuley M, Berg WA, Kurland B, Jankowitz R, Sumkin J, Gur D. DCE-MRI background Parenchymal Enhancement Quantified from an Early versus Delayed Post-Contrast Sequence: Association with Breast Cancer. *Scientific Reports* 7, Article number:2115(2017) doi:10.1038/s41598-017-02341-8
39. Lee J, Nishikawa RM, Reiser I, Zuley ML, Boone JM. Lack of agreement between radiologist: Implications for image-based model observe. *J Med Imaging (Bellingham)* 4 (2), 025502.2017 May 03/DOI:10.1117/1.JM1.42.025502.
40. Sutton EJ, Huang EP, Drukker K, Burnside ES, Li H, Net JM, Rao A, Whitman GJ, Zuley M, Ganott M, Bonaccio E. Breast MRI radiomics: comparison of computer-and human-extracted imaging phenotypes. *European radiology experimental*. 2017 Dec;1(1):1-0.
41. Zuley ML, Nishikawa RM, Lee CS, Burnside E, Rosenberg R, Sickles EA, Berg W, Leung J, Harvey J, Sengupta D, Gur D. Linkage of the acr national mammography database to the network of state cancer registries: Proof of concept evaluation by the ACR national mammography database committee. *Journal of the American College of Radiology*. 2019 Jan 1;16(1):8-14.
42. Aboutalib SS, Mohamed AA, Berg WA, Zuley ML, Sumkin JH, Wu S. Deep Learning to Distinguish Recalled but Benign Mammography Images in Breast Cancer Screening. *Clinical Cancer Research*. 2018 Dec 1;24(23):5902-5909.
43. *Oligane HC, Berg WA, Bandos AI, Chen SS, Sohrabi S, Anello M, Zuley ML. Grouped Amorphous Calcifications at Mammography: Frequently Atypical but Rarely Associated with Aggressive Malignancy. *Radiology*. 2018; 288(3):671-679. doi: 10.1148/radiol.2018172406.
44. Sumkin A, Magnetta MJ, Anderson R, Farkas D, Zuley M, Orons P, Hughes M. Development and Assessment of a Multidisciplinary Radiology Contrast Reaction Training Course: Our Experience and Future Directions. *Current Problems in Diagnostic Radiology*. 2018;47(5):290-292.

45. Lehrer M, Bhadra A, Aithala S, Ravikumar V, Zheng Y, Dogan B, Bonaccio E, Burnside ES, Morris E, Sutton E, Whitman GJ, Net J, Brandt K, Ganott M, Zuley M, Rao A; TCGA Breast Phenotype Research Group. High-dimensional regression analysis links magnetic resonance imaging features and protein expression and signaling pathway alterations in breast invasive carcinoma. *Oncoscience*. 2018 Feb 26;5(1-2):39-48.
46. Zuley ML, Bandos AI, Abrams GS, et al. Contrast Enhanced Digital Mammography (CEDM) Helps to Safely Reduce Benign Breast Biopsies for Low to Moderately Suspicious Soft Tissue Lesions *Academic Radiology*. 2019; S1076-6332(19)30369-1. doi:10.1016/j.acra.
47. Zuley ML, Nishikawa RM, Lee CS, et al. Linkage of the ACR National Mammography Database to the Network of State Cancer Registries: Proof of Concept Evaluation by the ACR National Mammography Database Committee. *Journal of the American College of Radiology*. 2019;16(1):8–14. doi:10.1016/j.jacr.2018.06.027
48. Zuley M; NMD committee. Author's Reply. *Journal of the American College of Radiology*. 2019;16(2):136–138. doi:10.1016/j.jacr.2018.12.037
49. Lee CS, Ashih H, Sengupta D, Sickles EA, Zuley M, Pisano E. Risk-Based Screening Mammography for Women Aged <40: Outcomes From the National Mammography Database. *Journal of the American College of Radiology*. 2019; S1546-1440(19)31034-8.
50. Bovbjerg DH, Keefe FJ, Soo MS, Manculich J, Van Denburg A, Zuley ML, Skinner CS, Edmond SN, Shelby RA. Persistent breast pain in post-surgery breast cancer survivors and women with no history of breast surgery or cancer: Associations with pain catastrophizing, perceived breast cancer risk, breast cancer worry, and emotional distress. *Acta Oncology*. 2019;58(5) 763-768. Doi: 10.1080/0284186X.2019.1574023.Epub 2019 Feb 12.
51. Hugar SB, Bhargava R, Dabbs DJ, Davis KM, Zuley M, Clark BZ. Isolate Flat Epithelial Atypia on Core Biopsy Specimens is associated with a low risk of upgrade at excision. *American Journal of Clinical Pathology*. 2019;151(5):511-15. doi: 10.1093/ajcp/aqy175.
52. Arefan D, Mohamed AA, Berg WA, Zuley ML, Sumkin JH, Wu S. Deep learning modeling using normal mammograms for predicting breast cancer risk. *Medical Physics*. 2019;10.1002/mp.13886. doi:10.1002/mp.13886
53. Sumkin JH, Berg WA, Carter GJ, Bandos AI, Chough DM, Ganott MA, Hakim CM, Kelly AE, Zuley ML, Houshmand G, Anello MI, Gur D. Diagnostic Performance of MRI, Molecular Breast Imaging, and Contrast-enhanced Mammography in Women with Newly Diagnosed Breast Cancer. *Radiology*. 2019;293(3):531–540. doi:10.1148/radiol.2019190887
54. Net JM, Whitman GJ, Morris E, Brandt KR, Burnside ES, Giger ML, Manott M, Sutton EJ, Zuley ML, Rao A. Relationships Between Human-Extracted MRI Tumor Phenotypes of Breast Cancer and Clinical Prognostic Indicators Including Receptor Status and Molecular Subtype. *Current Problems in Diagnostic Radiology*. 2019;48(5):467–472. doi:10.1067/j.cpradiol.2018.08.003
55. Zuley ML, Bandos AI, Abrams GS, Ganott MA, Gizienski TA, Hakim CM, Kelly AE, Nair BE, Sumkin JH, Waheed U, Gur D. Contrast Enhanced Digital Mammography (CEDM) Helps to Safely Reduce Benign Breast Biopsies for Low to Moderately Suspicious Soft Tissue Lesions. *Academic Radiology*. 2020; (7):969-976. doi: 10.1016/j.acra.2019.07.020.
56. Davenport MS, Bruno MA, Iyer RS, Johnson AM, Herrera R, Nicola GN, Ortiz D, Pedrosa I, Policeni B, Recht MP, Willis M, Zuley ML, Weinstein S.J ACR Statement on Safe Resumption of Routine Radiology Care During the Coronavirus Disease 2019 (COVID-19) Pandemic. *Journal of the American College of Radiology*. 2020;17(7):839-844. doi: 10.1016/j.jacr.2020.05.001.

57. Lee CS, Ashih H, Sengupta D, Sickles EA, Zuley M, Pisano Risk-Based Screening Mammography for Women Aged <40: Outcomes From the National Mammography Database. E. Journal of the American College of Radiology. 2020;17(3):368-376. doi: 10.1016/j.jacr.2019.08.033.
58. Arefan D, Mohamed AA, Berg WA, Zuley ML, Sumkin JH, Wu S. Deep learning modeling using normal mammograms for predicting breast cancer risk. Medical Physics, 2020;47(1):110-118. DOI 10.1002/mp. 13886. PMID: 31667873.
59. Arefan D, Sun M, Zuley ML, Wu S. Machine learning prediction of axillary lymph node metastasis in breast cancer: 2D versus 3D radiomic features. Medical Physics. 47(12):6334-42. doi.org/10.1002/mp.14538
60. Berg WA, Berg JM, Sickles EA, Burnside ES, Zuley ML, Rosenberg RD, Lee CS. Cancer Yield and Patterns of Follow-up for BI-RADS 3 after Screening Mammography Recall in the National Mammography Database. Radiology. 2020; 296:32-41. MID 32427557.
61. Milch HS, Grimm LJ, Plimpton SR, Tran K, Markovic D, Dontchos BN, Destounis S, Dialani V, Dogan BE, Sonnenblick EB, Zuley ML, Dodelzon K.J, Milch, H. COVID-19 and Breast Radiologist Wellness: Impact of Gender, Financial Loss, and Childcare Need. Journal of the American College of Radiology. 2021;18(7):1017-1026. doi: 10.1016/j.jacr.2021.02.022.
62. Zhou Q, Zuley ML, Guo Y, Yang L, Nair B, Vargo A, Ghannam S, Arefan D, Wu S. A machine and human reader study on AI diagnosis model safety under attacks of adversarial images. Nature Communications. 2021 Dec 14;12(1):7281. doi: 10.1038/s41467-021-27577-x. PMID: 34907229; PMCID: PMC8671500.
63. Lu AH, Zuley ML, Berg WA. Enhancing Cherry Hemangioma: A Mimic for Breast Cancer on Contrast-Enhanced Mammography. American Journal of Roentgenology. 2022 Feb 9. doi: 10.2214/AJR.22.27363. Epub ahead of print. PMID: 35138132.
64. Carleton N, Nasrazadani A, Gade K, Beriwal S, Barry PN, Brufsky AM, Bhargava R, Berg WA, Zuley ML, van Londen GJ, Marroquin OC, Thull DL, Mai PL, Diego EJ, Lotze MT, Oesterreich S, McAuliffe PF, Lee AV. Personalising therapy for early-stage oestrogen receptor-positive breast cancer in older women. Lancet Healthy Longevity. 2022 Jan;3(1):e54-e66. doi: 10.1016/s2666-7568(21)00280-4. Epub 2022 Jan 5. PMID: 35047868; PMCID: PMC8765742.
65. Elezaby MA, Mao L, Burnside E, Zuley ML, Berg WA, Bhargavan-Chatfield M, Lee CS. Utilization and Cancer Yield of Probably Benign Assessment Category in the National Mammography Database: 2009 to 2018. Journal of the American College of Radiology. 2022 Mar 28:S1546-1440(22)00255-1. doi: 10.1016/j.jacr.2022.01.021. Epub ahead of print. PMID: 35358482.

Review Articles (invited published papers, proceedings of conference and symposia, monographs, books, and book chapters)

1. Arvin D, Morin R, Piraino D, Rowberg A, Cetorie N, Zuley M, Seibert JA, Pisano ED. Storage, Transmission, and Retrieval of Digital Mammography, Including Recommendations on Image Compression. Journal of the American College of Radiology. 2006;3:609-14.
2. Zuley ML. What's Important to the Radiologist and Patient. Seminars in Breast Disease. Seminars in Breast Disease, December 2006; Vol. 8, Issue 4, pages 198-205.
3. Zuley ML. IHE: What Is It and What Does It Have To Do with Mammography? Seminars in Breast Disease. June 2006; Vol. 9, Issue 2, Pages 82-84.

4. Zuley ML, How to Transition to Digital Mammography. Journal of the American College of Radiology. JACR, March 2007; Vol. 4, Issue 3, pages 178-183.
5. Pisano E, Zuley ML, Baum J, Marques H. Issues to Consider in Converting to Digital Mammography. Radiological Clinics of North America, September 2007 45:5.
6. Zuley ML, Parikh JR. Full-Field Digital mammography Workflow. Seminars in Breast Disease. June 2006; Vol. 9, Issue 2, Pages 70-74.
7. Zuley ML. The Basic and Implementation of Digital Mammography. Radiologic Clinics of North America. 2010; 48:893-901.

