

Sarah L. Blair, MD

PRESENT POSITION:

Clinical Professor of Surgery
UCSD Department of Surgical Oncology

OFFICE ADDRESS:

UCSD Cancer Center
Division of Surgery
3855 Health Sciences Dr #0987
La Jolla, CA 92093-0987
Phone: (858)822-1230
Fax: (858) 822-6366
E-mail Address: sblair@ucsd.edu

EDUCATION:

BA., Case Western Reserve University, Cleveland Ohio: 8/84 – 6/88
M.D., State University of New York Health Science Center at Syracuse: 7/88 – 6/92

CURRENT POSITION

Clinical Professor of Surgery
University of California San Diego
La Jolla, California

ACADEMIC APPOINTMENTS:

Clinical Professor of Surgery University of California San Diego La Jolla, California	July 2011-present
Associate Clinical Professor of Surgery University of California San Diego La Jolla, California	2007-June 2011
Assistant Clinical Professor of Surgery University of California San Diego La Jolla, California	2001-2007

Surgical Oncology Fellow: 7/99 – 6/01
City of Hope, Duarte CA
Surgical Resident: 3rd to 5th year 7/96 – 6/99
University of Massachusetts Coordinated Surgical Program, Worcester, MA
Research fellowship: 7/94 – 6/96
Surgical Metabolism and thoracic Laboratory at Memorial Sloan Kettering
Cancer Center, NY, NY
Surgical resident: 2nd year: 7/93 – 6/94
University of Massachusetts Coordinated Surgical Program, Worcester, MA
Surgical internship: 7/92 – 6/93
University of Massachusetts Coordinated Surgical Program, Worcester. MA

LICENSURE:

State of California -June 1999

BOARD CERTIFICATION:

American Board of Surgery- February 2000 renewed 2008

COMMITTEE APPOINTMENTS and ADMINISTRATIVE SERVICES:

Cancer Liaison to American College of Surgeon for Moore Cancer Center: 7/03-12/07
UCSD Cancer Committee: 2002-12/07
CALGB Breast Surgery Subcommittee 2006 to 2011
Breast Committee Alliance Nov 2011-present
EPIC implementation Committee Cancer Center 2008 to present
Data safety and Monitoring Board 2009 to present

TEACHING RESPONSIBILITIES

Lecture on Colorectal cancer – Third year UCSD Medical School, 2001-2004
Lecture on melanoma- Third year UCSD Medical School 2005-2007
Lecture on Breast Cancer Third year UCSD Medical School 2008-present
Lecture on “Surgical Management of Breast Cancer What Surgeons want Radiologists to Know.” UCSD Breast Imaging and Intervention Course 2008-present
Lecture on Surgical Management of Breast Cancer for Hematology/Oncology Fellows UCSD 2008-present
Course Director “Nanomedicine: New Strategies and Innovations to Understand, Treat and Monitor Disease” 2008-2010
UCSD School of Medicine Promotions Committee

HONORS AND AWARDS:

Magna Cum Laude
Phi Beta Kappa
Alpha Omega Alpha
Terrell McElligott Surgical Oncology Fellowship
AAMC Midcareer Women in Medicine 2010

SOCIETY MEMBERSHIPS:

Society of Surgical Oncology-1999 to present
Fellow in American College of Surgeons-1999 to present
American Association of Cancer Research – 2002 to present
Association of Breast Surgeons-2004 to present
Association of Academic Surgeons 2008 to present

GRANT SUPPORT:

NCI IMAT R21 grant entitled: Non-circulating microparticles for improved localization and resection of cancer. 1/2012- 12/2014 PI Sarah Blair, M.D. 15% effort. To study the localization ability of microbubbles as an ultrasound contrast agent and localization method for occult cancers using a rabbit model

PI (Mattrey) NIH-NCI-NCTC-R21T 07/1/2010 – 6/30/2015 1.0 Academic \$400,000/yr Title: ” Cross Training Translation Cancer Researchers in Nanotechnology” This is a training grant to support 7 graduate students and postdoc per year share by about 20 faculty. One graduate student

Keep a breast \$ 10,000, \$10,000 Moores Cancer Center
Observational Pilot Study of Breast Density, Ki67, and Cyclin D1 Among Recently Diagnosed Breast Cancer Patients.
PI no salary support

