

CURRICULUM VITAE

Daphne P Ly, MD

CAMPUS ADDRESS: Department of Surgical Oncology
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EDUCATION

1983 - 1986 BA, Mathematics with concentration in Computer Science., San Jose State University
1994 - 1998 MD, Albert Einstein College of Medicine

POST DEGREE TRAINING

1998 - 2005 Intern, Resident, Research Fellow, Chief Resident, General Surgery, UMDNJ - Robert Wood Johnson Medical School
2005 - 2008 Research Fellowship, Wound Healing, Hagey Laboratory for Pediatric Regenerative Medicine, Stanford University School of Medicine
2008 - 2009 Fellowship, Surgical Critical Care, Stanford University School of Medicine
2018 - 2019 Fellowship, Breast Surgical Oncology, University of California at San Francisco

CONTINUING EDUCATION AND TRAINING

04/2010 - Present Breast Ultrasound: An Introductory Course, American Society of Breast Surgeons, Las Vegas, Nevada
10/2011 - 10/2011 Intensive Breast Ultrasound: A Histopathologically-Based Approach to Detection and Diagnosis, Breast Ultrasound Education, LLC, San Francisco, California
2014 - 2015 Intensive Course in Cancer Risk Assessment ♦ Full Spectrum, City of Hope, Duarte, California

ACADEMIC APPOINTMENTS

2021 - Present Associate Professor, Surgical Oncology, University of Nebraska Medical Center, Omaha, NE
2019 - 2021 Clinical Associate Professor of Surgery, General Surgery/Breast Surgical Oncology, Department of Surgery, Stanford University School of Medicine, Stanford, CA
2009 - 2018 Clinical Assistant Professor of Surgery (Affiliated), General Surgery/Critical Care, Department of Surgery, Stanford University School of Medicine, Stanford, CA

CERTIFICATIONS AND LICENSES

1997 - 2022 ACLS Certified
2009 - 2020 American Board of Surgery 2685
2013 - 2017 ATLS Instructor, American College of Surgeons
2017 - Present American Board of Surgery 53739
2021 - 2022 Physician, Nebraska Medical License 33329

2021 - 2024 Federal DEA

OTHER APPOINTMENTS AND POSITIONS

1984 - 1984 Software Consultant Assistant, Technical West Inc, San Jose, CA,
1986 - 1986 Co-op Programmer/Analyst, IBM Corporation, San Jose, CA,
1987 - 1988 Software Engineer, Government Division, Control Data Corporation, Sunnyvale, CA,
1988 - 1989 Software Engineer, Software Development Division, Division, Control Data Corporation, Sunnyvale, CA,
1989 - 1994 Senior Member Programming Staff, Xerox Corporation, Palo Alto, CA,
1994 - 1998 Webmaster, Computer Based Education Office, Albert Einstein College of Medicine, Bronx, NY,
2009 - 2018 Staff Physician, General Surgery/Critical Care, Palo Alto VA Health Care System, Palo Alto, CA,
2010 - 2018 Director of the Breast and Melanoma Program, Palo Alto VA Health Care System, Palo Alto, CA,

HONORS AND AWARDS

1983-1985 Dean's Scholar, San Jose State University
1984 Dean's Scholar Award, San Jose State University
1984-1985 President's Scholar, San Jose State University
1985-present School of Science's Society of Archimedes., San Jose State University
1998 The Irving M. Ratner Award for Excellence in Pathology, Albert Einstein College of Medicine
2004 The Susan D. Deak Award for Excellence in Research, Robert Wood Johnson Medical School
2005 The Susan B. Deak Award for Excellence in Research, Robert Wood Johnson Medical School
2007 Center for Immersive and Simulation-based Learning Scholarsh, Stanford University School of Medicine

MEMBERSHIPS AND OFFICES IN PROFESSIONAL SOCIETIES

1999 - Present American College of Surgeons
2003 - Present Association of Women Surgeons
2008 - Present Society of Critical Care Medicine.
2009 - Present Association for Academic Surgery.
2010 - Present American Society of Breast Surgeons.
2014 - Present Member, ACS National Ultrasound Faculty
2015 - Present American Society of Clinical Oncology.

COMMITTEE ASSIGNMENTS

LOCAL/REGIONAL

2013 - 2018 Physician Utilization Management Advisor Member, Quarterly meeting of physicians and supportive staff from various discipline to ensure optimal use of hospital beds.

NATIONAL/INTERNATIONAL

2013 - 2018 National VA Breast Cancer Clinical Task Force Member, National team of multidiscipline clinicians that meets twice monthly to develop standards and guidelines for the VA health care system to ensure the quality of VA breast cancer care meets or exceeds accepted national standards of practice, improves access, VA Health Care System

UNIVERSITY-WIDE

2014 - 2018

Clinical Competency Committee for General Surgery Residents, Quarterly meeting of general surgery faculties to assess progress and development resident physicians in key dimensions of physician competency in surgical specialty., Department of Surgery, Stanford University School of Medicine

