Curriculum Vitae

Jafi Alyssa Lipson, M.D.

Assistant Professor of Radiology, Breast Imaging Section

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I. Academic Background

College and Medical School

1991-1995	Harvard University, A.B. *Magna Cum Laude,* History of Science
1999-2003	University of California, San Francisco, M.D.

Residency and Fellowship Training

2004-2005	Internship, Internal Medicine St. Mary's Medical Center (SF, CA)
2005-2009	Residency, Diagnostic Radiology University of California, San Francisco
2007-2008	Research Fellowship, NIH T32 University of California, San Francisco
2009-2010	Fellowship, Breast Imaging, Department of Radiology Stanford University School of Medicine

Board Certification and Licenses

2005	California Medical License, No. A92300
2008	DEA License, No. BL9451042
2009	American Board of Radiology Certification, No. 56692
2009	Radiology Supervisor and Operator Certificate

II. Professional Appointments

7/1/10-7/31/10	Acting Assistant Professor of Radiology, Breast Imaging Section Department of Radiology, Stanford University School of Medicine
8/1/10-7/31/14	Assistant Professor of Radiology, Breast Imaging Section Department of Radiology, Stanford University School of Medicine

III. Honors and Awards

1991-1995	*Elizabeth Cary Agassiz & John Harvard Scholarships*: Awarded by Radcliffe & Harvard Colleges for academic achievement of the highest distinction.
1994	*Ford Foundation Research Fellowship*: Senior honors thesis research on "celluloid therapy", the use of movies in the rehabilitation of amputee veterans of WWII.
1995	*Michael C. Rockefeller Memorial Fellowship*: Awarded by Harvard University for a year of purposeful postgraduate travel and writing in Italy.
2002	*UCSF Curriculum Ambassador Scholarship*: Awarded for work on developing the new UCSF School of Medicine curriculum.
2003	*Alpha Omega Alpha Honor Medical Society*: Elected Member.
2007-2008	*UCSF NIH T32 Training Grant Recipient*: Awarded for a year of research on radiation dose with CT.