Staff Investigator, 5% effort on the Cancer Center Support Grant
PI - Dennis Carson, 2 P30 CA23100-23, Specialized Cancer Center Support Grant
Project Period: 06/01/07 to 04/30/12 Total Project Direct Costs \$12,957,455 Total Project Indirect Costs \$6,872,545 Total Project Costs \$19,830,000

Erkki Ruoslahti, Ph.D. adjunct Professor of Bioengineering entitled “Probing Tumor Microenvironment with *in vivo* Phage Display” DOD IDEA expansion grant has been recommended for funding. The objective of this project is to use new tumor-penetrating phage screening technology to identify tumor-specific peptides that bind to the non-vascular stromal elements in breast cancers. As our method can also probe tumor cells, we will also use the screens to identify markers for breast cancer stem cells

Completed Projects:

Peak Surgical investigator initiated grant entitled, "A Prospective, Controlled Study to Evaluate Surgical Excision Margins in Malignant Breast Lumpectomies with The PEAK PlasmaBlade Compared to Traditional Electrosurgery." PI -Sarah Blair, M.D. 5% effort, \$70,000, 6/09-12/11

DOD Idea grant (BC050810) entitled "Proximity camera for real time for intra-operative cancer cell detection in breast cancer". Three year grant to utilize nanotechnology to identify cancer cells at surgical margins in breast cancer patients \$250,000, 7/06-6/10
Principle Investigator: Sarah Blair, M.D. 20% effort
To develop an automated device to detect breast cancer cells at surgical margins based on cell morphology and standard breast cancer tumor markers

10% effort as Director of Core F - Education
PI - Sadik Esener, 5 U54 CA119335-02, Center of Nanotechnology for Treatment and Understanding of Cancer Project Period: 09/30/05 to 08/31/10
Total Project Direct Costs \$15,312,255
Total Project Indirect Costs \$4,892,014 Total Project Costs \$20,204,269

Identification of Prognostic Factors in Gastric Stromal Tumors
Academic Senate: San Diego Division Health Sciences Subcommittee on Research 2004

Moore's Cancer Center Collaborative Translational Grant Quantum dot arrays in benign and malignant cancer cells in surgical breast cancer patients. Pilot project to examine a novel technology to examine breast cancer cells in surgical margins : 8/05-7/06

Breast Cancer Research Foundation
Project: A Biomarker Study of Etodolac in Early Stage Breast Cancer
Barbara A. Parker, M.D., P.I. 15% effort 10/01/06-9/30/07

PRESENTATIONS:

Oral L-2-OXO-4-Thiazolidine Carboxylate administration reduces bacterial translocation after Abdominal radiation. *Presented at the Surgical Forum at the 81th ACS, New Orleans, LA 10/95.*

Pretreatment with Gamma Interferon decreases infectious complication after partial hepatectomy in the rat. *Presented at the 49th Annual Cancer Symposium of the SSO, Atlanta GA 3/96.*

Treatment of nonpalpable breast cancer: the important of individual surgeon variability. *Presented at New England Cancer Society, Dartmouth NH 11/96.*

Surgeon Variability in treating nonpalpable breast cancer: Surgical Oncology as a value added specialty. *Presented at the 50th Annual Cancer Symposium at the SSO, Chicago, IL 3/97.*

Multifocal Extremities Sarcoma: A real entity or an uncommon form of metastasis? *Presented at the 50th Annual Cancer Symposium at the SSO, Chicago, IL 3/97.*

Surgical resection improves survival in the treatment of early gastric lymphoma. *Presented at the Society of surgeons of the alimentary tract, Orlando FL 5/99.*

Transanal excision for low rectal cancers is curative in early stage disease with favorable histology. *Presented at the California chapter of the American College of surgeons, Huntington Beach CA., 1/00*

Advanced age does not contribute to increased risks or poor outcome after major upper abdominal resections. *Accepted for presentation at the California chapter of the American College of surgeons, Santa Barbara CA 1/01*

Outcome of palliative operations for malignant bowel obstruction in patients with non-gynecological malignancy. *Presented at the 54th Annual Cancer Symposium at the SSO, Washington, D.C. 3/01*

Quality of Life in Patients with Colorectal Metastasis and Intrahepatic Chemotherapy. *Presented at the 55th Annual Cancer Symposium at the SSO, Denver, CO 3/02*

Extra-Pelvic Endometrioma in the Groin: A Diagnostic Consideration Waddah B Al-Refaie, Matthew H Katz and Sara L Blair. *Presented at the 55th Annual meeting of Southwestern Surgical Tuscan, AR April 2002*