Book chapters:

1. Zuley ML. Perceptual issues in reading mammograms. Chapter 27 in The Handbook of Medical Image Perception and Techniques. E. Samei and E. Krupinski, Cambridge University Press, 2010.
2. Zuley ML, Braner S. Positioning in Mammography. Chapter 6 in Breast Imaging. Bassett, Mahoney, Apple D'Orsi. Saunders, an imprint of Elsevier Inc, 2011.
3. Klym AH, Zuley ML, Sumkin JH, Hakim CM, Chough DM, Lovy L, Sobran C, Logue D, Zheng B, Gur D. Assembly and evaluation of a training module and dataset with feedback for improved interpretation of digital breast Tomosynthesis examinations. Proc SPIE 2012;8318-48.

Published Abstracts:

1. Zuley ML, Bonaccio E, Logan-Young W, Destounis SV. The Ductographic Features of Breast Carcinoma. Accepted and Presented, RSNA 2001.
2. Logan-Young W, Destounis SD, Zuley ML, Bonaccio E, Willison KM. Computer -Aided Detection in Screening Mammography: Can it replace the second reader in an independent double read? Preliminary Results Of A Prospective Double Blinded Study. Accepted and Presented, RSNA, 2002.
3. Logan-Young W, Destounis SD, Zuley ML, Bonaccio E, Willison KM. Computer -aided Detection in Screening Mammography: Can It Replace the Second Reader in an Independent Double-read Setting? Follow-up Results of a Prospective Double Blinded Study. Accepted and Presented, RSNA, 2003.
4. Destounis SD, Logan-Young W, DiNitto P, Zuley ML, Bonaccio E, Willison KM. Can Computer Aided Detection (CAD) Decrease the False Negative Rate of Consensus Double Read Screening Mammography. Accepted and Presented, RSNA 2001; Radiology.2004 Aug;232 (2):578-84.
5. Zuley ML, Bonaccio E, Miller D, Leong D, Willison K, Destounis S et al. "Open Architecture for Full-Field Digital Mammography Display: Preliminary Results" Accepted and Presented at Radiological Society of North America November, 2004.
6. Sumkin JH, Zheng B, Gruss M, Drescher J, Leader JK, Good WF, Lu AH, Cohen C, Shah R, Zuley ML., Gur D. Assembling a Prototype Resonance Electrical Impedance Spectroscopy System for Breast Tissue Signal Detection: Preliminary Assessment. Proc. SPIE Medical Imaging 2008; 6917-41.

7. Sumkin JH, Faix L, Gray D, Zuley M. Comparison of Failed Stereotactic Biopsies for Non-reproducible calcifications: An Analysis Before and After the Implementation of Digital Mammography. ARRS April 13, 2008.
8. *Spangler, ML, Zuley M, Sumkin J, Abrams C, Ganott M, Hakim C, Perrin R, Shah R. Detection and classification of calcification on digital breast tomosynthesis and 2D digital mammography: A comparison. 2010 ARRS Annual Meeting, San Diego, CA.
9. Sumkin JH, Hong AS, Sumkin A, Kerr K, Ganott, MA, Zuley ML. Audit of a Mature MRI Practice. Presented, RSNA, Chicago, Illinois December, 2010.
10. Ganott MA, Zuley ML, Abrams GS, Lu AH, Kelly A, Sumkin JH. Ultrasound-guided Core Biopsy vs. Fine Needle Aspiration for Evaluation of Axillary Lymphadenopathy in Patients Suspected of Having Breast Cancer. Presented, RSNA, Chicago, Illinois November, 2010.
11. Zuley ML, Sumkin JH, Ganott MA, Anello ML, Abrams GS, Wallace LP. Comparison of Contrast- enhanced Cone Beam Computer Tomography to Contrast-enhanced Magnetic Resonance imaging in the categorization of breast lesions. Accepted and Presented, RSNA, Chicago Illinois. November, 2011.
12. Gur D, Zuley ML, Lu AH, Anello ML, Rathfon GY, Abrams GS, Hakim C, Wallace L, Chough DM, Ganott M, Perrin R, Sumkin JH. A Two-Fold Dose Reduction in Breast Screening with Tomosynthesis (DBT) Through the Use of Reconstructed 2D images from the DBT Dataset? Accepted and Presented. RSNA, Chicago Illinois, November, 2011.
13. Gur D, Sumkin JH, Zuley ML, Anello ML, Catullo VJ, Chough D, Cohen C, Ganott M, Hakim C, Hoffman W, Shah R, Shinde D. Recall Rate Reduction with Tomosynthesis During Baseline Examinations: Preliminary Assessment from a prospective screening trial. Accepted and Presented. RSNA, Chicago Illinois, November, 2011.
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16. Zuley ML, Sumkin JS, Ganott MA, Bandos A, Kelly AE, Lu AH, Catullo V, Chough D, Gur D, Perrin R. Digital Breast Tomosynthesis vs Supplemental Diagnostic Mammography Images for the Evaluation of Non-calcified Breast Lesions. Accepted and Presented. RSNA, Chicago Illinois, November 2011.
17. Zuley ML, Zhang Y, Bandos A, Hooper D, Ganott MA, Gur D. Diagnostic accuracy of Tomosynthesis vs mammographic supplemental views: Impact of lesion shape perception. RSNA, Chicago Illinois, November 26-30, 2012.
18. *Belair JA, Zuley ML, Ganott MA, Kelly AE, Shinde D, Shah R, Catullo V, Mishra M, Gur D. Non-contrast Cone-Beam CT vs Tomosynthesis: identification and classification of benign and malignant breast lesions. RSNA, Chicago Illinois, November 26-30, 2012.

19. Zuley ML, Hooper D. Comparison of the surgical outcomes between wire localization and radioactive seed localization for segmental mastectomies. To compare radioactive seed localization (RSL) to wire localization (WL) for surgical margin status, specimen size, and re-excision. 113 Annual Meeting of the ARRS, Marriott Wardman Park Hotel, Washington DC. April 15-19, 2013.
20. Zuley ML, Bandos AI, Sumkin JH, Catullo VJ, Lu AH, Chough D, et al. Diagnostic Accuracy of Combination Synthetic Mammograms with Tomosynthesis vs Combination FFDM with Tomosynthesis. RSNA, Chicago Illinois, December 1-6, 2013.
21. Zuley ML, Guo B, Ganott MA, Bandos AI, Catullo VJ, Lu AH, et al. Comparison of Visibility and Diagnostic Accuracy of Cone Beam Computed Tomography, Tomosynthesis, MRI and Digital Mammography for Breast Masses. RSNA, Chicago, IL, Dec. 1-6, 2013.
22. Zuley ML, Guo B, Catullo VJ, Chough DM, Kelly AE, Lu AH, Rathfon GY, Spangler ML, Sumkin JH, Wallace LP, Bandos AI. Diagnostic Accuracy of Combination Synthetic Mammograms with Tomosynthesis vs. Combination FFDM with Tomosynthesis. RSNA Chicago, IL, Dec. 1-6, 2013.
23. Wu S, Zuley ML, Berg WA, Kurland BF, Jankowitz RC, Sumkin J, Gur D. Quantitative background parenchymal enhancement in breast DCE-MRI is associated with breast cancer risk. RSNA 2014 Annual Meeting. Chicago, IL, Nov 30 – Dec 5, 2014.
24. Wu S, Zuley ML, Berg WA, Kurland BF, Jankowitz RC, Sumkin J, Gur D. Quantified in breast DCE-MRI Contrast enhancement kinetics and breast cancer risk. RSNA 2014 Annual Meeting. Chicago, IL, Nov 30 – Dec 5, 2014.
25. Wu S, Zuley ML, Berg WA, Kurland BF, Jankowitz RC, Sumkin JH, Gur D. Contrast enhancement kinetics quantified in breast DCE-MRI and breast cancer risk, RSNA 2014 Annual Meeting. Chicago, IL, Nov 30 – Dec 5, 2014.
26. Zuley ML, Koo JJ, Plecha DM, Rose SL, Benjamin JC, Gur D, Bandos AI, Sumkin JH, Kelly AE, Ganott MA. Analysis of Cancers Missed on Digital Breast Tomosynthesis. RSNA 2014 Annual Meeting. Chicago, IL, Nov 30 – Dec 5, 2014.
27. Sumkin JH, Zuley ML, Gur D. Recall Rate Reduction with Tomosynthesis during Baseline Screening Examinations – Assessment from a Prospective Screening Trial. RSNA 2014 Annual Meeting. Chicago, IL, Nov 30 – Dec 5, 2014.
28. Smith AM, Sumkin JH, Zuley ML, Chough D, Abrams GS. Comparison of Prone Stereotactic vs. Upright Tomosynthesis Guide Vacuum Assisted Core Breast Biopsies. RSNA 2014 Annual Meeting. Chicago, IL, Nov 30 – Dec 5, 2014.
29. Zuley ML. Refresher course: Emerging Technologies. RSNA 2015 Annual Meeting Chicago, IL November 29- December 4, 2015.
30. Gur D, Zuley ML, Sumkin JH. Refresher course: Performance Measures When Interpreting FFDM Examinations with Increasing Experience with DBT Based Screening in a Mixed FFDM/DBT Practice. RSNA 2015 Annual Meeting Chicago IL. November 29-December 4, 2015.
31. ES Burnside, H LI, C Perou, K Drukker, E A Morris, M L. Giger, E Bonaccio, ML Zuley, MA Ganott, JM Net, EJ Sutton, KR Brandt, GJ Whitman, S Conzen, L Lan, Y Zhu, Y Ji, E Huang, JB Freymann, J Kirby, C C Jaffee. Relationship between Computer-extracted MRI based Phenotypes and the Risk of Breast Cancer Recurrence as Predicted by PAM50 Gene Expression Array. RSNA 2015 Annual Meeting Chicago, IL November 29-December 4, 2015.

