

DUKE UNIVERSITY MEDICAL CENTER

CURRICULUM VITAE

Date Prepared: November 6, 2017

Name (complete with degrees): Betty Caroline Tong, B.M.E., M.S.M.E., M.D., M.H.S.

Primary academic appointment (department): Department of Surgery –
Division of Cardiovascular and Thoracic Surgery

Present academic rank and title (if any): Associate Professor of Surgery without Tenure (Track I)

Medical licensure: North Carolina License # 2005-00975

Date of License (Month/Day/Year): 06/15/2005

Specialty certification(s) and dates (Month/Day/Year):

American Board of Surgery, October 2006 (certificate # 51784)

American Board of Thoracic Surgery, June 2009 (certificate # 7614)

Citizen of: USA

Place (include city/state/country): Lincoln, NE (USA)

<u>Education:</u>	<u>Institution</u>	<u>Date (Year)</u>	<u>Degree</u>
High School	Chamblee High School Chamblee, GA	1988	Diploma
College	Georgia Institute of Technology Atlanta, GA	1993	B. of Mech. Eng.
Graduate School	Georgia Institute of Technology Atlanta, GA	1995	M.S. in Mech. Eng.
Graduate School	Duke University Durham, NC	1999	M.D.
Graduate School	The Johns Hopkins Bloomberg School of Public Health Baltimore, MD	2009	M.H.S.

Scholarly societies (Alpha Omega Alpha, Sigma Xi, Phi Beta Kappa, etc.):

Omicron Delta Kappa National Leadership Honor Society

Order of Omega National Greek Honor Society

Pi Tau Sigma National Mechanical Engineering Honor Society

Tau Beta Pi National Engineering Honor Society

Professional training and academic career (chronologically commencing with first postdoctoral position):

<u>Institution</u>	<u>Position/Title</u>	<u>Dates</u>
The Johns Hopkins Hospital Baltimore, MD	Intern General Surgery	7/1999-6/2000
The Johns Hopkins Hospital Baltimore, MD	Resident Otolaryngology	7/2000-6/2001
The Johns Hopkins Hospital Baltimore, MD	Junior Resident General Surgery	7/2001-6/2003
The Johns Hopkins Hospital Baltimore, MD	Senior Resident General Surgery	7/2003-6/2004
The Johns Hopkins Hospital Baltimore, MD	Chief Resident General Surgery	7/2004-6/2005
Duke University Medical Center Durham, NC	Resident Thoracic Surgery	7/2005-6/2008
The Johns Hopkins Bloomberg School of Public Health Baltimore, MD	M.H.S. Student	7/2008-8/2009
Duke University Durham, NC	Assistant Professor	7/2008-6/2015
Duke University Durham, NC	Associate Professor without Tenure	7/2015-present

Publications: (Do not include submitted papers or papers in preparation. List separately those papers in press.)

1. Refereed journals: (Refereed journals are scientific publications that have active editorial boards and a system of critical review of all submissions for publication.)

(Please number all entries sequentially #1 oldest)

- Zimber MP, **Tong BC**, Dunkelman N, Pavelec R, Grande D, New L, Naughton B, and Purchio AF. TGF- β promotes the proliferation of chondrocytes in monolayer and the growth of cartilage tissue on 3-D polymer scaffolds. *FASEB Journal*, 9:A589, 1995.
- Zimber MP, **Tong B**, Dunkelman N, Pavelec R, Grande D, New L, and Purchio AF. TGF- β promotes the growth of bovine chondrocytes in monolayer culture and the formation of cartilage tissue on three-dimensional scaffolds. *Tissue Eng.*, 1(3):289-300, 1995 Sep. PMID: 19877907
- Matsumoto T, Delafontaine P, Schnetzer KJ, **Tong BC**, Nerem RM. Effect of uniaxial, cyclic stretch on the morphology of monocytes/macrophages in culture. *J Biomech Eng.*, 118(3):420-2, 1996 Aug. PMID: 8872266