IV. Scholarly Publications

A. Peer-Reviewed Scientific Publications (20 total: 19 published, 1 submitted)

Published

1. **Lipson JA**, Qayyum A, Avrin DE, Westphalen AC, Yeh BM, Coakley FV. "CT and MRI of hepatic contour abnormalities." AJR Am J Roentgenol. 2005 Jan; 184(1):75-81.
2. **Lipson JA**, Coakley FV, Baskin LS, Yeh BM. "Subtle renal duplication as an unrecognized cause of childhood incontinence: diagnosis by magnetic resonance urography." J Pediatr Urol. 2008 Oct;4(5): 398-400. PMCID: PMC2572184
3. Smith-Bindman R, **Lipson J**, Marcus R, Kim KP, Mahesh M, Gould R, Berrington de Gonzalez A, Miglioretti D. "Radiation dose associated with common computed tomography examinations and the associated lifetime attributable risk of cancer." Arch Intern Med. 2009 Dec 14;169(22): 2078-86.
4. van de Ven SM, Lin MC, Daniel BL, Sareen P, **Lipson JA**, Pal S, Dirbas FM, Ikeda DM. "Freehand MRI-guided preoperative needle localization of breast lesions after MRI-guided vacuum-assisted core needle biopsy (VACNB) without marker placement." J Magn Reson Imaging. 2010 Jul;32(1):101-9.
5. Meng K, **Lipson JA.** "Utilizing a PACS-integrated ultrasound-guided breast biopsy simulation exercise to reinforce the ACR practice guidelines for ultrasound-guided percutaneous breast interventional procedures during radiology residency." Acad Radiol. 2011 Oct;18(10):1324-8.
6. Percha B, Nassif H, **Lipson J**, Burnside E, Rubin D. "Automatic classification of mammography reports by BI-RADS breast tissue composition class." J Am Med Inform Assoc. 2012 Sep-Oct;19(5):913-6. PMCID: PMC3422822
7. de Bruin MA, Kwong A, Goldstein BA, **Lipson JA,** Ikeda DM, McPherson L, Sharma B, Kardashian A, Schackmann E, Kingham KE, Mills MA, West DW, Ford JM, Kurian AW. "Breast cancer risk factors differ between Asian and white women with BRCA 1/2 mutations." Fam Cancer. 2012 Sep;11(3):429-39.
8. Daniel BL, Granlund KL, Moran CJ, Alley MT, **Lipson J**, Ikeda DM, Kao J, Hargreaves BA. "Breast MRI without gadolinium: utility of 3D DESS, a new 3D diffusion weighted gradient-echo sequence." Eur J of Radiol. 2012 Sep;81 Suppl 1:S24-6.
9. Horst KC, Ikeda DM, Fero KE, **Lipson JA,** Pal S, Goffinet DR, Dirbas FM. "Mammographic Findings Associated with Accelerated Partial Breast Irradiation Using Single Fraction Intraoperative Radiotherapy." J Cancer Ther. 2012 Oct 31;3(5): 655-661.
10. Moran CJ, Hargreaves BA, Saranathan M, **Lipson JA**, Kao J, Ikeda DM, Daniel BL. "3D T2-weighted spin echo imaging in the breast." J Magn Reso Imaging. 2013 Apr 17. Epub ahead of print. PMCID: PMC3735677
11. Golden DI, **Lipson JA,** Telli ML, Ford JM, Rubin DL. "Dynamic contrast-enhanced MRI-based biomarkers of therapeutic response in triple-negative breast cancer." J Am Med Inform Assoc. 2013 Jun 26. Epub ahead of print.
12. Thompson M, **Lipson JA**, Daniel B, Harrigal C, Mullarkey P, Pal S, Thompson A, Ikeda DM. "Why Are Patient Noncompliant with Follow-up Recommendations After MRI-Guided Core Needle Biopsy of Suspicious Breast Lesions?" AJR Dec 2013 (201): 1391-1400.
13. Edward SD, **Lipson JA**, Ikeda DM, Lee J. "Updates and Revisions to the BI-RADS Magnetic Resonance Imaging Lexicon." Magn Reson Imaging Clin N Am 21 (2013) 483–493.

14. Price ER, Hargreaves J, **Lipson JA,** Sickles EA, Brenner RJ, Lindfors KK, Joe BN, Leung JWT, Feig SA, Bassett LW, Ojeda-Fournier H, Daniel BL, Kurian AW, Love E, Ryan L, Walgenbach DD, Ikeda DM. "The California Breast Density Information Group: A Collaborative Response to the Issues of Breast Density, Breast Cancer Risk, and Breast Density Notification Legislation." Radiology Dec 2013 (269/3): 887-892.
15. Nayak L, Beulieu CF, Rubin DL, **Lipson JA.** "A picture is Worth A Thousand Words: Needs Assessment for Multimedia Radiology Reports in a Large Tertiary Medical Center." Acad Radiol 2013; 20:1577–1583.
16. Saranathan, M, Rettman, D, Hargreaves B, **Lipson J**, Daniel B. "Variable spatio-temporal resolution 3D Dixon sequence for rapid dynamic contrast-enhanced breast MRI." J. Magn. Reson. Imaging. DOI: 10.1002/jmri.24490.
17. Kim SH, Lipson JA, Moran CJ, Shimakawa A, Kuo J, Ikeda DM, Daniel BL. "Image Quality and Diagnostic Performance of Silicone-Specific Breast MRI." Magnetic Resonance Imaging 31 (2013) 1472–1478.
18. Moran CJ, Hargreaves BA, Saranathan M, **Lipson JA**, Kao J, Ikeda DM, Daniel BL. "3D T2-weighted spin echo imaging in the breast." J Magn Reson Imaging. 2014 Feb;39(2):332-8 – PubMed PMID: 23596017
19. Kang BJ, **Lipson JA**, Planey KR, Zackrisson S, Ikeda DM, Kao J, Pal S, Moran CJ, Daniel BL. "Rim sign in breast lesions on diffusion-weighted magnetic resonance imaging: Diagnostic accuracy and clinical usefulness. J Magn Reson Imaging. 2014 Mar 3 – PubMed PMID: 24585455

Submitted

1. Trinh L, Ikeda D, Miyake K, Trinh J, Lee K, Dave H, Hanafusa K, **Lipson J**. "Patient Awareness of Breast Density and Interest in Supplemental Screening Tests: Comparison of an Academic Facility versus a County Hospital." Submitted to Radiology, May 2013.