32. Berg WA, Chen SS, Oligane H, Sohrabi S, Zuley ML, Anello ML. Amorphous Calcifications rarely represent aggressive malignancy. RSNA 2015 Annual Meeting Chicago IL. November 29-December 4, 2015.
33. Mohamed A, Gur D, Kurland BF, Zuley ML, Berg WA, Jankowitz RC, Sumkin J, Wu S. Quantitative characteristics of background parenchymal enhancement in longitudinal breast DCE-MRIs of healthy women, RSNA 2016, accepted as oral papers.
34. Lee C, Sickles E, Chatfield M, Zuley M, Burnside E, Burlison J, Debapriya S. Current Era Screening Mammography Outcomes from the National Mammography Database, Involving Nearly 7 Million Examinations. RSNA 2016.
35. Zuley ML, Nishikawa RM, Sickles EA, Burnside ES, Rosenberg RD, Lee CS, Sengupta D, Berg WA, Harvey JA, Leung JW, Ellis RL, Patel BH, Gur D. Linkage of the American College of Radiology (ACR) National Mammography Database (NMD) at the National Network of Required State Cancer Registries; Proof of Concept Trail. 103rd Scientific Assembly and Annual Meeting RSNA, Chicago, IL. 2017
36. Zuley ML, Gur D, Waheed U, Ganott MA, Nair B, Hakim CM, et al. Contrast Enhanced Digital Mammography (CEDM) Helps to Safely Reduce Benign Breast Biopsies. RSNA 2018.
37. *Froicu M, Chung K, Zuley ML. Cancer Detection Rate for Stereotactic Biopsies Performed on Initially Categorized BI-RADS 3 Calcifications. RSNA 2018
38. Lee C S, Ashih H, Sengupta D, Sickles EA, Zuley ML, Pisano ED. Risk-Based Screening Mammography for Women Age <40: Outcomes from the National Mammography Database. RSNA 2018.
39. Hao D, Zhang L, Zheng B, Zuley ML, Chai R; Wu S. Big Data Interpretability: Automatically Identify Mislabeled Data in Medical Imaging Deep Learning. RSNA 2018
40. Arefan D, Zheng B, Chai R, Zuley ML, Sumkin JH, Wu S. Surrounding Regions of Tumor in FFDM are Associated with Breast Cancer Prognostic and Proliferation Markers. RSNA 2018.
41. Elezaby MA, Longhurst C, Karthik P, Sengupta D, Burnside ES, Zuley ML. Frequency and Cancer Yield of Probably Benign Breast Findings in Clinical Practice in the National Mammography Database (BI-RADS Category 3) RSNA 2018.
42. Mohamed AA, Berg WA, Arefan D, Sumkin JH, Zuley ML, Wu S. Breast cancer temporal risk prediction by deep learning and longitudinal digital mammogram images. RSNA 2018.
43. Berg WA, Houshmand G, Gur D, Gizienski TA, Chough DM, Bohm-Velez M, Zuley ML. Is a BI-RADS 4 or 5 Assessment Reasonable on Screening Ultrasound? RSNA 2018. W A Berg, G Houshmand, D Gur, T A Gizienski, D M Chough, M Bohm-Velez, M L Zuley et al. Is a BI-RADS 4 or 5 Assessment Reasonable on Screening Ultrasound? RSNA 2018. Lee C, Goldman I. Simanowith M, Rosenberg R, Zuley M, Moy L. Comparing Performance of 20,972,817 Screening Mammograms in 9,799,099 Women of Different Racial Groups in the National Mammography Database (NMD). RSNA 2020
44. Berg WA, Bandos AI, Gizienski TA, Chough DM, Böhm-Vélez M, Chang TS, Sharek D, Straka M, Ganott MA, Hakim CM, Hartman J, Harnist K, Zuley ML, Tyma C, Kelly A, Waheed UX, Houshmand G, Nair B. Performance characteristics of three rounds of annual supplemental screening US after DBT in women with dense breasts. RSNA 2020

45. Berg WA, Bandos AI, Gizienski TA, Chough DM, Böhm-Vélez M, Chang TS, Sharek D, Straka M, Ganott MA, Hakim CM, Hartman J, Harnist K, Zuley ML, Tyma C, Kelly A, Waheed UX, Houshmand G, Nair B. Outcomes of BI-RADS 3 with 6-month vs. 12-month follow-up recommendation on screening US after DBT. RSNA 2020

SCIENTIFIC PRESENTATIONS

1. Zuley ML, speaker “The ductographic features of breast carcinoma.” Radiological Society of North America, Chicago, IL, November 2001.
2. Zuley ML, speaker “Ductography” Rochester Mammography Association, Rochester, NY, October 2002.
3. Zuley ML, speaker “Implementation and Interpretation of Ductography” Rochester Roentgen Ray Society, Rochester, NY, 2003.
4. Zuley ML, speaker “Open Architecture for Full-Field Digital Mammography Display: Preliminary Results” Radiological Society of North America, Chicago, IL November, 2004,
5. Zuley ML, speaker, “Clinical Utility of FFDM: Present State and Future Goals”. SCAR Digital Breast Imaging Forum, Orlando, FL June 2-5, 2005.
6. Zuley ML. “Special Session: The Future of Breast Imaging”. American College of Radiology, Washington, DC, 83rd Annual Meeting and Chapter Leadership Conference, Speaker, May 20-25, 2006.
7. *Zheng B, Zuley ML, Sumkin JH, Catullo V, Abrams G, Rathfon G, Chough D, Gruss M, Gur D. Detection of Breast Abnormalities Using a Prototype Electrical Impedance Spectroscopy System: A Preliminary Study. Med Phys 2008; 35:3041-3048.
8. Sumkin, JH, Zheng B, Gruss M, Drescher J, Leader JK, Good W, Lu A, Cohen C, Shah R, Zuley ML, Gur D. Assembling a Prototype Resonance Electrical Impedance Spectroscopy System for Breast Tissue Signal Detection: Preliminary Assessment. Proc SPIE Medical Imaging 2008; 6917-691716-1-8.
9. Zheng B, Pu J, Park SC, Zuley ML, Gur D. Assessment of the Relationship between Lesion Segmentation Accuracy and Computer-Aided Diagnosis Scheme Performance. Proc. SPIE Medical Imaging 2008; 6915-69130-1-11.
10. Sumkin JH, Zheng B, Gruss M, Drescher J, Leader JK, Good W, Lu A, Cohen C, Shah R, Zuley M, Gur D. Assembling a prototype resonance electrical impedance spectroscopy system for breast tissue signal detection: preliminary assessment. Proc. SPIE 2008; 6917-41.
11. Gur D, Zheng B, Dhurjaty S, Wolfe G, Fradin M, Weil R, Sumkin J, Zuley M. Developing and testing a multi-probe resonance electrical impedance spectroscopy system for detecting breast abnormalities, Proc SPIE 2009; 7263-50.

12. Gur D, Zheng B, Lederman D, Dhurjaty S, Sumkin J, Zuley M, A support vector machine designed to identify breasts at high risk using multi-probe generated REIS signals: A preliminary assessment, Proc SPIE 2010; 7627-46 (Cum Laude Poster Award).
13. Sumkin JH, Hong AS, Sumkin A, Kerr K, Ganott, MA, Zuley ML. Audit of a Mature MRI Practice. Presented, RSNA, Chicago, Illinois December, 2010.
14. Ganott MA, Zuley ML, Abrams GS, Lu AH, Kelly A, Sumkin JH. Ultrasound-guided Core Biopsy vs. Fine Needle Aspiration for Evaluation of Axillary Lymphadenopathy in Patients Suspected of Having Breast Cancer. Presented, RSNA, Chicago, Illinois November, 2010.
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17. Shelby RA, Keefe FJ, Soo MS, Skinner CS, Stinnett S, Luce MF, Zuley ML, Sumkin JH, Bovbjerg DH. Psychological factors associated with self-reported breast pain prior to routine mammography in breast cancer survivors and women without a history of cancer. 2011 Society of Behavioral Medicine Annual meeting. April 27-30, 2011 Washington, DC.
18. Coon D, Zuley M, Purnell C, Toy J, Assano Y, Yoshimura K, Rubin JP. Mammographic Changes after Stem Cell Supplemented Fat Transfer to the Breast Compared with Changes after Breast Reduction: A Blinded Study. American Society of Plastic Surgeons Annual Meeting, Denver, September, 2011. *Winner: Plastic Surgery Educational Foundation Essay Competition, 1st Place, Investigator Category
19. Zuley ML, Sumkin JH, Ganott MA, Anello ML, Abrams GS, Wallace LP. Comparison of Contrast-enhanced Cone Beam Computer Tomography to Contrast-enhanced Magnetic Resonance imaging in the categorization of breast lesions. Accepted and Presented, RSNA, Chicago Illinois. November, 2011.
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24. Zuley ML, Sumkin JS, Ganott MA, Bandos A, Kelly AE, Lu AH, Catullo V, Chough D, Gur D, Perrin R. Digital Breast Tomosynthesis vs Supplemental Diagnostic Mammography Images for the Evaluation of Non-calcified Breast Lesions. Accepted and Presented. RSNA, Chicago Illinois, November 2011.
25. Klym AH, Zuley ML, Sumkin JH, Hakim CM, Chough DM, Lovy L, Sobran C, Logue D, Zheng B, Gur D. Assembly and evaluation of a training module and dataset with feedback for improved interpretation of digital breast Tomosynthesis examinations. Proc SPIE 2012;8318-48.
26. Zuley ML, Zhang Y, Bandos A, Hooper D, Ganott MA, Gur D. Diagnostic accuracy of Tomosynthesis vs mammographic supplemental views: Impact of lesion shape perception. RSNA, Chicago Illinois, November 26-30, 2012.
27. M. Zuley, D. Hooper. Comparison of the surgical outcomes between wire localization and radioactive seed localization for segmental mastectomies. To compare radioactive seed localization (RSL) to wire localization (WL) for surgical margin status, specimen size, and re-excision. 113 Annual Meeting of the ARRS, Marriott Wardman Park Hotel, Washington DC. April 15-19, 2013.
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30. Zuley ML, Tseng I, Chough D, Tudorascu, Ganott M, Sumkin J, Rathfon G. Interpretation Time and Dose Comparison Between Breast Tomosynthesis and Standard Diagnostic Mammography. ARRS 2014 Annual Meeting, San Diego CA. May 5-7, 2014.
31. Giger M, Whitman G, Bonaccio E, Zuley M, Huang E, Freymann J, Jaffe C. Quantitative and Semantic MRI-Based Phenotypes of Breast Cancer in the Multi institutional National Cancer Institute Cancer Imaging Archive Dataset. ARRS 2014 Annual Meeting, San Diego CA. May 5-7, 2014.
32. Zuley ML. Traps when Imaging the Augmented, Reduced or Treated Breast. ARRS 2014 Annual Meeting, San Diego CA. May 5-7, 2014
33. Zuley ML, Chough D. Tomosynthesis. ARRS 2014 Annual Meeting, San Diego DA. May 5-7, 2014.
46. Wu S, Zuley ML, Berg WA, Kurland BF, Jankowitz RC, Sumkin J, Gur D. Quantitative background parenchymal enhancement in breast DCE-MRI is associated with breast cancer risk. RSNA 2014 Annual Meeting. Chicago, IL, Nov 30 – Dec 5, 2014.
47. Wu, Zuley ML, Berg WA, Kurland BF, Jankowitz RC, Sumkin J, Gur D. Quantified in breast DCE-MRI Contrast enhancement kinetics and breast cancer risk. RSNA 2014 Annual Meeting. Chicago, IL, Nov 30 – Dec 5, 2014.
48. Wu S, Zuley ML, Berg WA, Kurland BF, Jankowitz RC, Sumkin JH, Gur D. Contrast enhancement kinetics quantified in breast DCE-MRI and breast cancer risk, RSNA 2014 Annual Meeting. Chicago, IL, Nov 30 – Dec 5, 2014.

