

CARLIE K. THOMPSON, M.D.

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PROFESSIONAL EXPERIENCE

University of California, Los Angeles Los Angeles, CA
Assistant Clinical Professor, Department of Surgery 2018 - present
Breast Surgical Oncologist

TRAINING

Cedars-Sinai Los Angeles, CA
Breast Surgical Oncology Fellow 2017 - 2018

- Lynn Sage Scholar (2017)

University of California, San Francisco San Francisco, CA
General Surgery Resident 2015 - 2017

- Chesson Award for Compassion in Surgery (2017)

University of California, San Francisco San Francisco, CA
Postdoctoral Research Scholar 2013 - 2015

Northwestern University Chicago, IL
General Surgery Resident 2010 - 2013

- Resident as Teacher Award (2012, 2013)
- Northwestern Memorial Hospital Intern of the Year (2011)

EDUCATION

Washington University in St. Louis St. Louis, MO
Doctor of Medicine 2006 - 2010

- Alpha Omega Alpha
- Honors in surgery, medicine, pediatrics, obstetrics and gynecology, neurology and psychiatry
- Robert Carter Medical School Prize for being one of the top five students in my class (2010)
- Eugene M. Bricker Student Fellowship Award as chosen by my classmates (2010)

Indiana University Bloomington, IN
Bachelor of Science in Psychology 2002 - 2006

- Minors: Biology, Chemistry and Spanish
- Summa Cum Laude
- Phi Beta Kappa

CERTIFICATIONS

American Board of Surgery (2017)
SAGES Fundamentals of Laparoscopic Surgery (2016)
Advanced Trauma Life Support (2013)
Advanced Cardiac Life Support (2010)

MEDICAL LICENSURE

State of California License number: A127831 Status: Active Expires: April 2019

PROFESSIONAL ACTIVITIES

Member, American Society of Breast Surgeons 2017 - present

Member, Society of Surgical Oncology 2017 - present

Member, Association of Women Surgeons 2017 - present

- AWS Outstanding Mentorship Award (2017)

Representative, UCSF Surgical Education Committee 2015 - 2017

Mentor, Women in Surgery UCSF Medical Student Group 2015 - 2017

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Member, American College of Surgeons 2010 - present

Member, American Medical Women's Association 2006 - 2010

- Washington University Chapter President (2007-2008)

Member, American Medical Association 2006 - 2010

TEACHING

Topic	Audience	Institution	Date
Clinical Breast Examination	Second-year medical students	UCLA	November 27, 2018

INVITED LECTURES

1. **Breast Cancer Screening and the WISDOM Study.** Extra TV, Los Angeles, CA. November 2018.
2. **The WISDOM Study: Determining the Optimal Way to Screen for Breast Cancer.** Association of Academic University Women Panel Discussion, Los Angeles, CA. November 2018.
3. **Common Breast Conditions Encountered in the Primary Care Setting.** Grand Rounds at Providence St. Joseph's Medical Center, Los Angeles, CA. October 2018.
4. **The Past, Present and Future of the Neoadjuvant Treatment of Breast Cancer.** Grand Rounds at Cedars-Sinai Medical Center, Los Angeles, CA. June 2018.
5. **Are We Overtreating DCIS?** Specialty Session Participant at *Southern California Chapter of the American College of Surgeons Annual Scientific Meeting*, Santa Barbara, CA. January 2018.
6. **The History of Women in Medicine.** Grand Rounds at UCSF, San Francisco, CA. December 2016.
7. **The Rise in the Rates of Contralateral Prophylactic Mastectomy: Can We Personalize This Decision?** Presentation at *UCSF Postgraduate Course*. March 2015.

COMMUNITY SERVICE/OUTREACH

Bringing Awareness to Breast Cancer through Yoga Los Angeles, CA
2018

- Panel member

Telemundo Health Fair Los Angeles, CA
2018

- Delivered free breast examinations and breast health education and counseling

RESEARCH

University of California, San Francisco San Francisco, CA
2013 - 2015

Mentor: Laura Esserman, MD, MBA

- Designed and operationalized a personalized screening model for a nationwide, multi-center breast cancer screening trial (WISDOM Study) set to accrue 100,000 women over five years
- Secured over \$14 million to support the WISDOM Study as a member of a team of researchers within the Athena Breast Health Network
- Performed an international study validating a prognostic test that identifies indolent breast cancers
 - UCSF Outstanding Clinical Science Presentation Award (2015)

Northwestern University Chicago, IL
2011 - 2012

Mentor: Seema Khan, MD

- Performed a study that investigated the use of MRI for the diagnosis and management of DCIS