Clear Cell Sarcoma in The Era of Sentinel Lymph Node Mapping Waddah B. Al-refaie, MD, Mir W. Ali, MD, David Z. Chu*, MD, FACS Isaac B. Paz, MD, FACS* and Sarah L. Blair MD, FACS. *Presented at the 55th Annual meeting of Southwestern Surgical Tuscan, AR April 2003*

Lymphatic mapping and microscopic staging using green fluorescent protein in an orthotopic human colon cancer model. Sarah L. Blair, Meng Yang, Alan Dao, Ping Jiang, A.R. Moossa, Robert M. Hoffman. *Presented at the 94th Annual Meeting of the American Association for Cancer Research, Washington D.C. July 2003*

Gastrointestinal Stromal Tumors Express RAS Oncogene; A Potential Role for Diagnosis & Treatment. Waddah B. Al-Refaie, J. Wong-Rodriguez, W. Ali, J. Kum, J. Hulst, L. Hall, M. Hallock, C. Behling, A. Rahim Moossa, S. L. Blair *Presented at the Annual Meeting Western Surgical Association Las Vegas, Nevada 11/04*

The Efficacy of Breast MRI in Predicting Breast Conservation Therapy; Sarah Blair, M.D., Michele Mcelroy, M.D., Michael Middleton, M.D., Chris Comstock, M.D., Tanya Wolfson, M.A. Mitch Kamrava, M.D. and Anne Wallace, M.D. *Presented at 16th Annual Meeting of the Southern California Chapter Meeting of the American College of Surgeons 1/05*

Intracystic Papillary Carcinoma: When Breast Cysts are not Simple Sarah Blair, M.D., Jacqueline Parker, M.D., Barbara Parker, M.D. Joanne Mortimer, M.D. and Anne Wallace, M.D. Moore's Cancer Center, University of California at San Diego. *Presented at 17th Annual Meeting of the Southern California Chapter Meeting of the American College of Surgeons 1/06*

Malignant Phyllodes Tumors: A review of 752 cases. Julia Grabowski, M.D., Sarah Blair, M.D., Georgia Sadler, Ph.D. and Sidney Saltzstein, M.D. *Presented at 18th Annual Meeting of the Southern California Chapter Meeting of the American College of Surgeons 1/07*

Enhanced touch preps to improve the ease of interpretation of intra-operative breast cancer margins. Sarah Blair, M.D., Jessica Wong-Rodriguez, M.D., Maria Cortes, Davorka Messmer, Ph.D., Andy Kummel, Ph.D., William Trogler, Ph.D.. *Presented at 18th Annual Meeting of the Southern California Chapter Meeting of the American College of Surgeons 1/07*

A comparison of melanoma and Merkel cell carcinoma: results from the California Cancer Registry Julia Grabowski, M.D., Sarah Blair, M.D., Georgia Sadler, Ph.D. and Sidney Saltzstein, presented at the *Society of Surgical Oncology 3/07*

Evaluation of Touch Preparations for Automated Intraoperative Determination of Surgical Margins In Breast Cancer. M. Ruidiaz, S. Sandoval, M.J. Cortes, D. Martin, D. Messmer, J. Wang-Rodrigues, A. Kummel, SL Blair, *Presented at the Association of Academic Surgery Clinical Congress, 11/08*

Squamous Cell Carcinoma of the Breast: A review of 177 cases, Julia Grabowski, MD; Sidney L Saltzstein, MD, MPH; Georgia Sadler, PhD; Sarah Blair, MD, *Presented at 20th Annual Meeting of the Southern California Chapter Meeting of the American College of Surgeons 1/09*

Automated Intra-operative Analysis of breast Cancer. D. Martin, M. Ruidiaz, S. Sandoval, M.J. Cortes, , D. Messmer, J. Wang-Rodrigues, A. Kummel, SL Blair, *Presented at the San Antonio Breast Cancer Symposium, San Antonio, Tx, Dec 13, 2009*

AlloDerm Use in Breast Reconstruction after Lumpectomies and Mastectomies Does Not Interfere with Radiographic Surveillance Studies. *Presented at 21th*

Annual Meeting of the Southern California Chapter Meeting of the American College of Surgeons 1/10

A Prospective Trial of the PEAK PlasmaBlade® in the Evaluation of Breast Cancer Surgical Specimens with Touch Prep, M. Ruidiaz, S. Sandoval, M.J. Cortes, D. Martin, D., Vose, J. Wang-Rodrigues, J., A. Kummel, SL Blair, Accepted for presentation 4/29/10

Differences in approach to breast conservation operations: fellowship vs nonfellowship trained breast surgeons. Association of Academic Surgeons. Huntington Beach Ca. Feb 2 , 2011.