49. Zuley ML, Koo JJ, Plecha DM, Rose SL, Benjamin JC, Gur D, Bandos AI, Sumkin JH, Kelly AE, Ganott MA. Analysis of Cancers Missed on Digital Breast Tomosynthesis. RSNA 2014 Annual Meeting. Chicago, IL, Nov 30 – Dec 5, 2014.
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52. Giger ML, Li H, Morris EA, Bonaccio E, Brandt KR, Burnside ES, Dogan BE, Fevrier-Sullivan B, Freymann JB, Ganott MA, Huang E, Jaffee CC, Ji Y, Kirby J, Net JM, Sutton EJ, Whitman GJ, Zuley ML. Relationship of Quantitative MRI-based Phenotypes and the molecular-classifications of Breast Cancers in the TCGA/TCIA Dataset. RSNA 2014 Annual Meeting. Chicago, IL, Nov 30 – Dec 5, 2014.
53. Wu S, Zuley ML, Kurland BF, Jankowitz RC, Sumkin J, Gur D. Quantitative breast DCE-MRI risk biomarkers and breast tumor immunohistochemistry phenotypes: A preliminary assessment. San Antonio Breast Cancer Symposium, December 2014.
34. Wu S, Kurland BF, Berg WA, Zuley ML, Jankowitz RC, Sumkin J, Gur D. Signal. Signal enhancement ratio (SER) quantified from breast DCE-MRI and breast cancer risk, SPIE Medical Imaging Conference, Computer-Aided Diagnosis, 2015, Orlando, FL (Oral Presentation).
35. Zuley ML. Breast Tomosynthesis. ARRS 2015 Annual Meeting, Toronto ON, Canada, April 19-24, 2015.
36. Zuley ML. Digital Breast Tomosynthesis. ACR 2015 Annual Meeting. Washington, DC. May 17-21, 2015.
37. Zuley ML. Refresher Course: Emerging Technologies. RSNA 2015 Annual Meeting Chicago, IL November 29-December 4, 2015.
38. Gur D, Zuley ML, Sumkin JH. Refresher course: Performance Measures When Interpreting FFDM Examinations with Increasing Experience with DBT Based Screening in a Mixed FFDM/DBT Practice. RSNA 2015 Annual Meeting Chicago IL. November 29-December 4, 2015.
39. Burnside ES, Li H, Perou C, Drukker K, Morris EA, Giger ML, Bonaccio E, Zuley ML, Ganott MA, Net JM, Sutton EJ, Brandt KR, Whitman GJ, Conzen S, Lan L, Zhu Y, Ji Y, Huang E, Freymann JB, Kirby J, Jaffee CC. Relationship between Computer-extracted MRI based Phenotypes and the Risk of Breast Cancer Recurrence as Predicted by PAM50 Gene Expression Array. RSNA 2015 Annual Meeting Chicago, IL November 29-December 4, 2015.
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41. Zuley ML. Digital Breast Tomosynthesis for Screening: outcomes and implementation. ACR 2016 Annual Meeting. Washington DC. May 15-19, 2016.

42. Mohamed A, Gur D, Kurland BF, Zuley ML, Berg WA, Jankowitz RC , Sumkin J, Wu S. Quantitative characteristics of background parenchymal enhancement in longitudinal breast DCE-MRIs of healthy women, Chicago, IL RSNA 2016, accepted as oral papers.
43. Lee C, Sickles E, Chatfield M, Zuley M, Burnside E, Burleson J, Debapriya S. Current Era Screening Mammography Outcomes from the National Mammography Database, Involving Nearly 7 Million Examinations. Chicago, IL RSNA 2016.
44. Zuley ML. Personalized Breast Cancer Screening. Chicago, IL RSNA 2016.
45. Sumkin JH, Berg WA, Houshmand G, Chough DM, Hakim CM, Zuley ML, Ganott MA, Kelly AE, Anello ML. Comparison of MRI, CEM and MBI for Staging Breast Cancer in Women with Newly Diagnosed Breast Cancer. 103rd Scientific Assembly and Annual Meeting RSNA, Chicago, IL. 2017
46. Mohamed AA, Berg WA, Kurland BF, Sumkin JH, Zuley ML, Luo Yahong, Jankowitz R, Wu Shandong. Identifying mammographic imaging biomarkers of breast cancer risk: Beyond Breast Density and Textures. 103rd Scientific Assembly and Annual Meeting RSNA, Chicago, IL. 2017
47. Berg WA, Gur D, Bandos AI, Chough DM, Ganott MA, Bohm-Velez M, Hakim CM, Gizienski T, Tyma CS, Griffith B, Chan JM, Zuley ML, Sharek D, Thomas EA, Chang TS. Recall Rates for Technologist-Performed Screening Ultrasound Compared to DBTs and Influence of Double Reading. 103rd Scientific Assembly and Annual Meeting RSNA, Chicago, IL. 2017
48. Aboutalib SS, Mohamed AA, Berg WA, Gur D, Kurland BF, Zuley ML, Sumkin JH, Peng H, Jankowitz R, Wu S. Automatic identification of nuanced imaging features in recalled but biopsy benign mammogram images. 103rd Scientific Assembly and Annual Meeting RSNA, Chicago, IL. 2017.
49. Mohamed AA, Kurland BF, Berg WA, Normolle D, Jankowitz R, Zuley ML, Gur D, Sumkin JH, Wu W. Quantitative Assessment of Breast DCE-MRI BPE and Mammographic Breast Density Changes over Time. 103rd Scientific Assembly and Annual Meeting RSNA, Chicago, IL. 2017
50. M L Zuley, MD, D Gur, U Waheed, M A Ganott, B Nair, C M Hakim, et al. Contrast Enhanced Digital Mammography (CEDM) Helps to Safely Reduce Benign Breast Biopsies. RSNA 2018.
51. *Froicu M, Chung K, Zuley ML. Cancer Detection Rate for Stereotactic Biopsies Performed on Initially Categorized BI-RADS 3 Calcifications
52. Lee CS, Ashih H, Sengupta D, EA Sickles, Zuley ML, Pisano ED. Risk-Based Screening Mammography for Women Age <40: Outcomes from the National Mammography Database. RSNA 2018.
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54. Arefan D, Zheng B, Chai R, Zuley ML, Sumkin JH, Wu S. Surrounding Regions of Tumor in FFDM are Associated with Breast Cancer Prognostic and Proliferation Markers. RSNA 2018.
55. Elezaby MA, Longhurst C, Karthik P, Sengupta D, Burnside ES, Zuley ML, et al. Frequency and Cancer Yield of Probably Benign Breast Findings in Clinical Practice in the National Mammography Database (BI-RADS Category 3) RSNA 2018.
56. Mohamed AA, Berg WA, Arefan D, Sumkin JH, Zuley ML, Wu S. Breast cancer temporal risk prediction by

deep learning and longitudinal digital mammogram images. RSNA 2018.

57. Berg WA, Houshmand G, Gur D, Gizienski TA, Chough DM, Bohm-Velez M, Zuley ML et al. Is a BI-RADS 4 or 5 Assessment Reasonable on Screening Ultrasound? RSNA 2018. Lee C, Goldman I, Simanowith M, Rosenberg R, Zuley M, Moy L. Comparing Performance of 20,972,817 Screening Mammograms in 9,799,099 Women of Different Racial Groups in the National Mammography Database (NMD). Radiologic Society of North America. November 29-December 4, 2020, virtual online meeting.
58. Berg WA, Bandos AI, Gizienski TA, Chough DM, Böhm-Vélez M, Chang TS, Sharek D, Straka M, Ganott MA, Hakim CM, Hartman J, Harnist K, Zuley ML, Tyma C, Kelly A, Waheed UX, Houshmand G, Nair B. Performance characteristics of three rounds of annual supplemental screening US after DBT in women with dense breasts. Radiologic Society of North America. November 29-December 4, 2020, virtual online meeting.
59. Berg WA, Bandos AI, Gizienski TA, Chough DM, Böhm-Vélez M, Chang TS, Sharek D, Straka M, Ganott MA, Hakim CM, Hartman J, Harnist K, Zuley ML, Tyma C, Kelly A, Waheed UX, Houshmand G, Nair B. Outcomes of BI-RADS 3 with 6-month vs. 12-month follow-up recommendation on screening US after DBT. Radiologic Society of North America. November 29-December 4, 2020, virtual online meeting.
60. Parthasarathy MK, Meza R, Zuley ML, Bandos A, Abbey CK, Webster MA. Adaptation to medical images within and across imaging modalities. Vision Sciences Society. May 2022
61. *Liu, C, Wu S, Arefan D, Patel, P, Zuley, ML. Quantitative analysis and machine learning of Contrast Enhanced Mammography for predicting breast lesion biopsy outcome. Society of Breast Imaging Symposium May 18, 2022.
62. *Kowalski A, Ganott MA, Harnist K, Kelly AE, Lu A, Nair BE, Sumkin JH, Vargo A, Zuley ML. Contrast Enhanced Mammography (CEM) Biopsy: Initial Trial and Experience. Society of Breast Imaging Symposium May 18, 2022.

SCIENTIFIC EXHIBITS

1. Clunie D, Zuley ML. Progress in Interoperability of Digital Mammography Display: Experience with Drafting and Testing the IHE Mammo Profile. RSNA, Chicago, IL, November 25-30, 2007.
2. Chough D, Hakim C, Zuley ML, Anello M, Sumkin JH. Comparison of 2D Specimen Radiography to 2D Specimen Radiography plus specimen Tomosynthesis. 2011 RSNA, Chicago Illinois, November, 2011. (Poster).
3. Ahrendt G, McGuire K, Johnson R, Soran A, Zuley M, Rohit B, Bonaventura M. Predicting Success of Breast Conservation after neoadjuvant chemotherapy: What factors affect surgical outcome? Society of Surgical Oncology. Orlando World Center Marriott in Orlando, Florida. March 21-24, 2012. (poster)
4. Abedin S, Zuley M. Load Balancing Breast Imaging Screens in Oceanetta: A Large Scale Radiology Scheduling Application. 2013 RSNA 99th Scientific Assembly and Annual Meeting. Chicago Illinois, December 1-6, 2013. (Poster – Education Exhibit).

5. Burnside ES, Giger ML, Morris EA, Whitman GJ, Bonaccio E, Zuley ML, Li H, Huang E, Net JM, Ganott MA, Brandt KR, Sutton EJ, Kirby J, Freymann BS, Dugan BE, Jaffe CC, Fevrier-Sullivan BA, Ji Y. Using Computer-extracted Features from Tumors on Breast MRI to Predict Stage. RSNA 100th Scientific Assembly and Annual Meeting. Chicago Illinois, Nov 30 – December 5, 2014. (Poster)
6. Wu S, Berg WA, Zuley ML, Kurland BF, Jankowitz RC, Sumkin JH, Nishikawa RM, Gur D. Quantitative assessment of early- and delayed DCE-MRI background parenchymal enhancement in breast cancer risk prediction, San Antonio Breast Cancer Symposium (SABCS) December 9-13, 2014.
7. Wu S, Zuley ML, Kurland BF, Jankowitz RC, Sumkin JH, Gur R. Quantitative breast DCE-MRI risk biomarkers and breast tumor immunohistochemistry phenotypes: a preliminary assessment, San Antonio Breast Cancer Symposium (SABCS) December 9-13, 2014.
8. Sumkin J, Berg WA, Hakim C, Chough D, Ganott M, Anello M, Zuley M, Kelly A, Gur D. Prospective Comparison of Magnetic Resonance Imaging (MRI) to Contrast Enhanced Spectral Mammography (CESM) and molecular breast Imaging (MBI) for staging Breast Cancer in Women with a New Diagnosis of Breast Cancer. Society of Breast Imaging, San Antonio (Poster) April 6-10, 2016.