Washington University in St. Louis St. Louis, MO
2009 - 2010

Mentor: Julie Margenthaler, MD

- Performed a study that determined the factors that predict the use of neoadjuvant versus adjuvant chemotherapy for the treatment of triple-negative breast cancer

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Indiana University

Bloomington, IN

Mentor: George Rebec, PhD

2003 - 2006

- Performed research that focused on the neurochemical and behavioral symptoms of Huntington's Disease in transgenic mice and treatments to ameliorate those symptoms
- Thesis: The effects of ceftriaxone on striatal ascorbate in Huntington's disease transgenic mice
- Awards: Indiana University Excellence in Research Award, Sigma Xi Edmundson Award for Research in Genetics, Hutton Honors College Thesis Award, Howard Hughes Medical Institute Capstone Award

University of California, San Francisco

San Francisco, CA

Mentor: Robert Hiatt, MD, PhD

2005

- Administered surveys and analyzed data for a nationwide epidemiological study that examined several exposures and their effects on age at onset of various hallmarks of puberty and sexual maturation

PUBLICATIONS

1. Lindstrom LS, Yau C, Czene K, **Thompson CK**, Hoadley KA, van't Veer LJ, Balassanian R, Bishop JW, Carpenter PM, Chen Y, Datnow B, Hasteh F, Krings G, Lin F, Zhang Y, Nordenskjold B, Stal O, Benz CC, Fornander T, Borowsky AD, Esserman LJ, for the STO Trialists Group. Intra-tumor heterogeneity of the estrogen receptor and the long-term risk of fatal breast cancer. *J Natl Cancer Inst.* 2018 Jan 19. doi: 10.1093/jnci/djx270.
2. Esserman LJ, Yau C, **Thompson CK**, van't Veer LJ, Borowsky AD, Hoadley KA, Tobin NP, Nordenskjold B, Forander T, Stal O, Benz CC, Lindstrom LS. Use of molecular tools to identify patients with indolent breast cancers with ultralow risk over 2 decades. *JAMA Oncol.* 2017 Nov 1;3(11):1503-1510.
3. Esserman LJ, Anton-Culver H, Borowsky A, Brain S, Cink T, Crawford B, Eklund M, Esserman L, Fenton J, Heditsian D, Hiatt RA, Hogarth M, Kaplan C, Koenig B, LaCroix A, Larsen KM, Lee V, Matthews J, Madlensky L, Naeim A, Ojeda-Fournier H, Parker BA, Sepucha K, Shieh Y, Stover Fiscalini A, **Thompson C**, Tice J, Van 't Veer L, Wenger N, Ziv E. The WISDOM Study: breaking the deadlock in the breast cancer screening debate. *NPJ Breast Cancer.* 2017 Sept 13;3:34.
4. Shieh Y, Eklund M, Madlensky L, Sawyer SD, **Thompson CK**, Stover Fiscalini A, Ziv E, van't Veer LJ, Esserman LJ Tice JA. Breast cancer screening in the precision medicine era: risk-based screening in a population-based trial. *J Natl Cancer Inst.* 2017 Jan 27;109(5).
5. **Thompson CK**, Eklund M, Esserman LJ. Putting the "Great Mammography Debate" to rest. *Am J Hematol Oncol.* 2015 Sep;11(9):21-2.
6. Pilewskie M, **Kennedy C**, Shappell C, Helenowski I, Scholtens D, Hansen N, Bethke K, Jeruss J, Karstaedt P, Khan SA. Effect of MRI on the management of ductal carcinoma in situ of the breast. *Ann Surg Oncol.* 2013 May;20(5):1522-9.
7. **Kennedy C**, Gao F, Margenthaler J. Neoadjuvant versus adjuvant chemotherapy for triple negative breast cancer. *J Surg Res.* 2010 Sep;163(1):52-7.

BOOK CHAPTERS

1. **Thompson CK**, Hunter-Squires J, Giuliano AE. "Breast Cancer." *Berek and Novak's Gynecology*. Philadelphia: Wolters Kluwer. Submitted for publication.
2. Hunter-Squires, J, **Thompson CK**, Giuliano AE. "Benign Breast Disease" *Berek and Novak's Gynecology*. Philadelphia: Wolters Kluwer. Submitted for publication.

ABSTRACTS

1. **Thompson CK**, Hunter-Squires J, Carlson KA, Kim S, Amersi F, Giuliano AE, Chung A. Axillary staging is associated with better outcomes in women with small, estrogen-receptor positive breast cancers. Poster presentation at the *American Society of Breast Surgeons Annual Meeting*, Orlando, FL. May 2018.
2. Carlson KA, Siegel E, **Thompson CK**, Kim S, Amersi F, Giuliano A, Chung A. Accuracy of pre-surgical imaging to guide surgical resection in patients with invasive breast cancer treated with neoadjuvant chemotherapy. Poster presentation at the *American Society of Breast Surgeons Annual Meeting*, Orlando, FL. May 2018.