Pleomorphic LCIS : more surgical education is needed. Society of Surgical Oncology, San Antonio Texas, March 2, 2011. 64th annual meeting

2011 CTCRC-AACR San Antonio Breast Cancer Symposium entitle” at Metformin for Breast Cancer Prevention: A Pilot Study”

PUBLICATIONS:

1. Blair, S.L., Rose, D.M., Hochwald, S.N., Sachar, S, Burt, M., Oral L-2-OXO-4-Thiazolidine Carboxylate administration reduces bacterial translocation after Abdominal radiation. *Surgical Forum* 1995; 26:89-91.
2. Blair, S.L., Rose, D.M., Sachar, S, Burt, M., Oral L-2-Oxo-4-Thiazolidine Carboxylate reduces bacterial translocation after radiation in the Fischer rat. *JSR* 1996; 65: 165-8.
3. Blair, S.L., Heerdt, P., Sachar, S., Abolhoda, A., Hochwald, S., Cheng, H., Burt, M., Glutathione metabolism in patients with non-small cell lung cancers. *Cancer Res* 1997; 57: 152-5.
4. Karpoff, H.M., D’Angelica, M., Blair, S., M.D., Federoff, H., Fong, Y. Prevention of hepatic metastasis in rats with herpes viral vaccines and gamma interferon. *JCI* 1997; 99:799-804.
5. Blair, S.L., O’Shea, K.E., Orr, R.K., Surgeon variability in treating nonpalpable breast cancer: Surgical Oncology as a value added specialty. *Ann Surg Onc* 1998; 5: 29-31.
6. Blair, S.L., Lewis, J.L., Leung, D.L., Woodruff, J., Brennan, M.F., Multifocal extremity sarcoma: An uncommon and controversial entity. *Ann Surg Onc* 1998; 5: 37-40.

7. Blair S.L., Karpoff HM, Hodyl C, fong Y, Pretreatment with IFN-gamma decreases infectious complications after partial hepatectomy in the rat. *J Interferon Cytokine Res* 1998;18(3): 175-80.
8. Blair S.L., Shah S., Tamin W., Quinaln R., Swanson R., Surgical resection improves survival in the treatment of early gastric lymphoma. *J Gasrointest Surg* 2000; 4:304-309.
9. Blair S.L., Ellenhorn JD., Transanal excision for low rectal cancers is curative in early stage disease with favorable histology. *Am Surg* 2000;66:817-820.
10. Blair S.L., Schwarz R., Chu, D.Z. Outcome of palliative operations for malignant bowel obstruction in patients with non-gynecological malignancy. *Ann Surg Onc* 2001;8:632-637
11. Blair SL, Schwarz RE. Advanced age does not contribute to increased risks or poor outcome after major abdominal operations. *Am Surg* 2001 Dec;67(12): 1123-7
12. Blair S.L., Schwarz R., Chu, D.Z. Outcome of palliative operations for malignant bowel obstruction in patients with non-gynecological malignancy. *Ann Surg Onc* 2001;8:632-637
13. Blair S.L., Grant M. , Chu, D.Z. Cullinane C., Dean G., Schwarz R., Wagman L., Quality of Life in Patients with Colorectal Metastasis and Intrahepatic Chemotherapy. *Ann Surg Oncol.* 2003 Mar-Apr;10(2):144-9
14. Fuller RA, Clark J, Kretzner L, Korn D, Blair SL, Crocitto LE, Smith SS. Use of microfluidics chips for the detection of human telomerase RNA. *Anal Biochem* 2003 Feb 15;313(2):331-4
15. Blair SL, Yang M, Dao A, Jiang P, Moossa AR, Hoffman RM. Lymphatic mapping and microscopic staging using green fluorescent protein in an orthotopic human colon cancer model. *Proceedings of the American Association for Cancer Research* 2003 July 44:3416
16. Can large B-cell lymphoma mimic cystic lesions of the spleen? *Int J Gastrointest Cancer.* 2005;35(1):83-8.
17. Al-refaie, W.B., Ali, M., Chu, D.Z., MD, Paz, I.P., Blair, S.L., Clear Cell Sarcoma in The Era of Sentinel Lymph Node Mapping. *Journal of Surgical Oncology* 2004;87:126-129
18. Blair, SL, Al-Refaie, W B. Wang-Rodriguez, J., Ali, W., Behling, C., Moossa, AR., Gastrointestinal Stromal Tumors Express RAS Oncogene; A Potential Role for Diagnosis & Treatment. *Arch Surg.* 2005 Jun;140(6):543-7; discussion 547-8.