B. Abstracts

Presented/Accepted

1. **Lipson JA**, Nwamuo DC, Rubin DL. "The Annotated Breast Map (ABM): A Novel Paradigm to Improve Interpretation in Breast Imaging." RSNA, Chicago, IL. November 2010.
2. Meng K, **Lipson JA**. "Utilizing a PACS-Integrated Breast Biopsy Simulator to Reinforce American College of Radiology (ACR) Practice Guidelines for Ultrasound-Guided (USG) Percutaneous Breast Intervention in Residency." Presented at AUR, April 2011.
3. Percha B, Rubin DL, **Lipson JA**. "Automatic Extraction of Breast Density Information from Mammography Reports." Abstract presented at the 5th International workshop on Breast Density and Breast Cancer Risk Assessment. 6/10/2011. RSNA, Chicago, IL. November 30, 2011.
4. Telli ML, Kurian AW, Jensen KC, Vinayak S, **Lipson JA**, Wapnir I, Daniel B, Carlson RW, Mills M, Warner D, Schackmann E, Rocha C, Ossovskaya VO, Sherman B, Bradley C, Ford JM. "Initial efficacy results of a phase II study of gemcitabine and carboplatin (GC) plus and iniparib (BSI-201) as a neoadjuvant therapy for triple-negative and BRCA1/2 mutation-associated breast cancer. San Antonio Breast Cancer Symposium (SABCS), December 9, 2011.
5. De Bruin M, Kwong A, Goldstein B, **Lipson JA,** Ikeda DM, McPherson L, Sharma B, Kardashian A, Schackmann EA, Kingham K, Mills M, West DW, Ford J, Kurian AW.

"Breast Cancer Risk Factors among Asian versus Caucasian women with BRCA 1/2 mutations." SABCS, December 9, 2011.