4. Maxwell GL, Risinger JI, **Tong B**, Gumbs C, Shaw H, Berchuck A, Futreal PA. Mutation of the PTEN tumor suppressor gene is not a feature of ovarian cancers. *Gynecol Oncol.*, 70(1):13-6, 1998 Jul. PMID: 9698466
5. Ha PK, Pai SI, Westra WH, Gillison ML, **Tong BC**, Sidransky D, Califano JA. Real time quantitative PCR demonstrates low prevalence of human papillomavirus type 16 in premalignant and malignant lesions of the oral cavity. *Clin Cancer Res.*, 8(5):1203-9, 2002 May. PMID: 12006539
6. Ha PK, **Tong BC**, Westra WH, Sanchez-Cespedes M, Parrella P, Zahurak M, Sidransky D and Califano JA. Mitochondrial C-tract alteration in premalignant lesions of the head and neck: a marker for progression and clonal proliferation. *Clin Cancer Res.*, 8(7):2260-5, 2002 Jul. PMID: 12114429
7. Geetha D, **Tong BC**, Racusen L, Markowitz JS, Westra WH. Bladder carcinoma in a transplant recipient: Evidence to implicate the BK human polyomavirus as a causal transforming agent. *Transplantation*, 73(12):1933-6, 2002 Jun 27. PMID: 12131691
8. **Tong BC**, Ha PK, Dhir K, Westra WH, Xing M, Sidransky D, Califano JA. Mitochondrial DNA alterations in thyroid cancer. *J Surg Oncol.*, 82(3):170-3, 2003 Mar. PMID: 12619060
9. Xing M, Usadel H, Cohen Y, Tokumaru Y, Guo Z, Westra WH, **Tong BC**, Tallini G, Udelsman R, Califano JA, Ladenson PW and Sidransky D. Methylation of the Thyroid-stimulating Hormone Receptor gene in epithelial thyroid tumors: a marker of malignancy and a cause of gene silencing. *Cancer Res.*, 63(9):2316-21, 2003 May 1. PMID: 12727856
10. **Tong BC**, Dhir K, Ha PK, Westra WH, Alter BP, Sidransky D, Koch WM and Califano JA. Use of single nucleotide polymorphism arrays to identify a novel region of loss on chromosome 6q in squamous cell carcinoma of the oral cavity. *Head Neck*, 26(4):345-52, 2004 Apr. PMID: 15054738
11. **Tong BC**, Masayeva B, Brock MV, Pilkington T, Goldenberg D, Sidransky D, Harden S, Westra WH and Califano JA. Molecular margin analysis predicts local recurrence after sublobar resection of lung cancer. *Int J Cancer*, 113(6):1022-5, 2005 Mar 1. PMID: 15515012
12. **Tong BC** and Harpole DH Jr. Audit, quality control and performance in thoracic surgery: A North American perspective. *Thorac Surg Clin.*, 17(3):379-86, 2007 Aug. PMID: 18072358
13. **Tong BC** and Barbul A. Cellular and physiological effects of arginine. *Mini Rev Med Chem.*, 4(8):823-32, 2004 Oct. PMID: 15544543
14. Burfeind WR Jr, **Tong BC**, O'Branski E, Herndon JE, Toloza EM, D'Amico TA, Harpole LH, Harpole DH Jr. Quality of life outcomes are equivalent after lobectomy in the elderly. *J Thorac Cardiovasc Surg.*, 136(3):597-604, 2008 Sep. PMID: 18805257
15. Berry MF, Hanna J, **Tong BC**, Burfeind WR Jr, Harpole DH Jr, D'Amico TA, Onaitis MW. Risk factors for morbidity after lobectomy for lung cancer in elderly patients. *Ann Thorac Surg.*, 88(4):1093-9, 2009 Oct. PMID: 19766786
16. **Tong BC**, Hanna J, Toloza EM, Onaitis MW, D'Amico TA, Harpole DH Jr. Burfeind WR Jr. Outcomes of Video-Assisted Thoracoscopic Decortication. *Ann Thorac Surg.*, 89(1):220-5, 2010 Jan. PMID: 20103240
17. Person AK, Chudgar SM, Norton BL, **Tong BC**, Stout JE. Aspergillus niger: An unusual case of invasive pulmonary aspergillosis. *J Med Microbiol.*, 59(Pt 7):834-8, 2010 Jul. PMID: 20299503
18. Berry MF, Villamizar-Ortiz NR, **Tong BC**, Burfeind WR Jr, Harpole DH, D'Amico TA, Onaitis MW. Pulmonary function tests do not predict pulmonary complications after thoracoscopic lobectomy. *Ann Thorac Surg.*, 89(4):1044-51, 2010 Apr. PMID: 20338305
19. Berry MF, Atkins BZ, **Tong BC**, Harpole DH, D'Amico TA, Onaitis MW. A comprehensive evaluation for aspiration after esophagectomy reduces the incidence of postoperative pneumonia. *J Thorac Cardiovasc Surg.* 140(6):1266-71, 2010 Dec. Epub 2010 Sep 29. PMID 20884018.
20. Berry MF, Onaitis MW, **Tong BC**, Harpole DH, D'Amico TA. A model for morbidity after lung resection in octogenarians. *Eur J Cardiothorac Surg.*, 2011 Jun; 39(6):989-94. PMID: 21276728. PMCID: PMC3090538.