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3. Carlson KA, **Thompson CK**, Kim S, Bao J, Amersi F, Giuliano A, Chung A. Comparison of survival outcomes in node-negative T1a and T1b high-risk breast cancer treated with and without adjuvant chemotherapy. Poster presentation at the *Society of Surgical Oncology Annual Cancer Symposium*, Chicago, IL. March 2018.
4. Borowsky A, **Thompson CK**, Balassanian R, Yau C, Chen Y, Krings G, Nordenskjold B, Stal O, Fornander T, Esserman LJ, van't Veer LJ, Lindstrom LS. Phenotype and immunophenotype analysis of gene expression defined "indolent risk" breast cancers. Platform presentation at *United States and Canada Academy of Pathologists Annual Meeting*, Seattle, WA. March 2016.
5. Borowsky A, Balassanian R, Yau C, Engelberg JA, **Thompson CK**, Bishop JW, Cardiff R, Carpenter PM, Chen Y, Datnow B, Hasteh F, Krings G, Lin F, Zhang Y, Lindstrom L. Interobserver agreement of breast cancer IHC4 after "Score the Core" training. Poster presentation at *United States and Canada Academy of Pathologists Annual Meeting*, Seattle, WA. March 2016.
6. **Thompson CK**, Fiscalini AS, Donnellan P, Kaplan CP, Madlensky L, Eklund M, Ziv E, van't Veer LJ, Tice JA, Esserman LJ. Breast cancer screening in the precision medicine era. Poster presentation at *SABCS*, San Antonio, TX. December 2015.
7. Narasimmaraj PR, Stover Fiscalini A, Kaplan CP, van't Veer LJ, Hallada AM, **Thompson CK**, Theiner S, Borowsky A, Naeim A, Anton-Culver H, LaCroix A, Athena Breast Health Network Investigators, Esserman LJ. A pilot feasibility study of the WISDOM study, a preference-tolerant randomized controlled trial evaluating a risk-based breast cancer screening strategy. Poster presentation at the *San Antonio Breast Cancer Symposium*, San Antonio, TX. December 2015.
8. Esserman LJ, **Thompson CK**, Yau C, van't Veer LJ, Borowsky AD, Tobin NP, Nordenskjold B, Fornander T, Stal O, Benz CC, Lindstrom LS. Identification of tumors with an indolent disease course: MammaPrint Ultralow signature validation in a retrospective analysis of Swedish randomized tamoxifen trial (STO). Poster presentation at the *San Antonio Breast Cancer Symposium*, San Antonio, TX. December 2015.
9. Lindstrom LS, Yau C, Czene K, **Thompson CK**, van't Veer LJ, Nordenskjold B, Stal O, Fornander T, Benz CC, Borowsky A, Esserman LJ. Intra-tumor heterogeneity of the estrogen receptor predicts less benefit from tamoxifen therapy and poor long-term breast cancer patient survival – retrospective analysis of the STO-3 randomized trial. Platform presentation at the *European Cancer Congress*, Vienna, Austria. September 2015.
10. **Thompson CK**, Kaplan CP, Wattles AG, Fiscalini AS, Tice, JA, Eklund M, Esserman LJ. The feasibility of performing a preference-tolerant randomized controlled trial of personalized versus annual breast cancer screening. Poster presentation at the *Society of Surgical Oncology Annual Cancer Symposium*, Houston, TX. March 2015.
11. **Thompson CK**, O'Donoghue C, Ozanne E, Eklund M, Esserman L. The aggregate number of false-positive recalls and biopsies performed under different screening strategies in the US. Poster presentation at the *SABCS*, San Antonio, TX. December 2014.
12. Lindstrom L, Benz C, Yau C, van't Veer L, **Thompson CK**, Esserman L. MammaPrint accurately predicts long-term survival (25 years) and adjuvant tamoxifen therapy benefit lymph node negative patients. Poster presentation at the *San Antonio Breast Cancer Symposium*, San Antonio, TX. December 2014.
13. Rajaram R, **Kennedy C**, Schwulst S, Bilimoria KY. Improving the Care of Septic Patients: A Baseline Analysis and Quality Improvement Initiative. Poster presentation at the *NRSA Trainee's Research Conference*, San Diego, CA. June 2014.
14. Dorner J, Barton S, **Kennedy C**, Murphy-Nakhnikian A, Rebec G. Striatal ascorbate-release dysfunction in murine models of Huntington's. Poster presentation at the *Society for Neuroscience*, San Diego, CA. October 2004.