6. Nnewihe AN, Daniel BL, Qiu D, **Lipson J**, Rosenberg J, Ikeda D, Kim SH, Kao J, Hargreaves BA. "A novel method for coil array synthesis and application to breast {MRI}." Proceedings 20th Scientific Meeting of the ISMRM, Melbourne, Australia. 2012.
7. Nnewihe AN, Daniel BL, **Lipson J**, Moran C, Hargreaves BA. "High resolution breast {MRI}: comparison of coils in patients with breast lesions." Proceedings 20th Scientific Meeting of the ISMaMRM, Melbourne, Australia. May 2012.
8. Saranathan M, Rettmann DW, Hargreaves BA, **Lipson J**, Daniel B. "High Spatio-temporal Resolution Breast Dynamic Contrast Enhanced MRI at 3T." Proceedings 20th Scientific Meeting of the ISMRM, Melbourne, Australia. May 2012.
9. Thompson MO, **Lipson JA**, Daniel BL, Harrigal C, Mullarkey PJ, Ikeda DM. "Compliance with Recommended Follow-up after MRI-guided Core Needle Biopsy of Suspicious Breast Lesions: A Retrospective Study." July 2012 for RSNA November 2012.
10. Keen NN, Thompson MO, Ikeda DM, Pal S, **Lipson JA**. "Imaging Follow-up after Benign Concordant Image-Guided Breast Biopsy: Adherence, Cost, and Utility Considerations." July 2012 for RSNA November 2012.
11. Dave H, **Lipson JA**. "Patient Awareness of Breast Density and Interest in Additional Screening Tests for Women with Dense Breasts." RSNA, November 2012, Chicago, IL.
12. Golden D, **Lipson JA,** Telli M, Ford J, Rubin D. "Qualitative and Quantitative Image-Based Biomarkers of Therapeutic Response in Triple-Negative Breast Cancer." 2013 American Medical Informatics Association (AMIA) Joints Summit on Translational Bioinformatics. March 20, 2013, San Francisco, CA.
13. Ikeda DM, Hargreaves J, Price E, **Lipson J,** Joe BN, Lindfors K, Brenner RJ, Feig S, Bassett L, Leung J, Ojeda-Fournier H, Kurian A, Love E, Waldenbach D, Daniel BL, Sickles EA. "Impact of California Breast Density Notification Law SB 1538 Legislation on California Women and their Healthcare Providers." Breast Densitometry & Breast Cancer Risk Assessment International Workshop. CPMC Research Institute and UCSF, June 2013, San Francisco, CA.
14. **Lipson JA,** Hargreaves J, Price ER, Ikeda DM, Sickles EA, et.al. "Breast Density Website Formed by Radiology and Risk Assessment Practices in Response to California State Senate Bill SB 1538: How We Did It." RSNA, December 2013, Chicago, IL.
15. Nayak L, Beaulieu CF, **Lipson JA**. "A Picture is Worth A Thousand Words: Needs Assessment for Multimedia Radiology Reports in a Large Tertiary Care Medical Center." RSNA, December 2013, Chicago, IL.
16. Golden DI, **Lipson JA,** Telli ML, Ford JM, Rubin DL. "Detection of Triple-Negative Breast Tumors via DCE-MRI Kinetic Texture Analysis Following Chemotherapy." American Medical Informatics Association (AMIA) 2013 Annual Symposium, November 2013, Washington, DC.
17. Kang BJ, **Lipson JA**, Planey KR, Zackrisson S, Ikeda DM, Kao J, Pal S, Kim SH, Daniel BL. "Rim Sign of Breast Lesion on Diffusion Weighted Magnetic Resonance Image; Analysis of the Diagnostic Accuracy and Clinical Usefulness." RSNA, December 2013. Chicago, IL.
18. Ikeda DM, Thomas WR, Joe BN, Lindfors K, Brenner RJ, Feig S, Bassett LW, Leung J, Ojeda-Fournier H, Hargreaves J, Price E, **Lipson J**, Kurian AW, Love E, Walgenbach, DD, Ryan L, Durbin M, Daniel BL, Nayak L, Sickles EA . "Impact of California Breast Density Notification Law SB 1538 on California Women and Their Healthcare Providers." CTRC-AACR San Antonio Breast Cancer Symposium, December 2013, San Antonio, TX.

19. Choy N, **Lipson JA**, Kieryn A, Porter C, Pal S, Ikeda D, Trinh L, Ozawa M, Wheeler A, Allison K, Jensen K, Wapnir I. "Initial results with Black Ink Tatooing of Biopsied Lymph Nodes." American Society of Breast Surgeons 15th Annual Meeting, April 30-May 4, 2014, Las Vegas, NV.
20. Trinh L, Mikyake KK, **Lipson J**, Carpenter CM, Ikeda DM. "CT-Guided Localization of Axillary Lymph Node Markers after Neoadjuvant Chemotherapy for Breast Cancer". American Roentgen Ray Society Annual Meeting, May 5, 2014. San Diego, CA.

Submitted

1. Nayak L, Miyake K, Liu Y, Thomas W, Sickles E, Joe B, Lindfors K, Brenner RJ, Feig S, Bassett L, Leung J, Ojeda-Fournier H, Hargreaves J, Price E, **Lipson J**, Kurian A, , Love E, Walgenbach D, Ryan L, Durbin M, Daniel B, Lindag L, Ikeda D. "Impact of breast density notification laws on radiology practices: A survey of 110 radiology facilities." San Antonio Breast Cancer Symposium, Submitted 5/30/2014.