21. D'Amico TA, **Tong BC**, Berry MF, Burfeind WR Jr., Onaitis MW. Incorporating research into thoracic surgery practice. *Thorac Surg Clin.*, 21(3):369-77, 2011 Aug. Epub 2011 May 23. PMID: 21762860.
22. Ceppa DP, Welsby IJ, Wang TY, Onaitis MW, **Tong BC**, Harpole DH, D'Amico TA, Berry MF. Perioperative management of patients on clopidogrel (Plavix) undergoing major lung resection. *Ann Thorac Surg.*, 93(6):1971-6, 2011 Dec. Epub 2011 Oct 5. PMID: 21978871.
23. **Tong BC**, Harpole DH Jr. Molecular markers for incidence, prognosis, and response to therapy. *Surg Oncol Clin N Am.*, 21(1):161-75, 2012 Jan. PMID: 22098838.
24. Berry MF, Onaitis MW, **Tong BC**, Balderson SS, Harpole DH, D'Amico TA. Feasibility of hybrid thoracoscopic lobectomy and en-bloc chest wall resection. *Eur J Cardiothorac Surg.*, 41(4):888-92, 2012 Apr. Epub 2011 Dec 20. PMID: 22219441.
25. Wood DE, Eapen GA, Ettinger DS, Hou L, Jackman D, Kazerooni E, Klippenstein D, Lackner RP, Leard L, Leung AN, Massion PP, Meyers BF, Munden RF, Otterson GA, Peairs K, Pipavath S, Pratt-Pozo C, Reddy C, Reid ME, Rotter AJ, Schabath MB, Sequist LV, **Tong BC**, Travis WD, Unger M, Yang SC. Lung Cancer Screening. *J Natl Compr Canc Netw.*, 10(2):240-65, 2012 Feb. PMID: 22308518.
26. Shah AA, Barfield ME, Kelsey CR, Onaitis MW, **Tong B**, Harpole D, D'Amico TA, Berry MF. Outcomes after surgical management of synchronous bilateral primary lung cancers. *Ann Thorac Surg.* 2012 Apr;93(4):1055-60; discussion 1060. Epub 2012 Mar 3.
27. **Tong BC**, Huber JC, Ascheim DD, Puskas JD, Ferguson TB Jr, Blackstone EH, Smith PK. Weighting composite endpoints in clinical trials: Essential evidence for the Heart Team. *Ann Thorac Surg.* 2012 Jul 11. [Epub ahead of print] PMID: 22795064.
28. **Tong BC**, Gustafson MR, Balderson SS, D'Amico TA, Meyerson SL. Validation of a thoracoscopic lobectomy simulator. *Eur J Cardiothorac Surg.*, 42(2):364-9, 2012 Aug. Epub 2012 Feb 6. PMID: 22315356.
29. Meyerson SL, **Tong BC**, Balderson SS, D'Amico TA, Phillips JD, Decamp MM, Darosa DA. Needs assessment for an errors-based curriculum on thoracoscopic lobectomy. *Ann Thorac Surg.*, 94(2):368-73, 2012 Aug. Epub 2012 May 24. PMID: 22633499
30. Ceppa DP, Kosinski AS, Berry MF, **Tong BC**, Harpole DH, Mitchell JD, D'Amico TA, Onaitis MW. Thoracoscopic lobectomy has increasing benefit in patients with poor pulmonary function: a society of thoracic surgeons database analysis. *Ann Surg.*, 256(3):487-93, 2012 Sep. PMID: 22868367.
31. Klapper JA, **Tong BC**. The Role of Thoracic Surgery in Palliative Care: A Review. *J Palliative Care Med* (2012) 2:133. doi:10.4172/2165-7386.1000133
32. Villamizar NR, Darrabie M, Hanna J, Onaitis MW, **Tong BC**, D'Amico TA, Berry MF. Impact of T status and N status on perioperative outcomes after thoracoscopic lobectomy for lung cancer. *J Thorac Cardiovasc Surg* 2013 Feb;145(2):514-20; discussion 520-1. Epub 2012 Nov 21. PMID: 23177123.
33. Christensen JD, **Tong BC**. Computed tomography screening for lung cancer: where are we now? *NC Med J.* 2013 Sep-Oct;74(5):406-10. PMID: 24165769.
34. Haney JC, Hanna JM, Berry MF, Harpole DH, D'Amico TA, **Tong BC**, Onaitis MW. Differential prognostic significance of extralobar and intralobar nodal metastases in patients with surgically resected stage II non-small cell lung cancer. *J Thorac Cardiovasc Surg.* 2014 Apr;147(4):1164-8. doi: 10.1016/j.jtcvs.2013.12.015. Epub 2014 Jan 2. PMID: 24507984
35. **Tong BC**, Kosinski AS, Burfeind WR, Onaitis MW, Berry MF, Harpole DH, D'Amico TA. Sex differences in early outcomes after lung cancer resection: Analysis of the Society of Thoracic Surgeons' General Thoracic Database. *J Thorac Cardiovasc Surg.* 2014 Jul;148(1):13-8. doi: 10.1016/j.jtcvs.2014.03.012. Epub 2014 Mar 14. PMID: 24726742.

36. Moremen JR, **Tong BC**, Ceppa DP. Thoracoscopic superior segmentectomy. *Ann Cardiothorac Surg.* 2014 Mar;3(2):202-203. PMID: 24790847
37. Stevenson M, Christensen J, Shoemaker D, Foster, Barry, **Tong BC**, Wahidi MM, Shofer SL, Datto M, Ginsburg, Crawford J, D'Amico TA, Ready NR. Tumor acquisition for biomarker research in lung cancer. *Cancer Invest.* Cancer Invest. 2014 Jul;32(6):291-8. Epub 2014 May 9. PMID: 24810245.
38. Lebastchi AH, Tackett JJ, Argenziano M, Calhoon JH, Gasparri MG, Halkos ME, Hicks GL Jr, Iannettoni MD, Ikonomidis JS, McCarthy PM, Starnes SL, **Tong BC**, Yuh DD. First nationwide survey of US integrated six-year cardiothoracic surgical residency program directors. *J Thorac Cardiovasc Surg.* 2014 Aug;148(2):408-415.e1. doi: 10.1016/j.jtcvs.2014.04.004. Epub 2014 Apr 12. PMID: 24820188.
39. Wood DE, Kazerooni E, Baum SL, Dransfield MT, Eapen GA, Ettinger DS, Hou L, Jackman DM, Klippenstein D, Kumar R, Lackner RP, Leard LE, Leung AN, Makani SS, Massion PP, Meyers BF, Otterson GA, Peairs K, Pipavath S, Pratt-Pozo C, Reddy C, Reid ME, Rotter AJ, Sachs PB, Schabath MB, Sequist LV, **Tong BC**, Travis WD, Yang SC, Gregory KM, Hughes M. Lung cancer screening, version 1.2015: Featured Updates to the NCCN Guidelines. *J Natl Compr Canc Netw.* 2015 Jan;13(1):23-34. PMID: 25583767
40. Berry MF, Yang JCF, Hartwig MG, **Tong BC**, Harpole DH, D'Amico TA, Onaitis MW. Impact of Pulmonary Function Measurements on Long-Term Survival After Lobectomy for Stage I Non-Small Cell Lung Cancer. *Ann Thorac Surg.* 2015 Jul; 100(1):271-6. Epub 2015 May 16. PMID: 25986099
41. Erhunmwunsee L, **Tong BC**. Preoperative Evaluation and Indications for Pulmonary Metastasectomy. *Thorac Surg Clin.* 2016 Feb;26(1):7-12.
42. Yang CJ, Adil SM, Anderson KL, Meyerhoff RR, Turley RS, Hartwig MG, Harpole DH Jr, **Tong BC**, Onaitis MW, D'Amico TA, Berry MF. Impact of patient selection and treatment strategies on outcomes after lobectomy for biopsy-proven stage IIIA pN2 non-small cell lung cancer. *Eur J Cardiothorac Surg.* 2015 Dec 30. pii: ezv431. [Epub ahead of print]
43. Yang CJ, Meyerhoff RR, Mayne NR, Singhapricha T, Toomey CB, Speicher PJ, Hartwig MG, **Tong BC**, Onaitis MW, Harpole DH Jr, D'Amico TA, Berry MF. Long-term survival following open versus thoracoscopic lobectomy after preoperative chemotherapy for non-small cell lung cancer†. *Eur J Cardiothorac Surg.* 2015 Dec 30. pii: ezv428. [Epub ahead of print]
44. Yang CJ, Sun Z, Speicher PJ, Saud SM, Gulack BC, Hartwig MG, Harpole DH Jr, Onaitis MW, **Tong BC**, D'Amico TA, Berry MF. Use and Outcomes of Minimally Invasive Lobectomy for Stage I Non-Small Cell Lung Cancer in the National Cancer Data Base. *Ann Thorac Surg.* 2016 Mar;101(3):1037-1042. doi: 10.1016/j.athoracsur.2015.11.018. Epub 2016 Jan 26. PMID: 26822346
45. Yang CJ, Chan DY, Speicher PJ, Gulack BC, Wang X, Hartwig MG, Onaitis MW, **Tong BC**, D'Amico TA, Berry MF, Harpole DH. Role of Adjuvant Therapy in a Population-Based Cohort of Patients With Early-Stage Small-Cell Lung Cancer. *J Clin Oncol.* 2016 Jan 19. pii: JCO638171. PMID: 26786925
46. Zwischenberger BA, D'Amico TA, **Tong BC**. How I Teach a Thoracoscopic Lobectomy. *Ann Thorac Surg.* 2016 Mar; 101(3):846-9. Doi: 10.1016/j.athoracsur.2015.12.033.
47. Kara HV, Balderson SS, **Tong BC**, D'Amico TA. Video assisted transaxillary first rib resection in treatment of thoracic outlet syndrome (TOS). *Ann Cardiothorac Surg* 2016;5(1):67-69. Doi:10.3978/j.issn.2225-319X.2015.08.09.
48. Yang CJ, Mayne NR, Wang H, Meyerhoff RR, Hirji S, **Tong BC**, Hartwig M, Harpole D Jr, D'Amico TA, Berry M. Outcomes of major lung resection after induction therapy for non-small cell lung cancer in elderly patients. *Ann Thorac Surg.* 2016 May 24. pii: S0003-4975(16)30223-5. doi: 10.1016/j.athoracsur.2016.03.088. [Epub ahead of print]