PROFESSIONAL ACTIVITIES

Teaching – Invited Lectures:

2006	Radiology Resident Conference. Radiology Residents. “Breast MRI”.
2006	Radiology Resident Conference, Dartmouth Medical Center “Breast MRI”.
2007	Conference University of Rochester. “Breast MRI”.
2007	Radiology Resident Conference. “Ductography”. Rochester, NY
2007	Radiology Resident Conference. “Case Presentations”. Rochester, NY
2007	Radiology Resident Conference. “Case Presentations” Pittsburgh, PA.
2008	Board Review in Breast Imaging – 4th year residents.
2008	7:00 A.M. Resident Conference, Pittsburgh, PA.
2008	Mayo Clinic. Visiting Professor, Resident Lecture and Case Conference, Jacksonville, FL
2009	Noon Conference; University of Pittsburgh – Breast Imaging. Pittsburgh PA
2009	Noon Conference; University of Pittsburgh – Breast Imaging, Pittsburgh PA
2009	Board Review in Breast Imaging – 4th year Residents

- 2010 Board Review in Breast Imaging – 4th year Residents
- 2010 7 am Resident Lecture; University of Pittsburgh – Breast Imaging, Pittsburgh PA
- 2011 Board Review in Breast Imaging – 4th year Residents.
- 2011 Noon Conference University of Pittsburgh – Post Operative Breast, Pittsburgh PA
- 2012 Board Review in Breast Imaging – 4th year Resident, University of Pittsburgh, Pittsburgh, PA
- 2012 Noon Conference University of Pittsburgh – Breast Tomo and Future Modalities for Breast Imaging. Pittsburgh, PA
- 2012 7:00 am Resident Conference – Case Review. University of Pittsburgh, Pittsburgh PA.
- 2012 Noon Conference University of Pittsburgh – Breast Tomosynthesis, Pittsburgh PA.
- 2013 Board Review in Breast Imaging– 4th year Residents. University of Pittsburgh
- 2013 Medical Student Lecture on Breast Imaging, Scaife Hall University of Pittsburgh
- 2013 Radiology Grand Rounds. Digital Breast Tomosynthesis. University Hospitals Case Medical Center, Cleveland Ohio
- 2013 Noon Conference University of Pittsburgh – Post-operative Breast, Pittsburgh, PA.
- 2014 Board Review in Breast Imaging – 4th year Resident. University of Pittsburgh School of Medicine.
- 2014 Noon Conference University of Pittsburgh – Breast Tomosynthesis. Pittsburgh PA
- 2015 Board Review in Breast Imaging – 4th year Residents. University of Pittsburgh School of Medicine
- 2015 Noon Conference University of Pittsburgh – Post Operative Breast. Pittsburgh PA.
- 2017 Eisai Tumor Board. Hilton Garden Inn, Pittsburgh PA.
- 2017 Breast Conference Lecture. Tomosynthesis Magee Womens Hospital, Pittsburgh PA
- 2017 Noon Conference University of Pittsburgh – Breast Tomosynthesis, Pittsburgh PA
- 2018 Noon Conference University of Pittsburgh—The Post Operative Breast. Pittsburgh PA
- 2018 Board review for 3rd year radiology residents. University of Pittsburgh School of Medicine
- 2018 3:00 pm Breast Conference Lecture. Screening Controversy. Magee Womens Hospital, Pittsburgh

- 2018 Radiology Interest Group Research Presentation. University of Pittsburgh School of Medicine
- 2018 Radiological Society of North America 2018 Moderator; Controversies Session -AB vs Full Protocol Breast MRI. Chicago II
- 2020 Grand Rounds. Contrast Enhanced Mammography: A value Model. Brown University, Providence RI
- 2020 Review of Breast Imaging. Noon Conference. Brown University, Providence RI
- 2020 Boards Review: Breast Imaging. University of Pittsburgh, Pittsburgh, PA
- 2020 Contrast Enhanced Mammography. Pittsburgh Mammography Society. Pittsburgh, PA
- 2020 Research projects and opportunities for resident participation in Breast Imaging. University of Pittsburgh. Dept of Radiology, Pittsburgh, PA
- 2021 Updates on contrast enhanced mammography. 3pm Educational Series, UPMC Magee-Womens Hospital, Department of Surgery.
- 2021 Contrast enhanced mammography. Mid-West Breast Imaging Consortium.
- 2021 Right Patient, Right exam: A Patient Safety imperative. 7th Annual National Radiologic Technologist Week Lecture. Department of Radiology, UPMC.
- 2022 MRI. Radiology Resident Noon Lecture. University of Pittsburgh. Dept of Radiology, Pittsburgh, PA

CONTINUING MEDICAL EDUCATION PRESENTATIONS

1. Breast Imaging and Diagnosis: New Technologies and Interventions, Zuley ML, Speaker “The Implementation of Digital Mammography into a High Volume Private Practice”, “Ductography-Technique and Interpretation with Special Attention to the Variable Appearance of Intraductal Cancer”, “Stereotactic Biopsy”, “Stereotactic Biopsy workshop”, “Optimizing Efficiency in Breast Imaging”, NYC, NY, December 2003.
2. Breast Imaging with a Clinical Twist, Zuley ML, Speaker “The Evaluation and Management of Nipple Discharge”, “Stereotactic Core Biopsy Workshop: Tips and Tricks”, The Elizabeth Wende Breast Clinic, Rochester, NY, February 2003.

3. Breast Imaging and Diagnosis: New Technologies and Interventions, NYC, NY. “The Implementation of Digital Mammography into a High Volume Private Practice”, Ductography-Technique and Interpretation with Special Attention to the Variable Appearance of Intraductal Cancer”, “Stereotactic Biopsy”, “Stereotactic Biopsy Workshop”, “Optimizing Efficiency in Breast Imaging”.
4. Breast Imaging with a Clinical Twist, Rochester, Zuley ML, Speaker “The Implementation of Digital Mammography into a High Volume Private Practice”, “The Evaluation and Management of Nipple Discharge”, “Stereotactic Core Biopsy Workshop: Tips and Tricks”, The Elizabeth Wende Breast Clinic, Rochester, NY, April 2004.
5. Updating Your Breast MR and Biopsy Skills: An Interactive Approach to Interpretation and Biopsy Techniques. Zuley ML, Speaker “Breast MRI: Interesting Cases Diagnostic and Biopsy”, “Breast MRI Practice Set-up, Patient Selection, and Reimbursement”, Mayo Foundation, August 2004.
6. Breast Imaging Seminar: Old Rules, New Tools, Zuley ML, Speaker “Ductography: Technique and Appearance of Ductal Carcinoma”, “Breast MRI in Clinical Practice: Case Presentations”, “Breast Magnetic Resonance Imaging: Practice Set-up, Patient Selection, and Reimbursement”, “Clinical Applications of Digital Mammography: Case Presentations”, Naples, Florida, November 2004.
7. Zuley ML, Speaker, “Importance of Early Detection in Cancer Management”. Sharon Regional Health System, Cancer Care Center Symposium, Sharon, PA, April 2005.
8. Breast Imaging with a Clinical Twist, Zuley ML, Speaker “Ductography”, “Breast MRI: Practice set-up, patient selection and reimbursement”, “Introduction of PACS and Full-field Digital Mammography into a High Volume Breast Imaging Practice”, “Breast Disease from Detection to Diagnosis: A Hands-on Workshop with Emphasis on Breast MRI and PACS”, The Elizabeth Wende Breast Clinic, Rochester, NY, April 2005.
9. Updating Your Breast MR Interpretation and Intervention Skills Ritz-Carlton Amelia Island, Zuley ML, Speaker “How to Start a Breast MR Program”, “MRI Interesting Cases”, Mayo Clinic College of Medicine, Amelia Island, FL, September 8-10, 2005
10. Mayo Clinic College of Medicine, Updating Your Breast MR Interpretation and Intervention Skills, Ritz-Carlton Amelia Island, Amelia Island, FL. Zuley ML Speaker: “How to Start a Breast MR Program”, “MRI Interesting Cases”. September 8, 2005.
11. Mayo Clinic College of Medicine, Updating Your Breast MR Interpretation and Intervention Skills, Ritz-Carlton Amelia Island, Amelia Island, FL. Zuley ML, Speaker: “How to Start a Breast MR Program”, “MRI Interesting Cases”. October 5, 2005
12. Stanford School of Medicine Breast MRI Interpretation, correlation and Interventions, Zuley ML, Speaker “How to Start a Breast MRI Practice: From Volume Prediction and Reimbursement Through CPT Coding”, “Grid Guided MRI Guided Breast Biopsy: Techniques and Pitfalls”, “Difficult MRI Cases with Mammo and US Correlation”, “Update on Breast Cancer Screening with Mammo and MRI” Stanford School of Medicine, Wynn Las Vegas, October 27-29, 2005.
13. Breast Imaging in the Digital Age: A Program for Mammography Technologists, Zuley ML, Speaker “Screen-film Mammography: What’s Important to the Radiologist and Patient?”, “New Developments in Breast biopsy Techniques”, “How to Transition from Film to Digital”, “How to Optimize Interpretation of Digital Mammography”, “CAD – How is it Used? Does it Improve Mammography Interpretation?”, “Clinical Breast MRI and Ultrasound” Denver CO, November 12-13, 2005.

14. Breast Imaging in the Digital Age, Zuley ML, Speaker, “How to Transition from Film to Digital”, “Screen-film Mammography: What’s Important to the Radiologist and Patient?”, “CAD – What Is It and How Is It Used?”, “Clinical Breast Ultrasound and Breast MRI” Rochester, NY, May 13, 2006.
15. The Chicago International Breast Course, Chicago, IL. Zuley ML, Speaker: “From Film to Digital in the Clinical Setting”, “Workstations: Dilemmas, Solutions and IHE”. October 25, 2006
16. RSNA 2006, Chicago, IL, Zuley, ML, Speaker: “IHE Update” November 20, 2006
17. The 17th Annual Interdisciplinary National Consortium of Breast Centers. Zuley ML, Speaker: “Integration the Healthcare Enterprise”, “Transitioning from SFM to FFDM”. Las Vegas, NE. February 26-28, 2007
18. The Chicago International Breast Course. Zuley, ML, Speaker: “The Analog to Digital Transition”. Chicago, IL. October 3, 2007
19. RSNA 2007, Chicago IL, Zuley ML. Refresher Course: MR Guided Breast Biopsy.
20. The Chicago International Breast Course, Chicago, IL. Zuley, ML, Speaker: “All You Need to Know About Workstations, PACS and Dedicated Archives”. October 3, 2007
21. Digital Mammography 2007, Dallas, TX. Zuley, ML, Speaker: “How to Optimize Interpretation of Digital Mammography”. “Case Studies in Digital Mammography”. “Integrating Digital Mammography Into Your Practice”. October 14, 2007
22. 17th Annual Pittsburgh Cancer Conference, Pittsburgh, PA. Zuley ML, Speaker: “Mammographic Density as a Risk Factor for Breast Cancer and the Role of MRI Detection. November 2, 2007
23. Breast Imaging State of the Art 2008, Zuley ML, Speaker: “Patient Education Series”. Magee-Womens Hospital, Pittsburgh, PA. January 2, 2008
24. Women’s Imaging 2008. Zuley ML, Speaker: “Rationale for Use of Screening Breast MR in High Risk Patients”, University of San Antonio, TX. February 2, 2008
25. Women’s Imaging 2008. Zuley ML, Speaker: “Making the Transition from Film-screen to Digital Mammography: All about Workflow”, University of Rochester, San Antonio, TX. February 3, 2008
26. Women’s Imaging 2008. Zuley ML, Speaker: “Ask the Experts Panel – Breast Imaging”, University of Rochester, San Antonio, TX. February 3, 2008
27. Women’s Imaging 2008. Zuley ML, Speaker: “Optimizing Digital Mammography and Interpretation -- Incorporating Mammography Lexicon and Bi-RADS into your Practice”, University of Rochester, San Antonio, TX. February 5, 2008
28. Women’s Imaging 2008. Zuley ML, Speaker: “MR-guided Breast Biopsy”, University of Rochester, San Antonio, TX. February 5, 2008.
29. 2008 National Conference on Breast Cancer, Zuley ML, Speaker, “Making the Transition: Film to Digital”, “Digital Issues and the IHE Initiative” Orlando, FL, May 8, 2008