C. Digital publications and productions

1. Learning Channel, Discovery Channel, PBS, CNBC (7/95 – 8/99). *Associate Producer:* Contributed to research, development, production, and post-production elements of various documentary television series ("The Rivals," "Without Warning," "The Neighborhoods of San Francisco," "In Profile").
2. Coulson L, **Lipson J**, "The Art of Putting It All Together: The Head-to-Toe Physical Examination (video)", UCSF School of Medicine, (1999).
3. **Lipson J**, Tabas J et al, "Prevention Strategies for Needle Sticks and Body Fluid Exposures (video)", SFGH Emergency Department/UCSF, (1999).
4. Benitez C, **Lipson J**, "Violence Prevention Quick Reference Cards on Alcohol & Drug Use, Suicide, Child Abuse, and Rape", UCSF Student Health Professionals for Social Responsibility, (2001).
5. McGraw-Hill Company (1/02 – 12/03). *Content Editor:* Compiled, reviewed, and edited medical Internet resources for the Current Medical Diagnosis & Treatment textbook and its companion web page.
6. "Anesthesia core clerkship" WebCT course. Developed website which was subsequently used as a template for all core clerkships at UCSF School of Medicine. UCSF Dept of Anesthesia & Perioperative Care (12/02 – 2/03).
7. **Lipson J**, Hargreaves J, Price, E, on behalf of the California Breast Density Information Group (CBDIG). *www.breastdensity.info* (website). Online materials for patients and clinicians developed by a working group of breast radiologists and breast cancer risk specialists in response to breast density legislation in California (SB 1538). From 4/1/2013-5/31/2014, there have been 18,539 users to the website (83% new visitors, 17% returning visitors) across 9 countries including the US, Canada, UK, Australia, Germany, India, New Zealand, Netherlands, and Taiwan. The website is a featured patient information resource on the ACR website (http://www.acr.org/Quality-Safety/Resources/Breast-Imaging-Resources) and has also been adapted with permission by University of North Carolina, North Carolina Radiological Society, Michigan Cancer Consortium, Radiological Society of New Jersey, and the Oregon Breast and Cervical Cancer Program for use in response to the passage of legislation in their respective states.

V. Other Scholarly Activities

A. Grant Review

1. Invited Reviewer, Clinical/Translational Breast Cancer Applications for the Center of Scientific Review of the National Institutes of Health. 4/2011-present.

B. Abstract/Manuscript Review

1. Invited Abstract Reviewer, San Antonio Breast Cancer Symposium. 8/2011.
2. Invited Reviewer, Journal of the National Medical Association. 9/2011.
3. Invited Reviewer, Clinical Breast Cancer. 4/2013.
4. Invited Reviewer, American Journal of Clinical Oncology. 5/2013.
5. Invited Abstract Reviewer, San Antonio Breast Cancer Symposium. 6/2013.

VI. University Administrative Service

2000-01	UCSF Physicians for Social Responsibility: Member
2000-03	UCSF Curriculum Development Team: Curriculum Ambassador
2002-03	UCSF Moffitt-Long Hospital Ethics Committee: Member
2006	UCSF Graduate Medical Education Council: Radiology Resident Representative
2006-08	UCSF Medical Alumni Association Board: House Staff Representative
2009	UCSF Radiology Radiation Safety Committee: Invited speaker
2010	Stanford Radiology Residency Selection Committee: Member
2010	Stanford Breast Clinical Research Group (CRG): Member
2010	Stanford Breast Clinical Cancer Program (CCP): Member
2010	Stanford Multidisciplinary Breast Fellowship: Interviewer
2011	Stanford Radiology Quality Leadership Committee (RQLC): Member
2011	Stanford Radiology Professional Practice Evaluation Committee (PPEC): Member
2012	Stanford Radiology Residency Interview Selection Committee
2013	Stanford Radiology Faculty Review, Ad Hoc Committee
2013	Stanford Liaison Committee on Medical Education (LCME) Site Visit Working Group: Member

VII. Professional Organization Memberships

2005-present	Radiological Society of North America
2005-present	American College of Radiology
2009-present	Society of Breast Imaging