49. Speicher PJ, Fitch ZW, Gulack BC, Yang CFJ, **Tong BC**, Harpole DH, D'Amico TA, Berry MF, Hartwig MG. Induction Chemotherapy is Not Superior to a Strategy of Surgery-First for Clinical N1 Non-Small Cell Lung Cancer. *Ann Thorac Surg*. 2016 Sep;102(3):884-94. doi: 10.1016/j.athoracsur.2016.05.065. Epub 2016 Jul 29.
50. Gulack B, Yang CF, Speicher P, Yerokun B, **Tong BC**, Onaitis MW, D'Amico TA, Harpole DH Jr., Hartwig MG, Berry MF. A Risk Score to Assist Selecting Lobectomy versus Sublobar Resection for Early Stage Non-Small Cell Lung Cancer. *Ann Thorac Surg*. 2016 Sep 1. pii: S0003-4975(16)30739-1. doi: 10.1016/j.athoracsur.2016.06.032. [Epub ahead of print]
51. **Tong BC**, Wallace SG, Hartwig MG, D'Amico TA, Huber J. Patient preferences in treatment choices for early stage lung cancer. *Ann Thorac Surg*. 2016 Dec; 102(6):1837-44.
52. Tandberg D, Kelsey CR, D'Amico TA, Crawford J, Chino JP, **Tong BC**, Ready NE, Wright A. Patterns of failure following surgery for non-small cell lung cancer invading the chest wall. *Clin Lung Cancer*. 2017 Jul;18(4):e259-e265.
53. Yang CJ, Chan DY, Speicher PJ, Gulack BC, **Tong BC**, Hartwig MG, Kelsey CR, D'Amico TA, Berry MF, Harpole DH. Surgery versus optimal medical management for N1 small cell lung cancer. *Ann Thorac Surg*. 2017 Jun;103(6):1767-1772.
54. Anderson KL Jr, Mulvihill MS, Yerokun BA, Speicher PJ, D'Amico TA, **Tong BC**, Berry MF, Hartwig MG. Induction chemotherapy for T3N0M0 non-small-cell lung cancer increases the rate of complete resection but does not confer improved survival. *Eur J Cardiothorac Surg*. 2017 Aug 1;52(2):370-377.
55. Miranda LS, Datta S, Melzer AC, Wiener RS, Davis JM, **Tong BC**, Golden SE, Slatore CG. Rationale and design of the Lung Cancer Screening Implementation. Evaluation of Patient-Centered Care Study. *Ann Am Thorac Soc*. 2017 Oct;14(10):1581-1590.
56. Yang CJ, Kumar A, Klapper JA, Hartwig MG, **Tong BC**, Harpole DH Jr, Berry MF, D'Amico TA. A national analysis of long-term survival following thoracoscopic versus open lobectomy for Stage I non-small cell lung cancer. *Ann Surg*. 2017 Aug 9. doi: 10.1097/SLA.0000000000002342. [Epub ahead of print]
57. Yi JS, Ready N, Healy P, Dumbauld C, Osborne R, Berry M, Shoemaker D, Clarke J, Crawford J, **Tong BC**, Harpole D, D'Amico TA, McSherry F, Dunphy F, McCall SJ, Christensen JD, Wang X, Weinhold KJ. Immune activation in early stage non-small cell lung cancer patients receiving neoadjuvant chemotherapy plus ipilimumab. *Clin Cancer Res*. 2017 Sep 26. pii: clincanres.2005.2017. doi: 10.1158/1078-0432.CCR-17-2005. [Epub ahead of print]

2. Non-refereed publications: (Non-refereed publications are those that frequently solicit articles and do not routinely use a system of critical review prior to publication.)