19. Takabe, K., M.D., Ph.D, Al-Refaie, W., Chin, B., Baird, S.M. M.D.*, Blair , S.L.. Can large B-cell lymphoma mimic cystic lesions of the spleen? *Int J Gastrointest Cancer*. 2005;35(1):83-8.
20. Greenberg, JI., Takabe, K, Blair, SL., Peritoneal Loose Body Can Cause Partial Bowel Obstruction. *J Gastrointest Surg*. 2006 Mar;10(3):465-8. A
21. Mortimer, J.E., Blair, SL., Management of Early Stage Breast Cancer Developing in the Elderly. *Aging Health* 2006;2:245-251.
22. Blair, S.L., Mcelroy, M., Middleton, M., Comstock, C., Wolfson, T., Mortimer, J.E., and Wallace, A.M., The Efficacy of Breast MRI in Predicting Breast Conservation Therapy. *Journal of Surgical Oncology* 2006;Sept 94:220-225
23. Blair SL, Sadler GR, Bristol R, Summers C, Tahar A, Saltzstein SL. " Early Cancer Detection among Rural and Urban Californians" *BMC Public Health*. 2006; 6:194-204.
24. Blair SL, Wang-Rodriguez J, Cortes-Mateos MJ, Messmer D, Sandoval S, Messmer B, Trogler W, Kummel A. Enhanced touch preps improve the ease of interpretation of intraoperative breast cancer margins. *Am Surg*. 2007 Oct;73(10):973-6.
25. Grabowski J, Saltzstein SL, Sadler GR, Blair SL. Malignant phyllodes tumors: a review of 752 cases. *Am Surg*. 2007 Oct;73(10):967-9.
26. A comparison of Merkel Cell Carcinoma and Melanoma: Results from the California Cancer Registry. Grabowski, J., Saltzstein, J.S. Sadler, G.L. Tahir, T., Blair, S.L., *Clinical Medicine: Oncology* . 2008; 2:327-3333
27. Sandoval S, Ruidiaz ME, Martin D, Lopez D, Cortes-Mateos MJ, Messmer D, Blair SL, Rodriguez J, Schuller I, Trogler W, Kummel AC. Optimal Binding Force on Adhesive for selective capture of Breast Cancer Cells from Human Tissue. *Proceedings of the American Association for Cancer Research(AACR)* 2008; 327
28. Ruidiaz ME, Blair SL, Wang-Rodriguez J, Trogler WC, Kummel AC. Semi-automated statistical evaluation of nuclei in histological sections of breast cancer tissue. *Proceedings of the American Association for Cancer Research* 2008; 5132.
29. Intracystic papillary carcinoma: a review of 917 cases. Grabowski J, Saltzstein SL, Sadler GR, Blair S. Grabowski J, Saltzstein SL, Sadler GR, Blair S. *Cancer*. 2008 Sep 1;113(5):916-20
30. Automated Microscopy to Evaluate Surgical Specimens Via Touch Prep in Breast Cancer. Cortes-Mateos MJ, Martin D, Sandoval S, Ruidiaz ME, Messmer

D, Wang-Rodriguez J, Trogler W, Kummel AC, Blair SL *Ann Surg Oncol*. 2009 Mar 16(3):709-20

31. C. Yashar, S. Blair, A. Wallace, and D. J. Scanderbeg, "Initial Clinical Experience with the Strut Assisted Volume Implant (SAVI) Brachytherapy Applicator for Accelerated Partial Breast Irradiation (APBI)", *Brachytherapy*. 2009 Oct-Dec;8(4):367-72. Epub 2009 Sep 9.

32. Summers C, Saltzstein SL, Blair SL, Tsukamoto TT, Sadler GR. Racial/Ethnic Differences in Early Detection of Breast Cancer: A Study of 250,985 Cases from the California Cancer Registry. *J Womens Health (Larchmt)*. 2010 Jan 29.