30. 10th Annual World Class Breast Imaging, Zuley ML, Speaker, “How to Optimize Interpretation of Digital Mammography”, “Integrating Digital Mammography into Your Practice”, “Case Studies with digital Mammography”, Washington, DC, July 27, 2008.
31. 26 Annual Pittsburgh Breast Imaging Seminar, Zuley ML, Speaker, “Physician and Technologist Workshops: Complicated Cases”, “Understanding digital Imaging” “Introduction to Tomosynthesis” Pittsburgh, PA, August 7, 2008.
32. National Diagnostic Imaging Symposium, Zuley ML, Speaker, “Optimizing Interpretation of Digital Mammography”, “Case studies in Digital mammography” Orlando, FL, December 10, 2008.
33. Breast Imaging Intervention and Innovations, Zuley ML, Speaker, “Understanding the Digital Mammogram: From Acquisition to Interpretation”. The transition to Digital Mammography: Equipment and Workflow. Atlanta, Georgia. February 6, 2009.
34. Breast Imaging Intervention and Innovations, Zuley ML, Workshop: Ultrasound biopsies. Atlanta, Georgia, February 6, 2009.
35. Stanford Advanced Breast Imaging Course, Zuley ML, Speaker, “Setting Up and Sustaining a Digital Multimodality Program” “Understanding FFDM Workstations and Technical Aspects for Your Clinical Practice”, “Tomosynthesis and FFDM”, “Complicated Multimodality Cases: How Do You Handle Them? Las Vegas, NE, March 6, 2009.
36. Breast 2009. Zuley ML, Speaker: “How to Transition to Digital Mammography” “Perceptions in Mammography”, “New Modalities for Breast Imaging”. Sydney Australia. March 27-29, 2009.
37. Digital mammography 2009. Optimizing Interpretation of Digital Mammography; Integrating Digital Mammography into Your Practice; Case Studies in Digital Mammography. April 20, 2009. Chicago.
38. SBI 9th Postgraduate Course. Zuley ML, Speaker: “Integrating Healthcare Enterprise: IHE Update” Colorado Springs, CO April 27, 2009.
39. SIIM 2009. Zuley ML Speaker: “Current and Future Problems and Opportunities in Breast Imaging Informatics”, “Breast Imaging IHE Connectathon”. Charlotte, North Carolina June 4-7, 2009.
40. 10th Annual National Congress of Breast Diseases 2009. Zuley ML Speaker: Indications of MRI for breast cancer, Improving Detection with CAD and Tomosynthesis. Sheraton Hotel Cesme, Izmir Turkey. 9/30/2009-10/4/2009.
41. Update in Internal Medicine 2009. “Advances in Breast Imaging”. Zuley ML Speaker. 10/30/2009, Pittsburgh PA.
42. FDA (invited lecture); “Clinical performance assessment considerations for CAD”. November, 18, 2009.
43. National Diagnostic Imaging Symposium. Zuley ML, Speaker: “Asymmetries, Tomosynthesis: concepts and rationale. Complicated Cases”. Lake Buena Vista, Florida. Dec 5-9, 2009.
44. Breast Imaging 2010. Zuley, ML “How to optimize interpretation of digital mammography”. “Technical challenges of digital mammography”. Tomosynthesis and cone beam CT”. Palm Desert, CA. March 14-17, 2010.
45. The American College of Radiology’s 34th National Conference on Breast Cancer (NCBC). Zuley ML. “Breast Tomosynthesis: concepts and clinical use”. Naples Florida. April 10, 2010.

46. 2010 ARRS Annual Meeting. Zuley ML. Digital Breast Tomosynthesis. San Diego, California. May 3-7, 2010.
47. Mammographers Pittsburgh Society Meeting. Zuley ML Digital Breast Tomosynthesis. Pittsburgh, PA. July 20, 2010.
48. National Imaging Symposium. Zuley ML. Asymmetries. Orlando, Florida. December 6, 2010.
49. National Imaging Symposium. Zuley ML. Tomosynthesis; Concepts and Rationale. Orlando, Florida. December 6, 2010.
50. Breast Imaging and Interventional Update in the Capital. Zuley ML. Tomosynthesis: The state of the Art. Washington, DC. April 9, 2011.
51. Breast Imaging and Interventional Update in the Capital. Zuley ML. Imaging with MRI. Washington, DC. April 10, 2011
52. Postgraduate Institute for Medicine Sumkin JH, Zuley ML. Digital Breast Tomosynthesis: Concepts and Rationale. A certified live webinar for radiologists and radiologic technologists. June 1, 2011.
53. The Pittsburgh Roentgen Society. Zuley ML. Problem Solving for Complicated Breast Imaging Cases. PNC Park, Pittsburgh. October 5, 2011.
54. Pittsburgh Area Radiology Managers (PARM). Zuley ML. National Mammography Database; Radioactive Seed Localization and Digital Mammography. Seven Springs Mountain Resort, Champion PA. Thursday October 6, 2011
55. Chicago International Breast and Women's Imaging Symposium (ARRS). Zuley ML. Imaging and High Risk Lesions; Tomosynthesis (Advanced Application of FFDM or New Modality?) and Cone Beam CT. Chicago Doubletree Hotel, Illinois. October 13-16, 2011
56. Fourth Annual Symposium on Hereditary Cancers: What Health Care Professional Need to Know. Zuley, ML. Screening the unaffected BRCA Mutation Carrier and Other High Risk Patients. Marriott Pittsburgh City Center. Pittsburgh, Pennsylvania. December 13, 2011.
57. Breast Tomosynthesis and Screening Breast Ultrasound: Hot Topic Boot Camp; Co-Director. The Breakers Palm Beach, Palm Beach, Florida. Basic Concepts of Tomosynthesis; Tomosynthesis: Where are we now? Tomosynthesis: Display and Image Management Issues; Introduction to the Training Cases; Interactive Review of Part 1 and 2 Training Cases; Horizons Past the Hot Topics. February 3-5, 2012.
58. Postgraduate Institute for Medicine Sumkin JH, Zuley ML. Digital Breast Tomosynthesis in Practice: A Case Presentation. A certified live webinar for radiologists and radiologic technologists. March 8, 2012.
59. 35th Annual National conference on Breast Cancer (NCBC) Zuley ML. Practical Tomosynthesis. The Westin Diplomat, Hollywood Florida. April 13-15, 2012.
60. Breast Symposium 2012, Zuley ML: Updates in Breast Health, Screening, and Disease Management. Marriott Pittsburgh City Center, Pittsburgh PA. Screening of Patients at Increased Risk of Breast Cancer. Friday October 26, 2012.

61. Ob/Gyn Grand Rounds Zuley ML. Update on Breast Imaging. Magee-Womens Hospital, Pittsburgh, PA. Tuesday November 13, 2012.
62. Breast Tomosynthesis and Screening Breast Ultrasound: Hot Topic Boot Camp. “Basic Concepts of Tomosynthesis”; “Practical Issues in Display and Storage”; “Clinical Implementation Strategies” Zuley ML, Sumkin JS; “Reimbursement and Economic Considerations” Zuley ML, Sumkin JS; “Hands-on Image Interpretation Training” Zuley ML, Sumkin JS; “Hands on Review of Tomosynthesis Teaching Cases”; “SAM Session”; “Horizons in Tomosynthesis”. The Breakers, Palm Beach, Florida. February 9-10, 2013.
63. Breast Tomosynthesis, co-director. Postgraduate Institute of Medicine. Renaissance Chicago O’Hare. April 27-28, 2013.
64. ARRS. Imaging Characterization of Masses. JW Marriott Desert Ridge Resort and Spa, Phoenix Arizona. September 17-19, 2013.
65. ARRS. MRI application. JW Marriott Desert Ridge Resort and Spa, Phoenix Arizona. September 17-19, 2013.
66. ARRS Tomosynthesis. JW Marriott Desert Ridge Resort and Spa, Phoenix Arizona. September 17-19, 2013.
67. ICPME – Breast Tomosynthesis Interpretation – A hands-on Workshop. Co-director. “Buttonology”; “Interactive Case Review”. Renaissance Las Vegas Hotel, Las Vegas Nevada. September 20, 2013.
68. Postgraduate Institute for Medicine Zuley ML, Sumkin JH. Digital Breast Tomosynthesis Case Studies and DBT-guided Biopsy. The final in a series of three. A certified live webinar for radiologists and radiologic technologists. October 17, 2013.
69. Breast Symposium 2013: Updates in the Management of Breast Disease, Highlighting Management of Breast Cancer in Premenopausal and Elderly Women. When should I order an MRI? Pittsburgh, Pennsylvania October 18, 2013.
70. National Diagnostic Imaging Symposium. Zuley ML, “Breast Tomosynthesis – Concepts and Rationale”. “An Update on High Risk Lesions”. “Asymmetries – from perception to Management”. Lake Buena Vista, Florida. Dec 8, 2013.
71. Society of Breast Imaging 2014. Zuley ML. Case-Based Review and Advanced Breast Imaging Course: Digital Breast Tomosynthesis. DBT 1: Basic Principles – Technical Considerations; DBT 5: Workflow and other Practical Issues; DBT 8: Review Cases 3; Multimodality Case Challenge” Interventional. Orlando, Florida. January 18-19, 2014.
72. Society of Breast Imaging 2014. Zuley ML. Case-Based Review and Advanced Breast Imaging Course: Digital Breast Tomosynthesis. DBT 1: Basic Principles – Technical Considerations; DBT 5: Workflow and other Practical Issues; DBT 8: Review Cases 3; Multimodality Case Challenge: Interventional”. Las Vegas, Nevada. September 20-21, 2014.
73. International Oncology Symposium. Zuley ML. Breast Cancer Screening: Truths and Controversies. Astana, Kazakhstan, September 24, 2014.
74. International Oncology Symposium. Brufsky A, Heron D, Zuley ML. Clinical Workshop on Breast Cancers and Clinical Case Review – Breast Cancer. Astana, Kazakhstan, September 25, 2014.