3. Major invited lectures (since November 1992)

1. Gender and cardiothoracic surgery outcomes: What's the difference? 12th Annual Duke Residents' Symposium, San Francisco, CA; January 24, 2009.
2. What operation for thoracic cancers? Decision making in thoracic oncology. 12th Annual Duke Cardiothoracic Update and TEE Review Course, Hilton Head Island, SC; June 19, 2009.
3. Chest tubes: Indications, Placement and Management. 12th Annual Duke Cardiothoracic Update and TEE Review Course; Hilton Head Island, SC; June 19, 2009.
4. A method to the madness: Decision making in Thoracic Oncology. Cardiothoracic Anesthesia Grand Rounds, Duke University Medical Center; September 8, 2009.

5. Thoracoscopic Left Upper Lobectomy. Thoracoscopic Lobectomy and LVRS Workshop, Montreal, Canada; October 13, 2009.
6. Thoracoscopic Left Upper Lobectomy. Thoracoscopic Lobectomy and LVRS Workshop, Tuscon, AZ; October 27, 2009.
7. Thoracoscopic Left Upper Lobectomy. Thoracoscopic Lobectomy and LVRS Workshop, Durham, NC; November 11, 2009.
8. The Extraordinary Ordinary. Keynote speaker, 13th Annual Georgia Tech Womens' Leadership Conference; Atlanta, GA; October 29, 2010.
9. Surgical Management of Early Stage Non-Small Cell Lung Cancer (I-III A). Novartis General Oncology Training Program, Durham, NC; November 2, 2010.
10. Technical Aspects of Thoracoscopic Lower Lobectomy. Thoracoscopic Lobectomy and LVRS Workshop, San Francisco, CA; January 27, 2011.
11. Gender Outcomes in Cardiothoracic Surgery. 14th Annual Duke Resident's Symposium, San Diego, CA; January 28, 2011.
12. Surgical Management of Early Stage Non-Small Cell Lung Cancer (I-III A). Novartis General Oncology Training Program, Durham, NC; March 29, 2011.
13. Screening and Early Diagnosis of Lung Cancer. Schroeder Fall Conference, Aurora Health Care, Milwaukee, WI; October 29, 2011.
14. Technical Aspects of Thoracoscopic Lower Lobectomy. Video Assisted Thoracic Surgery Course, Houston, TX; November 9, 2011.
15. Gender and Lung Cancer Outcomes: There is a Difference. 2nd Annual BIRCWH Symposium, Duke University BIRCWH Program, Durham, NC; March 2, 2012.
16. Technical Aspects of Thoracoscopic Upper Lobectomy. Thoracoscopic Lobectomy Workshop*, San Francisco, CA; April 27, 2012. *Co-Course Director
17. Lung Cancer Screening: Algorithms and Treatment of Early Stage Disease. Gibson Cancer Center, Lumberton, NC; June 4, 2012.
18. Prevalence, Presentation and Treatment of Lung Cancer. Jones Laboratory Seminar, Duke University Medical Center, Durham, NC; August 27, 2012.
19. Lung Cancer: Screening, Staging and Surgical Management. Hematology/Oncology Fellows' Lecture, Durham, NC; September 17, 2012.
20. Robotic Lobectomy. Masters of Minimally Invasive Thoracic Surgery Course, Orlando, FL; September 21, 2012.
21. Interesting Cases: Thoracoscopic Truncal Vagotomy and Robotic Thymectomy. Masters of Minimally Invasive Thoracic Surgery Course, Orlando, FL; September 21, 2012.
22. CT Screening and Management of Subcentimeter Nodules. Masters of Minimally Invasive Thoracic Surgery Course, Orlando, FL; September 22, 2012.
23. Screening, Staging and Surgical Management of Lung Cancer. Vidant Medical Cancer Conference, East Carolina University, Greenville, NC; October 26, 2012.
24. Lung Cancer Screening. Duke University Webinar, Durham, NC; December 4, 2012.
25. Lung Cancer Screening: A Practical and Multidisciplinary Approach. 2nd Annual Achieving Excellence in Lung Cancer Screening & Continuum of Care, Tampa, FL; September 20, 2013.
26. Lung Cancer Screening: The Duke Experience. 27th Annual General Thoracic Surgical Club Meeting; Litchfield Park, AZ; March 14, 2014.
27. Implementing Lung Cancer Screening Guidelines Within a Radiology Framework. Cape Fear Valley Medical Center Quarterly Radiology Series; Fayetteville, NC. April 29, 2014.
28. Lung Cancer: Current Practices in Screening and Management. 4th Annual John B. Amos Lectureship; Columbus, GA; May 15, 2014.