VIII. Lectures and Presentations

1. "Radiation Exposure with Diagnostic Imaging: Estimating Effective Dose of Common CT Exams." Bay Area Symposium on Clinical Research." 10/3/2008. San Francisco, CA.
2. "Radiation Exposure with Diagnostic Imaging: Estimating Effective Dose of Common CT Exams." Quality, Efficiency, and Pay-for-Performance: The Why, What, and How, conference of the American College of Radiology, 10/18/2008. Phoenix, AZ.
3. "Radiation Dose with CT." UCSF Radiology Safety Committee. 3/26/2009. San Francisco, CA.
4. "Breast Imaging in Breast Cancer Diagnosis." Stanford University School of Medicine Division of Oncology. Cancer Education Seminar Series. 10/5/2010. Stanford, CA.
5. "Targeted Ultrasound after Breast MRI", 'Anatomy, Physiology, & Pathology of the Breast". 9th Annual Symposium on Advances in Breast MRI. 10/14-16/2010. Las Vegas, NV.
6. "Breast Diagnostic Process," Stanford Visit for the Chinese Oncology Group. 6/6/2011. Stanford, CA.
7. "Breast Diagnostic Process," Stanford Visit for the Chinese Oncology Group. 7/18/2011. Stanford, CA
8. "Breast Diagnostic Process," Stanford Visit for the Chinese Oncology Group. 8/15/2011. Stanford, CA.
9. "HP Breast Cancer Awareness Presentations: Having A Mammogram & Its Possible Outcomes." 9/22/2011. Palo Alto, CA.
10. "High Risk MRI Screening for Breast Cancer: Current Guidelines and Challenges." SMRT Presidents Regional Meeting. 10/15-16/2011. Stanford, CA.
11. "Imaging work-up of palpable abnormalities; RSNA Refresher course preview." "Targeted Ultrasound after MRI." Mid-Atlantic Kaiser/DC ACR Breast Imaging CME. 10/23-24/2011. Washington D.C.
12. "History: Lump - Imaging work-up of palpable abnormalities." RSNA Case-Based Breast Imaging Refresher Course. 11/30/2011. Chicago, IL.
13. RSNA Refresher Course and Poster Session. 11/28-29/2012. Chicago, IL.
14. "Imaging and the Diagnosis and Management of Breast Cancer." Stanford University School of Medicine Division of Oncology. Cancer Education Seminar Series. 10/2/2012. Stanford, CA.
15. "California Breast Density Information Group (CBDIG) Breast Density Webinar." California Radiological Society. 3/11/2013. Stanford, CA.
16. "Breast cancer screening (guidelines for who to screen, at what age, at what interval, and how to manage higher risk patients, including the variety of perspectives surrounding this topic) as well as a general overview of the management of breast cancer." One Medical Group and Breast Screening Rounds. 4/17/2013. Palo Alto, CA.
17. "Breast Radiology and Gross Pathology." 9/20/2013. Stanford, CA.
18. "Emerging Breast Imaging Strategies." Session within the emerging technologies track at RSNA 2013. 12/5/2013. Chicago, IL.
19. "Pitfalls in Breast Imaging: Session 1." IAME Radiology CME 10/4/2013. Las Vegas, NV.
20. "Pitfalls in Breast Imaging: Session 2." IAME Radiology CME 10/4/2013. Las Vegas, NV.
21. "Breast Cancer Screening and Diagnosis." Stanford University School of Medicine Division of Oncology. Cancer Education Lecture Series. 10/15/2013. Stanford, CA.

IX. Teaching

A. *Medical Student Courses*

1. UCSF Rad-Path Correlation: Laboratory Guide. 2006-2007.
2. UCSF Radiology Elective: Instructor. 2007-2008.
3. Stanford Radiology 301A Elective: "Breast Imaging." 2010 – present.

B. *Stanford Radiology Residency Core Curriculum (2010 – present)*

1. "Breast Imaging Board Review."
2. "Preoperative Wire Localizations: What, Why, and How?"
3. "Breast Masses."
4. "Breast Implants."
5. "Imaging Work-up of Palpable Breast Abnormalities."