75. Update in Internal Medicine. Breast Cancer Controversies Debate Zuley ML, Brusky A. Pittsburgh Marriott City Center. Pittsburgh PA. October 23, 2014.
76. ICPME – Breast Tomosynthesis Interpretation – A hands-on Workshop. Co-director. “Buttonology”; “Interactive Case Review”. Ritz Carlton, Las Vegas Nevada. October 31, 2014.
77. Michigan Radiologic Society. Biennial Breast Imaging Course. Zuley ML. Ultrasound Screening; Tomo – Scientific Evidence for Use; Tomo – How I read it and How I make it work for you. Inn at St. John Plymouth, Michigan. November 8, 2014.
78. Society of Breast Imaging 2015. Zuley ML Case-Based Review and Advanced Breast Imaging Course: Digital Breast Tomosynthesis. DBT 1: Basic Principles – Technical Considerations; DBT 5: Workflow and other Practical Issues; DBT 8: Review Cases 3; Multimodality Case Challenge: Interventional”. Orlando Florida, Hilton Lake Buena Vista. January 17-18, 2015
79. Pittsburgh Mammography Society Meeting. Tomosynthesis. Zuley ML, Chang, T. Allegheny General Hospital, Pittsburgh PA. January 21, 2015.
80. Grand Rounds and resident conference at Yale. Tomosynthesis: Radiology 3.0 at work. Yale University, New Haven , CT. February 12, 2015
81. Grand Rounds Lecture Series. Tomosynthesis: Radiology 3.0 at work. Sloan-Kettering New York, New York. February 26, 2015 .
82. Postgraduate Institute for Medicine. Sumkin JH, Zuley ML. Digital Breast Tomosynthesis in Practice: A Case Presentation. A certified live webinar for radiologists and radiologic technologists. March 3, 2015.
83. Breast Symposium 2015. Zuley ML. Breast Density and Personalized Breast Cancer Screening. Herberman Conference Center, UPMC Shadyside, Pittsburgh, PA. April 24, 2015.
84. Society of Breast Imaging 2015. Zuley ML. How to Implement DBT and DBT Biopsy in your practice. Orlando Florida, Hilton Lake Buenna Vista. April 27-28, 2015.
85. Society of Breast Imaging 2015. Zuley ML Case-Based Review and Advanced Breast Imaging Course: Digital Breast Tomosynthesis. DBT 1: Basic Principles – Technical Considerations; DBT 5: Workflow and other Practical Issues; DBT 8: Review Cases 3; Multimodality Case Challenge: Interventional”. San Diego, September, 2015
86. Cleveland Clinic – Grand Rounds – Tomo 3.0 and Noon Conference – Case Reviews. Cleveland Ohio, December 16, 2015.
87. Gynecologic Oncology Grand Rounds. Personalized Screening Algorithm. University of Pittsburgh, Pittsburgh PA January 5, 2016.
88. Society of Breast Imaging 2016. Zuley ML Case-Based Review and Advanced Breast Imaging Course: Digital Breast Tomosynthesis. DBT 1: Basic Principles – Technical Considerations; DBT 5: Workflow and other Practical Issues; DBT 8: Review Cases 3; Multimodality Case Challenge: Interventional”. Orlando, Florida January 16-17, 2016.

89. SBI/ACR Breast Imaging Symposium 2016. Zuley ML. Screening with new modalities: Digital Breast Tomosynthesis; Career Track. Comparing Academic and Private Practice. JW Marriott Austin; Austin, Texas. April 7-10, 2016.
90. American Society Radiologic Technologist. ASRT. Zuley ML. Workflow Radiology 3.0. Magee-Womens Hospital of UPMC Auditorium. May 3, 2016.
91. Society of Breast Imaging 2016. Zuley ML Case-Based Review and Advanced Breast Imaging Course: Digital Breast Tomosynthesis. DBT 1: Basic Principles – Technical Considerations; DBT 5: Workflow and other Practical Issues; DBT 8: Review Cases 3; Multimodality Case Challenge: Interventional”. San Diego, California September 16-18, 2016.
92. Breast Symposium 2016: Updates in the Management of Breast Cancer / Breast Disease. Zuley ML. Screening Recommendations. Herberman Conference Center UPMC Shadyside, Pittsburgh, PA. October 2016.
93. New York University Mt. Sinai Campus. Grand Rounds: Tomo 3.0. New York, New York. March 6, 2017
94. Society of Breast Imaging 2017. Zuley ML Tomosynthesis Course. Basic Principles – Technical Considerations
95. Society of Breast Imaging 2017. Zuley ML Tomosynthesis Course. Workflow and other Practical Issues April 3, 2017 Los Angeles, California.
96. Society of Breast Imaging Annual Symposium 2017. Zuley ML National Mammography Database (NMD): Why Participation Matters. Las Vegas, NV. April 4-9, 2017.
97. Society of Breast Imaging. Zuley ML Digital Breast Tomosynthesis. Basic Principles – Technical Considerations Las Vegas NV April 2018.
98. Society of Breast Imaging. Zuley ML Digital Breast Tomosynthesis Course. Workflow and other Practical Issues. Las Vegas NV April 2018.
99. Breast Symposium 2018: Updates in the Management of Breast Cancer / Breast Disease. Zuley ML. Updates in Breast Imaging. Herberman Conference Center UPMC Shadyside, Pittsburgh, PA. October 2018.
100. Society of Breast Imaging Annual Meeting. Zuley ML, Sumkin JH. Tomosynthesis Guided Procedures, Las Vegas NV 4/13/2018
101. Radiological Society of North America 2018. Zuley ML. Diagnostic Tomosynthesis. Chicago II, Nov 30, 2018.
102. Society of Breast Imaging Annual Symposium. Zuley ML. Slab vs Slice. Savannah, GA May 18, 2022

RESEARCH FUNDING:

Active Grant Participation

12/14/21- 11/30/26	Contrast Enhanced Mammography (CEM) to Reduce Biopsy Rates for Less Than Highly Suspicious Breast Abnormalities: a Prospective Study R01 CA258898-01A1 Principal Investigator	NIH/NCI	\$2,011,380
8/14/20 – 5/31/24	Sequential Reading Effects in Digital Breast Tomosynthesis R01 CA237827 Principal Investigator	NIH/NCI	\$1,624,470
6/1/20 – 5/31/25	Developing a personalized breast cancer screening tool using sequential mammograms 1 R37 CA248207 Co-investigator	NIH/NCI	\$1,789,970
8/1/21 – 7/31/24	CICI: SIVD: Discover and defend cyber vulnerabilities of deep learning medical diagnosis models to adversarial attacks 2115082 Co-Investigator	NSF	\$499,338
5/1/19 – 2/28/25	NCI NCTN-Network Lead Academic Participating Site at UPMC Hillman Cancer Center CA233184 Co-Investigator	NIH/NCI	\$911,076
3/15/21 – 2/28/26	Satisfaction of Search in Breast Cancer Detection R01 CA259048 Co-Investigator	NIH/NCI	\$3,052,729
10/1/2019- 9/30/2020	Improving Surveillance of Women with a Personal History of Breast Cancer Using Contrast-Enhanced Mammography (CEM) Co-Investigator	Breast Cancer Research Foundation	\$199,478
10/1/2020- 9/30/2021	Incidence Screening CEM to Improve Surveillance of Women with Personal History of Breast Cancer Using Contrast-Enhanced Mammography (CEM) Co-Investigator	Breast Cancer Research Foundation	\$87,500
4/1/20-3/31/21	UPMC Linkage of Breast Imaging and Cancer Registry Data to Ascertain Optimal Patient Care Principal Investigator	Hillman Cancer Foundation	\$50,000
3/1/16 – 1/31/18	Prospective assessment of contrast enhanced mammography/tomosynthesis to reduce biopsy rates for low probability breast masses. Phase 1 study.	Hologic Inc	\$160,000

	Exhibit R-1 Principal Investigator		
7/1/16 – 6/30/21	Quantitative assessment of breast MRIs for breast cancer risk prediction RO1 CA 193603 Co-investigator	NIH/NCI	\$1,697,056
12/14/17 – 06/30/21	Assessment of contrast enhanced mammography/tomosynthesis to reduce biopsy rates for low probability breast masses Exhibit Q-1 Principal Investigator	Hologic Inc	\$96,000
7/1/15 – 12/31/18	Improving Perception in Digital Breast Tomography R01 CA207490 Co-investigator	NIH/NCI	\$1,854,959
6/1/15 – 5/31/2020	A Prospective Study to Evaluate the Performance and Operation of the Brevera Breast Biopsy System Clinical Investigator	Hologic, Inc.	\$60,000

Previous Grant Participation

12/1/09 - 11/30/14	Observer Studies Involving Search: Modeling and Analysis 2R01EB005243-05 Co-Investigator	NIH/NIBIB	\$1,174,578
7/11/17 – 6/30/19	Comparison of Molecular Breast Imaging (MBI) to Magnetic Resonance Imaging (MRI) and Contrast Enhanced Spectral Mammography (CESM) for staging breast cancer in women with a new diagnosis of breast cancer Clinical Investigator	GE Healthcare	\$272,383
7/1/15 - 6/30/19	Assessment of periodic screening of women with denser breast using WBUS and DBT R01 CA187593 Clinical Investigator	NIH/NCI	\$1,539,148
7/1/10-6/30/14	Dose Reduction and Performance Enhancement During DBT Screening R21 CA144055	NIH-NCI	\$161,020

	Principal Investigator		
10/1/11-4/30/14	The Cancer Imaging Archive Exhibit M-1 Principal Investigator	Hologic, Inc	\$52,000
5/10/13-11/22/15	Assessment of different compression devices aimed at reducing pain during mammography Exhibit M-1 Principal Investigator	Hologic	\$65,000
9/18/12-8/31/15	Painless Mammography R21 CA165146 Principal Investigator	NIH/NCI	\$186,750
07/01/12-7/31/15	Quantitative Evaluation of Reconstruction Algorithms R21 EB15053 Clinical Investigator	NIH/NIBIB	\$62,031
4/1/07 – 3/31/11	Breast Cancer Risk Stratification with Resonant Electrical Impedance Spectroscopy CA127169 Clinical Investigator	NIH/NCI	\$940,532
4/1/06 – 3/31/09	Clinical Study of the Selena Tomosynthesis Mammography System Exhibit B-1 Clinical Investigator	Hologic, Inc.	\$ 91,504
1/08 – 1/10	Program in BRCA-Related Malignancies Project 3 – Monitoring High Risk Women Using With Multi Parametric Diffusion and Sodium MRI Clinical Investigator	Shapira Family Foundation	\$350,000
8/20/08 – 8/19/12	A comparison of diagnostic performance of digital breast tomosynthesis (DBT), cone beam CT (CBCT), and MRI in women with known breast abnormalities KG080349 Principal Investigator	Susan G. Komen Foundation	\$470,414
8/1/08 - 10/31/12	Acquisition of pre-biopsy Tomosynthesis examinations Exhibit E-1 Clinical Investigator	Hologic, Inc.	\$ 30,000
3/1/08 - 6/30/09	Assessment of possible changes of diagnostic practice with tomosynthesis Exhibit D-1	Hologic, Inc.	\$80,000

	Clinical Investigator		
11/1/09 – 10/31/10	Assessment of diagnostic BIRADS ratings (FFDM + compression views versus FFDM + tomosynthesis) Exhibit H-1 Principal Investigator	Hologic, Inc	\$20,000
12/1/2009 – 11/30/15	Digital Breast Tomosynthesis (DBT) in a Screening Environment: A Prospective Study. Grant # CA143019 Clinical Investigator	NIH/NCI	\$830,000

Invited publications:

1. Zuley ML, Innovations in Breast Imaging: New Technologies That Patients Ask About. Medicare B Hotline Bulletin, December 2001, p17.
2. Zuley ML. Workstation Functionality Tops Digital Mammography Needs. Diagnostic Imaging, December 2007.
3. Zuley ML. DOTmed.com HealthCare Business (DM26022) – Feature: Tomosynthesis: A new gold standard? July, 2015

Seminars and Invited Lectureships

- 2006 RSNA 2006, Chicago, IL, “MR Guided Breast Biopsy” (Refresher Course)
- 2006 RSNA 2006, Chicago, IL, “Perceptual Issues in Reading digital Mammograms” (Refresher Course)
- 2007 RSNA 2007, Chicago, IL. “MR Guided Breast Biopsy” (Refresher Course)
- 2007 RSNA 2007 Chicago, IL. “Perceptual Issues in Reading Digital Mammograms” (Refresher Course)
- 2007 RSNA 2007, Chicago, IL. “How to Incorporate Digital Mammography into Your Practice” (Refresher Course)
- 2008 Women’s Imaging 2008. “MR-guided Breast Biopsy”, University of Rochester, San Antonio, TX. (Refresher Course)
- 2008 New York Breast Imaging Society “The Transition to Digital Mammography”, New York, NY.
- 2008 Mayo Clinic Grand Rounds. “State of the Art in Breast Imaging”, Jacksonville, FL.
- 2008 RSNA 2008. “How to Incorporate Digital Mammography into Your Practice”. Chicago, IL.
- 2008 RSNA 2008. “Perceptual Issues in Reading Digital Mammograms”. Chicago, IL
- 2008 RSNA 2008. “Digital mammography”. Chicago, IL.