29. Technical Aspects of Thoracoscopic Lower Lobectomy. Thoracoscopic Lobectomy Workshop. Durham, NC; June 4, 2014.
30. Surgical Approaches to Lung Cancer. Celgene Multi-Tumor Practicum, Durham, NC; June 16, 2014.
31. Lung Cancer Screening: Update and Treatment Guidelines. 34th Annual Convention of the Bangladesh Medical Association of North America; Durham, NC; August 8, 2014.
32. Lung Cancer Screening, Staging and Surgical Management. Hematology/Oncology Fellows' Lecture, Durham, NC; August 18, 2014.
33. Update on Lung Cancer Staging: Guidelines and Practice. Cape Fear Valley Medical Center Hospital Cancer Conference, Fayetteville, NC; September 10, 2014.
34. Sympathectomy for Upper Extremity Ischemia. Vascular Surgery Multidisciplinary Conference, Duke University Medical Center, Durham, NC; September 26, 2014.
35. Lung Cancer Biomarkers, Mutations and Genetic Signatures for the Thoracic Surgeon. Southern Thoracic Surgical Association 61st Annual Meeting Postgraduate Course, Tucson, AZ; November 6, 2014.
36. Technical Aspects of Thoracoscopic Lower Lobectomy. Thoracoscopic Lobectomy Workshop, Durham, NC; April 15, 2015.
37. Lung Cancer: Current Staging and Guidelines for Management. Maria Parham Medical Center Conference, Henderson, NC; April 20, 2015.
38. Lung Cancer Screening: How, Who, What Happens Next. American Association for Thoracic Surgery 95th Annual Meeting Postgraduate Course, Seattle, WA; April 26, 2015.
39. Update on Lung Cancer Screening. Lung Cancer Initiative of North Carolina, Durham, NC; May 5, 2015.
40. Surgical Approaches to Lung Cancer. Celgene Multi-Tumor Practicum, Durham, NC; June 9, 2015.
41. Beyond SODOTO: Changing the Paradigm of Surgical Education. Department of Surgery Grand Rounds, Duke University Medical Center, Durham, NC; October 14, 2015.
42. Lung Cancer: Surgical Management of Early Stage Disease. 27th Annual Fall Foliage Cancer Conference, Asheville, NC; October 24, 2015.
43. Lung Cancer Screening: The Duke Experience. Department of Radiology Grand Rounds, Duke University Medical Center, Durham, NC; February 18, 2016.
44. 2016 Update on Lung Cancer Screening. Duke Cancer Review 2016, Cary, NC; July 30, 2016.
45. Cardiothoracic Surgery Residency: What does it look like in 2020? South Atlantic Cardiovascular Society Meeting, Isle of Palms, SC; August 6, 2016.
46. Current Status of Minimally Invasive Lung Resection. 11th Annual Fall Midwest Thoracic & GI Oncology Conference, Omaha, NE; October 6, 2016.
47. Changing Paradigms of Surgical Education and Integration of Integrated Surgical Residents. Division of Vascular Surgery Conference, Duke University Medical Center, Durham, NC; December 8, 2016.
48. Implementing a Lung Cancer Screening Program: Lessons Learned. STS/AATS Tech-Con, Houston, TX; January 21, 2017.
49. Setting Up a Lung Cancer Screening Program – Team Coordination & Financial Aspects. American Association for Thoracic Surgery Centennial Meeting, Boston, MA; April 30, 2017.

4. Chapters in books:

1. **Tong BC**, Yang SC and Harmon J. Esophageal perforation. Current Surgical Therapy, 8th Edition, J.L. Cameron, Ed. 2004.
2. **Tong BC**. and Yang SC. Massive hemoptysis. Current Therapy in Thoracic and Cardiovascular Surgery, SC Yang and DE Cameron, Eds. 2004.
3. **Tong BC** and Harpole DH Jr. Lung cancer – NSCLC Overview. Clinical Care Options Oncology in Practice. 2009.
4. **Tong BC** and Harpole DH Jr. Lung cancer – NSCLC Overview. Clinical Care Options Oncology in Practice. 2010.
5. **Tong BC** and Harpole DH Jr. Molecular prognostication of lung cancer. Lung Cancer: Principles and Practice, Fourth Edition. HI Pass, DP Carbone, DH Johnson, JD Minna, AT Turrisi, III and GV Scagliotti, Eds. 2010.
6. **Tong BC** and D’Amico TA. Anatomy, Imaging and Practical Management of Selected Thoracic Surgical Procedures. Thoracic Anesthesia: Ready to Practice. KR Grichnik, A Shaw, A Barbiato, Eds. 2012.
7. Wei B and **Tong BC**. Stage IIB/IIIA Lung Cancer. Thoracic Surgery Residents’ Association (TSRA) Clinical Scenarios. G Loo and TC Nguyen, Eds. 2013.
8. Ceppa DP and **Tong BC**. Pulmonary Metastases. Johns Hopkins Cardiothoracic Surgery, 2nd Edition, DD Yuh, LA Vricella, SC Yang, JR Doty, Eds. 2014.
9. Berry MF and **Tong BC**. Pneumonectomy. Operative Standards for Cancer Surgery, Vol. 1. H Nelson, KK Hunt, N Veeramachaneni, S Blair, G Chang, A Halverson, M Katz, M Posner Eds. 2015.
10. Wei B and **Tong BC**. Minimally Invasive Surgical (MIS) Approaches to Pleural and Pericardial Effusive Diseases. Current Therapy in Thoracic and Cardiovascular Surgery, 2nd Edition. SC Yang and DE Cameron, Eds. In Press.