C. *Stanford Pathology Residency Core Curriculum (2010 – present)*

1. "Introduction to Breast Imaging."

D. *Stanford Radiation Oncology Residency Core Curriculum (2010 – present)*

1. "Introduction to Breast Imaging."

X. Mentorship

A. *Medical Students*

1. Stephanie Font Diaz, 4th year medical student from University of Puerto Rico, during her Stanford radiology rotation under the auspices of the Stanford CTR Scholars Program. 11/ 2010.
2. Nava Pincus, 4th year medical student from Einstein School of Medicine, New York, during her Stanford radiology rotation. 11/2010.

B. *Residents*

1. Lina Nayak, Stanford radiology resident, collaborating on a retrospective reader study of BI-RADS 4 breast lesions (Spring 2012), and survey-based needs assessment for multimedia radiology reports in a tertiary care medical center (Spring 2013).
2. Haatal Dave, MD intern at St. Vincent's Medical Center, Bridgeport, CT, visiting for a one month research elective collaborating on survey of patient awareness of breast density and interest in alternative screening modalities for women with dense breasts.

C. *Graduate Students*

1. Abra Jeffers, Stanford PhD candidate, School of Management Science and Engineering.
2. Rebecca Sawyer, Stanford PhD candidate, Biomedical Informatics.
3. Francisco Gimenez. Stanford PhD candidate, Biomedical Informatics.

D. *Breast Imaging Fellows*

1. James Kuo (2010-2011)
2. Ken Meng (2010-2011)
3. Paul Mullarkey (Fall 2011)
4. Chivonne Harrigal (2011-2012)
5. Nayela Keen (Spring 2012)
6. William Russell Thomas (2012-2013)
7. Sonya Edwards (2012-2013)
8. Marnie Kremer (2013-2014)
9. Stacey Keel (2013-2014)
10. Long Trinh (2013-2014)

XI. Professional Development

1. 2013 Radiological Society of North America Clinical Trials Methodology Workshop (1/12/2013 – 1/18/2013, Scottsdale, AZ): Selected to participate in an intensive six and a half day workshop to learn how to develop protocols for the clinical evaluation of imaging modalities.

2. Stanford Radiology Leadership Program (2/2013 – 6/2013, Stanford, CA): Selected as 1 of 12 Department of Radiology faculty members to participate in 6, 2-hour working sessions on the following topics: defining leadership, prioritizing the important versus the immediate, strategic thinking, leading change in an academic setting, emotional intelligence, and talent management.

3. Advanced Stanford Leadership Development Program (11/2013 – 4/2014, Stanford, CA): Selected as 1 of 60 faculty who have participated in the Faculty Fellows Program, Stanford Leadership Development Program, or Radiology Leadership Program in the past, to participate in 3 2 day sessions with a curriculum focused on understanding team dynamics and how to effectively lead teams.

XII. Grants

A. Active

Funder: NIH/NIBIB
SPO#: 43519
Dates: 9/15/08 – 12/31/16 (0.6 CM)
Title: *1 R01 EB009055-06 High-Resolution Whole-Breast MRI at 3.0T*
Role: Investigator (Co-P.I.'s: Brian Hargreaves, Bruce Daniel)
Goal: Magnetic resonance imaging (MRI) is an accurate method to detect breast cancer, and has recently been shown to be cost-effective in screening high-risk patients. This research will develop much higher resolution MRI, allowing it to better classify small lesions, prevent unnecessary biopsy, and detect cancer earlier.

Funder: BiPar Sciences/Sanofi-Aventis
SPO#: 43545
Dates: 7/1/10 – 6/30/15 (1.20 CM)
Title: *A Phase II Study of Gemcitabine, Carboplatin and Poly (ADP) Ribose Polymerase (PARP) Inhibitor BSI-201 in the Neoadjuvant Treatment of Triple-Negative and BRCA-associated Breast Cancer*
Role: Participating Faculty Member (Co-P.I.'s: Allison Kurian, Melinda Telli)
Goal: To evaluate qualitative and quantitative patterns of response to neoadjuvant PARP inhibitor therapy using dynamic contrast-enhanced breast MRI, and correlative histology and genomic findings.