- 2009 RSNA 2009. “Perceptual Issues in Reading Digital Mammograms”. Chicago, IL
- 2009 RSNA 2009. “How to Incorporate Digital Mammography into Your Practice”. Chicago, IL
- 2009 RSNA 2009. “MR imaging – guided breast biopsy. Chicago, IL
- 2010 Joint FDA-MIPS Workshop on Methods for the Evaluation of Imaging and Computer-assist Devices. Rockville, MD. July 14, 2010.
- 2010 RSNA 2010. “Digital Mammography”. Chicago, IL
- 2010 RSNA 2010. “MR imaging – guided breast biopsy”. Chicago, IL
- 2011 RSNA 2011 MRI guided biopsy, Refresher course. Chicago, IL
- 2013 RSNA 2013 MRI guided breast biopsy, Refresher course. (hands-on-workshop).
- 2017 RSNA 2017 Hot Topics in Breast Imaging – Refresher Course (Hot Topics)
- 2018 RSNA 2018 Tomosynthesis in Diagnostic Patients- Refresher Course

Other research related activities:

2007-present	FDA Radiology Devices Panel	Consultant
2004-present	Hologic, Inc. Bedford, MA	Scientific Advisory Panel
2004-2006	Advisory Radiology Committee Preferred Care Insurance Company Rochester, NY	Member
2003-2005	Fischer Imaging Denver, CO	Medical Advisory Board
2009, 2017, 2021	National Institutes of Health	Grants reviewer
2020-present	Malcova, Inc	Consultant
Reviewer (intermittent)	Breast Cancer Research and Treatment Journal Annals of Surgical Oncology European Radiology Academic Radiology American Journal of Roentgenology	

Community service:

- 2009 Breast Cancer Education Series Magee-Womens Hospital of UPMC
Diagnostic Breast Imaging and what it means to breast cancer patients
- 2010 Breast Cancer Education Series Magee-Womens Hospital of UPMC
Diagnostic Breast Imaging and what it means to breast cancer patients
- 2010 Patient DVD. Diagnostic and Biopsy Services for Breast Evaluation. J Sumkin, M Zuley. Magee-Womens Hospital of UPMC.
- 2010 WTAE TV Pittsburgh – interview with Andrew Stockey
Ex-hospital worker indicated over false mammogram results
- 2010 American Roentgen Ray Society: Womens imaging online.arrs.org
Feature Article: The inside View Tomosynthesis
- 2011 Pittsburgh Post-Gazette: 3D technology at Magee Lessons mammogram recalls. Sumkin JH, Zuley ML.
- 2012 American Society of Radiologic Technologists. Magee-Womens Hospital Technologist Meeting
Radioactive Seed Localization and National Mammography Database (NMD)
- 2013 incommunitymagazine.com. Tomosynthesis offers women greater detection of breast abnormalities.
Woodland Hills, Spring 2013.
- 2013 Blog post: Making Sense of Breast Cancer Screening Options.
<http://insideupmc.blogspot.com/2013/03/making-sense-of-breast-cancer-screening.html>
- 2013 Breast Cancer Screening Test. Daily Health News; A consumer E-letter produced by Boardroom, Inc.
Stamford, CT.
- 2013 October Issue of ACR Bulletin – Contributor in: Breast Imaging in a New Dimension.
- 2014 Article in Bottom Line Personal. Don't let a recent study on mammograms stop you. Volume 35,
Number 9. May 1, 2014.
- 2014 Article in Whirl Magazine, Issue 153; October 2014. Zuley ML. Reduce your Rate. WHIRL Publishing,
Inc, Pittsburgh PA
- 2014 Medical Monday: Margarita Zuley; 3D Mammography.
- 2014 UPMC Imaging Services; Video: Jules Sumkin, Margarita Zuley, Mitch Tublin, Laura Gailey Moul. The
leaders of UPMC Imaging Services explain the evolution and goals of the Service Line.
- 2014 Article in Whirl Magazine Issue 154; November 2014. Zuley ML. UPMC Margarita Zuley leads Magee-
Womens Hospital in Superior Patient Care. WHIRL Publishing, Inc, Pittsburgh PA.
- 2016 Cancer Insights UPMC Cancer Center. Margarita Zuley. Personalized Breast Cancer Screening.

- 2016 Magee-Womens Hospital of UPMC, Board of directors meeting. Personalized Breast Screening. Pittsburgh PA.
- 2017 Zuley M. Stop Dreading Your Mammogram. Bottom Line Health Volume 31; Number 8: August 2017.

National Service:

2018-present	ACR National Radiology Data Registries	Chair
2018- present	ACR Commission on Quality	Member
2019-present	ACR Breast Commission Emerging Technologies Subcommittee	Member
2017-2020	Radiological Society of North America Refresher Course Committee	Track Chair / Breast Imaging
2018-present	Society of Breast Imaging Journal of Breast Imaging Editorial Board	Member
2020-present	Society of Breast Imaging Executive Strategy Committee	Member
2015 -2020	Society of Breast Imaging	Board of Directors
2017 -2019	Society of Breast Imaging Councilor to ACR for SBI	Councilor
2015-2017	Society of Breast Imaging Councilor to ACR for SBI	Alternate Councilor
2018-2019	Society of Breast Imaging	Vice President
2019-2020	Society of Breast Imaging	President
2018-2019	Society of Breast Imaging Education Committee	Chair
2017-2019	Society of Breast Imaging Journal of Breast Imaging Steering Committee	Member
2015-2020	Society of Breast Imaging Annual Symposium Planning Committee	Member
2018-2019	Society of Breast Imaging Annual Symposium Planning Committee	Chair

2017-2018	Society of Breast Imaging Annual Symposium Scientific Program Committee	Chair
2016-2019,2021	Society of Breast Imaging Annual Symposium Scientific Program Committee	Member
2015-2017	Society of Breast Imaging Communications Committee	Chair
2014-2020	Society of Breast Imaging Corporate Relations Committee	Member
2014-2018	ACR National Mammography Database	Chair
2018-present	ACR National Mammography Database	Member
2012-2016	ACR Quality Assurance in Mammography Subcommittee	Member
2011-2015	ARRS (American Roentgen Ray Society) Instructional Course Committee-Breast Section	Breast Section Lead
2011-2013	Society of Breast Imaging (SBI) Rapid Response and Media committee	Member
2011-2017	National Cancer Institute TCIA Breast Committee	Member
2008-2012	ACR Quality Assurance in Mammography Subcommittee	Member
2008-2013	Society of Breast Imaging Communications Committee	Member
2007-2014	ACR National Mammography Database Subcommittee	Member
2006	American College of Radiology Representative to the FDA Radiological Device Panel Meeting and Re-Classification of Full-Field Digital Mammography (FFDM) Systems	
2005-2008	IHE Mammography Subcommittee	Co-Chair
2005-present	American College of Radiology Subcommittee on US Lexicon Breast Cancer	Member
2005-2006	American College of Radiology Digital Mammography Image Quality Working Group	Member

2004 -2005	Rochester Roentgen Ray Society	Officer
1998-2004	American College of Radiology Mammography Accreditation Program	Clinical Reviewer for Mammography

Local Service:

2009-2020	Resident Education Committee Department of Radiology University of Pittsburgh Medical Center	Member
2009-2020	Resident Education Curriculum Committee Department of Radiology University of Pittsburgh Medical Center	Member
2014-2018	Resident Advisor Department of Radiology University of Pittsburgh Medical Center	Member
2013-present	Mammography Quality Committee Department of Radiology University of Pittsburgh	Chair
2014-present	Breast and Ovarian Cancer Program (BOCP) University of Pittsburgh Cancer Institute	Member
2015-present	Lung Cancer Screening Committee Department of Radiology University of Pittsburgh	Member
2015- 2019	Physician Clinical Quality Leadership Committee University of Pittsburgh Medical Center	Member
2015-present	Academic Promotions Committee Department of Radiology University of Pittsburgh	Member
2015-2019	Compensation Committee Department of Radiology University of Pittsburgh	Member
2015-2017	IT Committee Department of Radiology University of Pittsburgh	Member
2015-2015	VP Imaging Service Recruitment Committee Department of Radiology University of Pittsburgh	Member

2015- present	QA Committee Department of Radiology University of Pittsburgh	Chair
2015-present	Cancer Committee Magee-Womens Hospital of UPMC	Member
2015-present	Imaging Leadership Committee Department of Radiology University of Pittsburgh	Member
2016	Pittsburgh Breast Imaging Society	Board Member
2015-2020	Contrast Reaction Safety Program Committee Dept of Radiology University of Pittsburgh	Chair
2020- present	Contrast Reaction Safety Program Committee Dept of Radiology University of Pittsburgh	Member
2016- present	Peer Review Committee Dept of Radiology University of Pittsburgh	Chair
2016-2020	MRI Safety Committee Dept of Radiology University of Pittsburgh	Chair
2020-present	MRI Safety Committee Dept of Radiology University of Pittsburgh	Member
2018-present	Point of Care Ultrasound Committee Dept of Radiology University of Pittsburgh	Chair
2022-present	Radiation Safety Committee University of Pittsburgh	Vice-Chair

Mentorship

2021- present	SCARD LEAD program	Participant
2020-2022	Pittsburgh Women Leaders (Invited group of local female leaders)	Member

External Mentees:

2018-2021	Sadia Choudhery, MD	Mayo Clinic, Rochester, MN
2016-present	Karl Yeager, MD	Lancaster, PA
2016-2019	Cindy Lee, MD	NYU
2016-2019	Monica Froicu	Geisinger Health System
2016-2020	Ernestine Thomas	UPMC Hamot

Internal Mentees:

2020- present Pitt Women in Radiology Founder
The mission of this group is to expand leadership skills and opportunities for women in our department and to support the personal and professional needs of our women faculty and trainees

2019- present Dr Bronwyn Nair
Assistant Professor, UPMC - Support her oversight of BI resident education and BI fellowship program as well as development of structured curriculum for all trainees in BI. I have given her some of my academic time every month to assist with her success.

2019- present Dr Kim Harnist
Clinical Assistant Professor, UPMC - Support ongoing development of same day screen program development

2020- present Dr Amy Lu
Assistant Professor, UPMC -Supported her professional growth leading divisional initiatives including BIRADS reporting, general US tech training to cover off hours breast exams and procedures and paperless screen projects.

2020-present Dr Adrienne Vargo
Assistant Professor, UPMC -Supported her transition to UPMC and her first year in an academic practice

2017-2021 Dr Uzma Waheed
Assistant Professor, UPMC -Provided sponsorship and mentorship. Given research lead opportunities including CEM biopsy, CEM kinetics research and 2 book chapter first author opportunities as well as mentorship for personal leadership development.

2017-2020 Dr Golibar Houshmand
Assistant Professor, UPMC - Provided mentorship for personal issues and professional development

2020-present Dr Amy Kelly
Clinical Assistant Professor, UPMC- Providing mentorship for growth as a site leader.

2021-present Dr Aneta Kowlaski
4th year Pitt medical student. - Mentoring regarding professional life and research on CEM biopsy.

2021- present Dr Katie Traylor
Assistant Professor, UPMC – Providing mentorship on promotions planning and work life balance