5. **Books:(Indicate authors or editor)** N/A

6. **Non-authored publications: (Faculty member formally acknowledged in the publication for her/his contributions)** N/A

7. **Other: a. Published scientific reviews (for mass distribution)**

1. **Tong BC** and Harpole DH Jr. Customized lung cancer therapy. *PPO Updates, Principles & Practice of Oncology*. 25(4):1-7, 2011.
2. Timmerman R and **Tong BC**. Stereotactic Body Radiation Therapy vs. Surgical Resection. ASCO University e-Learning module, 2012. Website: <http://university.asco.org/stereotactic-body-radiation-therapy-vs-surgical-resection>.
3. Crawford J, Silvestri GA, **Tong BC**. Lung Cancer: Is Now the Time to Screen? MedScape e-learning activity, 2012. Website: <http://www.medscape.org/viewarticle/769135>.
4. **Tong BC**, Crawford J, Wahidi MM. Surgical Management of an Early NSCLC. NSCLC Peer to Peer Podcasts; Duke University School of Medicine Office of Continuing Medical Education, 2012. Website: <http://cmetracker.net/DUKE/Enduring.html>.

b. Selected abstracts

1. Speicher PJ, Fitch ZW, Gulack BC, Yerokun B, Hartwig MG, Harpole DH, D'Amico TA, **Tong BC**. Disparities in guideline-concordant treatment for node-positive non-small cell lung cancer following surgery. Selected for poster presentation at the IASLC 17th World Conference on Lung Cancer, Vienna, Austria, December 7, 2016.
2. Christensen J, Garst JG, Wahidi MM, Hogan CA, Crittenden H, D'Amico TA, **Tong BC**. A structured lung cancer screening program facilitates patient and provider compliance. Selected for poster presentation at the IASLC 17th World Conference on Lung Cancer, Vienna, Austria, December 5, 2016.
3. **Tong BC**, Huber J, Ascheim D, Puskas J, Ferguson TB, Smith PK. Patient preferences in coronary revascularization: Re-defining clinical trial endpoints. 48th Annual Society of Thoracic Surgeons' Meeting, Ft. Lauderdale, FL, January 30, 2012.
4. Meyerson SL, **Tong BC**, Balderson SS, D'Amico TA, Phillips J, DaRosa DA, DeCamp MM. Needs assessment for an errors based curriculum on thoracoscopic lobectomy. Selected for poster presentation at the 48th Annual Society of Thoracic Surgeons' Meeting, Ft. Lauderdale, FL, January 30, 2012.
5. **Tong BC**, Kosinski AS, Burfeind WR Jr., Onaitis MW, Hartwig MG, Berry MF, Harpole DH Jr., D'Amico TA. Gender is an independent predictor of morbidity and mortality after lung cancer resection: Analysis of the Society of Thoracic Surgeons' (STS) General Thoracic Database. 38th Annual Meeting of the Western Thoracic Surgical Association, Maui, HI, June 27-30, 2012.
6. Clark JJ, **Tong BC**, Portenier DD. Thoracic truncal vagotomy for the treatment of refractory marginal ulcers after Roux-en-Y gastric bypass. 29th Annual Meeting of the American Society for Metabolic & Bariatric Surgery, San Diego, CA, June 17-22, 2012.

c. Editorials, position, and background papers

1. **Tong BC**. Invited commentary. *Ann Thorac Surg*. 90(5):1661, 2010 Nov. PMID 20971284.
2. **Tong BC**. Invited commentary. *Ann Thorac Surg*. 98(5):1754, 2014 Nov. PMID 25441785.
3. **Tong BC**. Imagine all the people.... *J Thorac Cardiovasc Surg*. 2015 Jun;149(6):1488-9.
4. **Tong BC**. A stitch (or scan) in time saves nine. *J Thorac Cardiovasc Surg*. 2015 Sep; 150(3):529-30.
5. **Tong BC**. TEAM: Together Everyone Achieves More. *J Thorac Cardiovasc Surg*. 2016 Aug;152(2):317-8. doi: 10.1016/j.jtcvs.2016.04.080. Epub 2016 May 5.
6. **Tong BC**. Less IS More. *J Thorac Cardiovasc Surg*. 2017 Jan;153(1):196.
- 7.

e. Patents N/A

Consultant appointments: (Include US government, state, private organizations, etc.)

- Covidien (Consultant), 2009 – 2011, 2011- 2013
- W.L. Gore (Consultant), 2014 – 2015

Professional awards and special recognitions:

- Arnold Seligman Award for Outstanding Intern, The Johns Hopkins Hospital Department of Surgery, 2000
- Scholarship to attend the 41st Annual Society of Thoracic Surgeons Meeting Women in Thoracic Surgery, 2005
- Ronald Belsey Traveling Esophageal Surgery Fellowship Esophageal Surgery Club, 2007
- Resident Traveling Fellowship American Association for Thoracic Surgery, 2007-2008
- Outstanding Reviewer Award, *Journal of Thoracic and Cardiovascular Surgery* (2014-2015)

Organizations and participation: (Offices held, committee assignments, etc.)

- Member, Association of Women Surgeons (2002-present)
 - Member Services Committee, 2012 – present
 - Residents' Committee, 2004-2007
- Member, Women in Thoracic Surgery (2005-present)
 - Board of Directors, 2013-present
 - Executive Board and Member-at-Large (2009-2013)
 - Industry Liaison (2013 – 2016)
 - Co-Chair of Membership (2016 – present)
- Member, American College of Chest Physicians (2007-present)
- Member, Society of Thoracic Surgeons (2010-present)
 - Candidate Member, 2007-2010
 - Abstract Reviewer, 50th Annual Meeting (2013)
 - Looking to the Future Program Mentor (2015)
 - Abstract Reviewer, 52nd Annual Meeting (2015)
 - Moderator, Surgical Motion Picture Matinee: General Thoracic. 51st Annual Meeting (2015)
 - Abstract Reviewer, 53rd Annual Meeting (2016)
 - General Thoracic Surgery Database Task Force (2016 – present)
 - STS University Task Force (2016 – present)
 - Participant User File Task Force (2016 – present)
 - Looking to the Future Program Mentor (2017)
- National Comprehensive Cancer Network (NCCN) Lung Cancer Screening Guidelines Panel (2010 – present)
- Cancer and Leukemia Group B (CALGB)/Alliance for Clinical Trials in Oncology Thoracic Surgery Member (2010 – present)
- Fellow, American College of Surgeons (2011-present)
 - Candidate Member, 2007-2011
 - Moderator, Town Hall Meeting: How to Set Up a Lung Cancer Screening Program at Your Institution; 2016 Clinical Congress, Washington, D.C.
- Member, International Association for the Study of Lung Cancer (2012 – present)
- Member, Southern Thoracic Surgical Association (2012 – present)
 - Invited Discussant, 58th Annual Meeting (2011)
 - Invited Discussant, 60th Annual Meeting (2013)
 - Abstract Reviewer and Invited Discussant, 61st Annual Meeting (2014)