33. Attaining negative margins in breast-conservation operations: is there a consensus among breast surgeons? Blair SL, Thompson K, Rococco J, Malcarne V, Beitsch PD, Ollila DW. *J Am Coll Surg*. 2009 Nov;209(5):608-13. Epub 2009 Sep 11

34. Grabowski J, Saltzstein SL, Sadler G, Blair S., Squamous cell carcinoma of the breast: a review of 177 cases. *Am Surg*. 2009 Oct;75(10):914-7

35. Garmy-Susini, B., Avraamides, C., Schmid, M., Foubert, P., Ellies, L., Barnes, L., Feral, C., Papayannopoulou, T., Lowy, A., Blair, S., Cheresch, D., Ginsberg, M., Varner, J. Integrin $\alpha 4 \beta 1$ signaling is required for lymphangiogenesis and tumor metastasis, *Cancer Research*, 2010 Apr 15;70(8):3042-51.

36. C. Yashar, S. Blair, A. Wallace, and D. J. Scanderbeg,. Initial Clinical Experience with the Strut Adjusted Volume Implant (SAVI) breast brachytherapy device for accelerated partial breast irradiation (APBI): first 102 patients with median follow-up of 21 months. In *press International Journal of Radiation Oncology, Biology, Physics*

37. Thompson, K., Grabowski J, Saltzstein SL, Sadler GR, Blair S. L. Adenoid Cystic Breast Carcinoma: Is Axillary Staging Necessary in All Cases? Results from the California Cancer Registry TBJ-00090-2010.R1 *The Breast Journal*. 2011 Sep;17(5):485-9

38. Tran Cao, H., Tokin, C., Konop, J., Ojeida-Fournier, H, Chao, J., Blair, S.L., A Preliminary Report on the Clinical Experience with AlloDerm in Breast Reconstruction and its Radiologic Appearance. *Am Surg*. 2010 Oct;76(10):1123-6

39. H. P. Martinez, Y. Kono, S. Blair, R. Mattrey, A. C. Kummel, W. C. Trogler, "The synthesis of hard shell gas-filled contrast enhancement particles for color Doppler ultrasound imaging of tumors" *Med. Chem. Commun.*, 2010, 1, 266–270

40. D. Martin, Cortes-Mateos MJ, Messmer D, Sandoval S, Casey, T., Messmer D., A. Kummel, Blair SL , Wang-Rodriguez A. Quantitative Automated Image Analysis System with Automated Debris Filtering for Detection of Breast Carcinoma Cells. . *Acta Cytologica* 2011;55:271–280
41. Schmid MC, Avraamides CJ, Dippold HC, Franco I, Foubert P, Ellies LG, Acevedo LM, Manglicmot JR, Song X, Wrasidlo W, Blair SL, Ginsberg MH, Cheresch DA, Hirsch E, Field SJ, Varner JA. Receptor tyrosine kinases and TLR/IL1Rs unexpectedly activate myeloid cell PI3k γ , a single convergent point promoting tumor inflammation and progression. *Cancer Cell*. 2011 Jun 14;19(6):715-27
42. Ruidiaz ME, Cortes-Mateos MJ, , Sandoval S, Martin D, Wang-Rodriguez J, Hasteh, F., Vose, J., Wallace AM., Kummel AC, Blair SL. Quantitative Comparison of Surgical Margin Histology Following Excision with Traditional Electrosurgery and a Low Thermal Injury Dissection Device. *J Surg Oncol*. 2011 Jul 8.
43. SL Blair, DE Emerson, S Kulkarni, ES Hwang, D Ollila, Breast Surgeon's Survey: No Consensus for Surgical Treatment of Pleomorphic Lobular Carcinoma in Situ , *The Breast Journal In press*
44. Casey N. T., Liberman A., Martinez, P., Barback , CV., Mattrey RF., Blair SL., Trogler WC., Kummel AC., Zhe Wu. Integrated Processing of Contrast Pulse Sequencing Ultrasound Imaging for Enhanced Active Contrast of Hollow Gas Filled Silica Nano and Microshells. *JVST-B. in press*

BOOK CHAPTER:

Blair SL, Schwarz RE, Surgical considerations in intensive care patients with malignancies. *Critical Care Clinics of North America*; 2001 Jul;17(3):721-42, ix.

Reviewer for DOD Idea award 2009-2011