Funder: National Institutes of Health/R01
SPO#: 103540
Dates: 8/1/12 – 5/31/16 (0.6 CM)
Title: *R01CA166827-01A1 Genetics of mammographic breast density and breast cancer risk in a Kaiser cohort*
Role: Co-Investigator (reviewer of mammographic breast density)
(P.I.: Weiva Sieh)
Goal: To facilitate the quantitative estimation of mammographic density on 30,000 mammograms and the identification of genetic underpinnings of the association between mammographic density and breast cancer risk.

Funder: Hologic, Inc. (1/1/14 - 12/31/15)
SPO#: 112439
Dates: 1/1/2014-12/31/2015
Title: *Contrast Enhanced Digital Mammography (CEDM) vs. Contrast Enhanced Breast MRI (CE-MRI) in Patients with Known Breast Cancer (BI-RADS 6)*
Role: Principal Investigator (0.6 CM/5% effort)
Goal: The major goals of this project: To determine how accurately one can estimate the size of the index tumor and extent of disease on preoperative contrast enhanced digital mammography and contrast enhanced breast MRI in patients with known breast cancer, using pathology as a reference standard.

B. Completed

Funder: NIBIB/NIH
Dates: 7/1/07 – 6/30/08
Title: *1 T32 EB001631-01 Training Grant: Radiation Dose with CT*
Role: Co-Investigator (P.I.: Rebecca Smith-Bindman)
Goal: To estimate the effective dose from diagnostic CT examinations and the associated risk of cancer attributable to that effective dose.

Funder: Stanford Cancer Institute
(Developmental Research Award in Population Science)
Dates: 8/1/10 – 10/31/11
Title: *BRCA 1/2 Mutation Carriers in Asia vs. the U.S.: What Determines Differences in Breast Cancer Risk?*
Role: Investigator (P.I.: Alison Kurian)
Goal: To evaluate mammographic density among a cohort of Asian and Caucasian BRCA 1/2 mutation carriers in this study of ethnic differences and breast cancer risk factors.

Funder: Stanford Cancer Institute
(Translational Science Developmental Cancer Research Award)
Dates: 9/1/10 – 8/31/11
Title: *Computerized Quantitative Imaging-Based Assessment of Treatment Response in Triple-Negative Breast Cancer*
Role: Investigator (P.I.: Daniel Rubin)
Goal: To evaluate qualitative and quantitative patterns of response to neoadjuvant PARP inhibitor therapy using dynamic contrast-enhanced breast MRI and correlative histology and genomic findings.

Funder: General Electric
SPO#: 49398
Dates: 7/1/11 – 6/30/12
Title: *Pathology and Radiology Report Integration*
Role: Co-Investigator (P.I.: Daniel Rubin)
Goal: To determine how to spatially and temporally correlate pathology and radiology information, and propose an ideal workflow and solution for integrating pathology and radiology reports, using breast interventional procedures and correlative pathology as a use case.

Funder: General Electric
SPO#: 52334
Dates: 1/30/12 – 1/29/13 (0.36 CM)
Title: *Multimedia Radiology Reports*
Role: Co-Investigator (P.I.: Christopher Beaulieu)
Goal: To quantify the benefits of a multimedia radiology report over a simple text report for referring physicians in terms of productivity and patient care.

Funder:	Stanford University Department of Radiology
SPO#:	Department Funding
Dates:	1/1/13 – 12/31/13
Title:	*A Pilot Study of Correlative Imaging, Leukocyte Telomere Length, and Circulating Telomerase Levels of Patients with Benign and Malignant Breast Lesions*
Role:	Principal Investigator (Co-P.I.: Sharon Pitteri)
Goal:	To evaluate whether the combination of imaging and novel blood biomarkers improve the discrimination of benign and malignant breast lesions.