Invited Discussant, 62nd Annual Meeting (2015)

- Topic Editor for American Board of Thoracic Surgery Educational Curriculum, Joint Council on Thoracic Surgery Education (2012 – present)
- Member, Joint Council for Thoracic Surgical Education Integrated 6-Year Program Analysis Committee (2013 – present)
- Member, General Thoracic Surgical Club (2014 – present)
- Editorial Board, Journal of Thoracic and Cardiovascular Surgery (2015 – 2017)
- Ad Hoc Reviewer (2013 – 2015)
- Reviewer, Annals of Surgical Oncology (2008-2011)
- Ad Hoc Reviewer, Annals of Surgery (2008 – present)
- Ad Hoc Reviewer, Annals of Thoracic Surgery (2010 – present)
- Ad Hoc Reviewer, Clinical Medicine Insights: Circulatory, Respiratory and Pulmonary Medicine (2010)
- Ad Hoc Reviewer, Diseases of the Esophagus (2011, 2013, 2017)
- Ad Hoc Reviewer, Archives of International Surgery (2013)
- Author, SESATS 12 (2015-16)
- Member, Thoracic Surgery Foundation Education Committee (2017 – present)
- Ad Hoc Reviewer, Circulation: Cardiovascular Quality and Outcomes (2017)
- Ad Hoc Reviewer, Clinical Lung Cancer (2017)
- Invited Discussant, American Association for Thoracic Surgery Centennial Meeting, Boston, MA (2017)
- Member, American Association for Thoracic Surgery (2017 – present)

Teaching responsibilities including continuing education:

- Teaching and mentoring of medical students, general surgery residents and thoracic surgery residents
- Mentor, Duke University School of Medicine AMWA Chapter (2009-2015)
- Mentor, University of North Carolina School of Medicine AMWA Chapter (2011-2015)
- Faculty Mentor, Duke Health Careers Exploration Program (2011)
- Faculty Sponsor, Student chapter of Association of Women Surgeons (2014-2016)
- Lecturer, MSII Surgery Core Course (2015 – present)
- Thoracic Surgery Residency Programs, Department of Surgery, Duke University Medical Center
 - Core Faculty (2009 – present)
 - Associate Program Director (2012 – present)
 - Program Director, Integrated 6-year Thoracic Surgery Residency (2014 – present)
- Core Faculty, General Surgery Residency Program, Department of Surgery, Duke University Medical Center (2015 – present)
- Lecturer, Emergency Medicine Didactic Conference, Duke University Medical Center (2016)
- STS University Thoracoscopic Lobectomy Course (sponsored by the Society of Thoracic Surgeons and held in conjunction with the Annual Meeting)
 - Instructor (2009, 2015, 2016)
 - Co-Course Director (2017; 2018)

Areas of research interests (basic and applied) - list:

- Clinical research and outcomes in lung and esophageal cancer
- Patient preferences and decision making in surgery
- Role of patient-reported outcomes (PROs) in care of patients with lung cancer
- Gender/sex differences in outcomes of lung cancer patients
- Education and simulation in cardiothoracic surgery

External support (past and present) - gifts, grants, and contracts:

	<u>PI</u>	<u>%Effort</u>	<u>Purpose</u>	<u>Approximate Amount</u>	<u>Duration</u>
a) Past:	Tong	75%	Gender differences in lung cancer patients Sponsor: Duke-NCCU BIRCWH program	\$75,000/yr	7/2008-5/2011
	Tong		Patient preferences for coronary revascularization: A conjoint analysis	\$ 20,000	9/2010-8/2011
	Meyerson		Validation of a thoracoscopic lobectomy Simulator	\$ 10,725	7/2010-6/2011
	Tong	50%	Use of electronically-captured patient reported outcomes (ePROs) to improve lung cancer care Sponsor: Duke KM1 (Inter-disciplinary Program for Training and Mentoring in CER Methods and Practice)	\$50,000/yr	9/2011-9/2012
	Tong	5%	Difficult conversations in Thoracic Surgery (Duke GME Innovations Grant)	\$ 6,500	7/2014-6/2015
b) Present:	None				
c) Pending:	None				

Clinical activity - type of practice and estimate of time commitment:

50% Clinical

Participation in academic and administrative activities of the University and Medical Center:

Oral Examination Proctor, MSII Surgery Rotation (2009-2013)
 Admissions Committee, School of Medicine (2010-2012)
 Maestro Care Subject Matter Expert for Thoracic Surgery (2011-2013)
 Co-Director, Duke Lung Cancer Screening Program (2011-present)

Duke University Institutional Review Board Member (2011-present)
Assistant Program Director, Thoracic Surgery Residency (2012-present)
Alternate, Duke University Academic Council (2014-2015)
Search Committee, Associate Director of Graduate Medical Education (2014)
Steering Committee, Duke SCORES (Surgical Center for Outcomes Research), 2014 – present
Graduate Medical Education Committee for the Appropriate Treatment of Learners (2015 – present)
Department of Surgery Diversity and Inclusion Committee (2017 – present)
Duke University Academic Council (2017 – present)

Betty C.
Tong, MD

Digitally signed by Betty C.
Tong, MD
DN: cn=Betty C. Tong, MD,
o=Duke University Medical
Center, ou,
email=betty.tong@duke.edu,
c=US
Date: 2017.12.12 10:02:01
-05'00'