



## Daphne P. Ly, MD, FACS

### Bio

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#### BIO

Dr. Ly is board-certified in general surgery and specialized in breast and cutaneous surgical oncology. Her clinical practice includes surgical treatments for all benign and malignant breast conditions, cancer high risk screening/reduction, and melanoma/cutaneous cancer.

Dr. Ly completed her Breast and Melanoma Surgical Oncology Fellowship at UCSF where she received extensive training in all aspects of breast and cutaneous cancer care as well as complex breast surgical techniques including nipple sparing mastectomy, oncoplastic surgery, wireless partial mastectomy, sentinel lymph node surgery, lymph node dissection, and melanoma/cutaneous cancer wide local excision.

Dr. Ly believes in patient-centered and individualized care using up-to-date clinical evidence and a multi-disciplinary team approach. In addition to her fellowship training, she came to Stanford with her extensive experience directing the Comprehensive Breast Service at the Palo Alto VA and her expertise in Cancer Genetics. Her practice is located at SHC-ValleyCare in Pleasanton where she will work closely with the multidisciplinary Breast Cancer Care team to expand the Breast Cancer Care Program to encompass delivery high quality, individualized, breast cancer care with great cosmetic surgical outcome as well as cancer high risk screening and reduction to the East Bay/Tri-Valley community.

#### HONORS AND AWARDS

- Center for Immersive and Simulation-based Learning Scholarship, Stanford University School of Medicine (2007)
- The Susan B. Deak Award for Excellence in Research, UMDNJ Robert Wood Johnson Medical School (2005)
- The Susan B. Deak Award for Excellence in Research, UMDNJ Robert Wood Johnson Medical School (2004)
- The Irving M. Ratner Award for Excellence in Pathology, Albert Einstein College of Medicine (1998)

#### BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member, American Society of Breast Surgeons (2010 - present)
- Member, American Society of Clinical Oncology (2015 - present)
- Member, ACS National Ultrasound Faculty (2014 - present)
- Member, National VA Breast Cancer Clinical Task Force (2013 - 2018)
- Fellow, American College of Surgeons (2011 - present)
- Member, American College of Surgeons (1999 - present)
- Member, Association for Academic Surgery (2009 - present)
- Member, Association of Women Surgeons (2003 - present)

- Member, Society of Critical Care Medicine (2008 - present)

## Research & Scholarship

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### RESEARCH INTERESTS

- Data Sciences

### CURRENT RESEARCH AND SCHOLARLY INTERESTS

1. Integrate machine learning with electronic health record system to improve work flow and achieve individualize cancer care based on current evidence.
2. Apply Cancer Genetics in cancer treatment and cancer risk reduction.

## Publications

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### PUBLICATIONS

- **Comparative Effectiveness of Two Ultrasound-Guided Regional Block Techniques for Surgical Anesthesia in Open Unilateral Inguinal Hernia Repair** *JOURNAL OF ULTRASOUND IN MEDICINE*  
Steffel, L., Kim, T. E., Howard, S. K., Ly, D. P., Kou, A., King, R., Mariano, E. R.  
2016; 35 (1): 177-182
- **Comparative Effectiveness of Two Ultrasound-Guided Regional Block Techniques for Surgical Anesthesia in Open Unilateral Inguinal Hernia Repair.** *Journal of ultrasound in medicine : official journal of the American Institute of Ultrasound in Medicine*  
Steffel, L., Kim, T. E., Howard, S. K., Ly, D. P., Kou, A., King, R., Mariano, E. R.  
2015
- **Unfolded Protein Response Regulation in Keloid Cells** *JOURNAL OF SURGICAL RESEARCH*  
Butler, P. D., Wang, Z., Ly, D. P., Longaker, M. T., Koong, A. C., Yang, G. P.  
2011; 167 (1): 151-157
- **Engineered epidermal growth factor mutants with faster binding on-rates correlate with enhanced receptor activation** *FEBS LETTERS*  
Lahti, J. L., Lui, B. H., Beck, S. E., Lee, S. S., Ly, D. P., Longaker, M. T., Yang, G. P., Cochran, J. R.  
2011; 585 (8): 1135-1139
- **Human melanoma-initiating cells express neural crest nerve growth factor receptor CD271** *NATURE*  
Boiko, A. D., Razorenova, O. V., van de Rijn, M., Swetter, S. M., Johnson, D. L., Ly, D. P., Butler, P. D., Yang, G. P., Joshua, B., Kaplan, M. J., Longaker, M. T., Weissman, I. L.  
2010; 466 (7302): 133-U155
- **Early, Intermediate, and Late Effects of a Surgical Skills "Boot Camp" on an Objective Structured Assessment of Technical Skills: A Randomized Controlled Study** *4th Annual Academic Surgical Congress*  
Parent, R. J., Plerhoples, T. A., Long, E. E., Zimmer, D. M., Teshome, M., Mohr, C. J., Ly, D. P., Hernandez-Boussard, T., Curet, M. J., Dutta, S.  
ELSEVIER SCIENCE INC.2010: 984-89
- **Cell Permeant Peptide Analogues of the Small Heat Shock Protein, HSP20, Reduce TGF-beta 1-Induced CTGF Expression in Keloid Fibroblasts** *JOURNAL OF INVESTIGATIVE DERMATOLOGY*  
Lopes, L. B., Furnish, E. J., Komalavilas, P., Flynn, C. R., Ashby, P., Hansen, A., Ly, D. P., Yang, G. P., Longaker, M. T., Panitch, A., Brophy, C. M.  
2009; 129 (3): 590-598
- **Use of organotypic coculture to study keloid biology** *17th Annual Meeting of the Society-for-Black-Academic-Surgeons*  
Butler, P. D., Ly, D. P., Longaker, M. T., Yang, G. P.  
EXCERPTA MEDICA INC-ELSEVIER SCIENCE INC.2008: 144-48
- **Comparison of aesthetic breast reconstruction after skin-sparing or conventional mastectomy, in patients receiving preoperative radiation therapy** *ANNALS OF PLASTIC SURGERY*  
Chang, E. I., Ly, D. P., Wey, P. D.  
2007; 59 (1): 78-81
- **Effect of surgeon and hospital characteristics on outcome after pyloromyotomy** *ARCHIVES OF SURGERY*

Ly, D. P., Liao, J. G., Burd, R. S.  
2005; 140 (12): 1191–97

- **The integrin alpha5beta1 regulates alphavbeta3-mediated extracellular signal-regulated kinase activation.** *The Journal of surgical research*

Ly, D. P., Corbett, S. A.  
2005; 123 (2): 200-5

- **De novo expression of the integrin alpha5beta1 regulates alphavbeta3-mediated adhesion and migration on fibrinogen.** *The Journal of biological chemistry*

Ly, D. P., Zazzali, K. M., Corbett, S. A.  
2003; 278 (24): 21878-85

- **Gastric adenomyoma: definitely benign or defiantly premalignant?** *Digestive diseases and sciences*

Ly, D. P., Barnard, N. J., Schwarz, R. E.  
; 49 (11-12): 1930–34