MISCELLANEOUS

Present

Ad Hoc Reviewer, Journal of Surgical Research

PRESENTATIONS

1. Ly DP; Zazzali KM; Corbett SA. A Novel Role for the Integrin alpha5beta1 in the Regulation of Cell Migration (Abstract Presentation). Proceedings for the 56th Annual Sessions of the Owen H. Wangenstein Surgical Forum 2001 Clinical Congress; 2001 Oct
2. Ly DP; Zazzali KM; Corbett SA. alpha5beta1 Regulation of Cell Migration is Mediated by the Cytoplasmic Tail of the alpha5 Subunit. (Abstract Presentation). Association for Academic Surgery 35th Annual Meeting; 2001 Nov
3. Ly DP; Rummalla VK; Wey PD. Aesthetic Breast Reconstruction after Radiation Therapy. (Abstract Presentation). ASPS/PSEF/ASMS 70th Annual Scientific Meeting; 2001 Nov
4. Ly DP; Zazzaali KM; Corbett SA. alpha5beta1 Regulates alpha5beta3- mediated Cell Migration via the ERK/MAPK Signaling Pathway. (Abstract Presentation). Association for Academic Surgery 36th Annual Meeting; 2002 Nov
5. Ly DP; Raj BM; Corbett SA. Alpha5beta1 Regulates alpha5beta3-mediated Cell Survival on Fibrinogen. (Abstract Presentation). Society of University Surgeons 64th Annual Meeting; 2003 Feb
6. Ly DP; Lee SS; Longaker MT; Cochran JR; Yang GP. Effects of Engineered EGF Mutants on Fibroblast Biological Functions. (Abstract Presentation). Society of University Surgeons section of the 2nd Annual Academic Surgical Congress; 2007 Feb
7. Beck SE; Ly DP; Lee S; Longaker M; Yang G; Cochran J. Engineering High Affinity Epidermal Growth Factor Mutants for Wound Healing Applications. (Poster Presentation). Experimental Biology Annual Meeting; 2007 Apr
8. Ly DP; Beck SE; Lee SS; Longaker MT; Cochran JR; Yang GP. Engineered Epidermal Growth Factor for Wound Healing Applications. (Abstract Presentation). Plastic Surgery Research Council 52nd Annual Meeting; 2007 Jun
9. Butler PD; Ly DP; Wang Z; Longaker MT; Yang GP. Use of Organotypic Skin Culture to Study Keloid Biology. (Abstract Presentation). American College of Surgeons 93rd Annual Clinical Congress; 2007 Oct
10. Ly DP; Beck SE; Lee SS; Longaker MT; Cochran JR; Yang GP. Enhanced In Vitro Activity of Engineered EGF is Correlated with Improved Wound Healing in A Mouse Model. (Abstract Presentation). 3rd Annual Academic Surgical Congress; 2008 Feb
11. Ly DP; Lahti JL; Beck SE; Lee SS; Longaker MT; Yang GP; Cochran JR. Enhanced Biological Function of Engineered EGF Is Correlated with Faster On-rates of Receptor Binding. (Abstract Presentation). 4th Annual Academic Surgical Congress; 2009 Feb
12. Butler PD; Ly DP; Longaker MT; Koong AC; Huang EJ; Yang GP. Targeted Deletion of HIPK2 Leads To Improved Cell Survival in Response to Endoplasmic Reticular Stress. (Abstract Presentation). 4th Annual Academic Surgical Congress; 2009 feb
13. Parent R; Long E; Zimmer D; Teshome M; Ly DP; Mohr C; Hernandez-Boussard M; Curet M; Dutta S. Early and Intermediate Effects of A Surgical Skill "Boot Camp" on An Objective Assessment of Technical Skills: A Randomized Controlled Study. (Abstract Presentation). 4th Annual Academic Surgical Congress; 2009 Feb

PUBLICATIONS

A. ARTICLES PUBLISHED IN SCHOLARLY JOURNALS

1. Ly DP, Zazzali KM, Corbett SA. De novo expression of the integrin alpha5beta1 regulates alphavbeta3-mediated adhesion and migration on fibrinogen. *The Journal of biological chemistry*. 278 : 21878-85. 2003
2. Ly DP, Barnard NJ, Schwarz RE. Gastric adenomyoma: definitely benign or defiantly premalignant?. *Digestive diseases and sciences*. 49 : 1930-4. 2004
3. Ly DP, Corbett SA. The integrin alpha5beta1 regulates alphavbeta3-mediated extracellular signal-regulated kinase activation. *The Journal of surgical research*. 123 : 200-5. 2005
4. Ly DP, Liao JG, Burd RS. Effect of surgeon and hospital characteristics on outcome after pyloromyotomy. *Archives of surgery (Chicago, Ill. : 1960)*. 140 : 1191-7. 2005
5. Chang EI, Ly DP, Wey PD. Comparison of aesthetic breast reconstruction after skin-sparing or conventional mastectomy in patients receiving preoperative radiation therapy. *Annals of plastic surgery*. 59 : 78-81. 2007
6. Butler PD, Ly DP, Longaker MT, Yang GP. Use of organotypic coculture to study keloid biology. *American journal of surgery*. 195 : 144-8. 2008
7. Lopes LB, Furnish EJ, Komalavilas P, Flynn CR, Ashby P, Hansen A, Ly DP, Yang GP, Longaker MT, Panitch A, Brophy CM. Cell permeant peptide analogues of the small heat shock protein, HSP20, reduce TGF-beta1-induced CTGF expression in keloid fibroblasts. *The Journal of investigative dermatology*. 129 : 590-8. 2009
8. Parent RJ, Plerhoples TA, Long EE, Zimmer DM, Teshome M, Mohr CJ, Ly DP, Hernandez-Boussard T, Curet MJ, Dutta S. Early, intermediate, and late effects of a surgical skills 'boot camp' on an objective structured assessment of technical skills: a randomized controlled study. *Journal of the American College of Surgeons*. 210 : 984-9. 2010
9. Boiko AD, Razorenova OV, van de Rijn M, Swetter SM, Johnson DL, Ly DP, Butler PD, Yang GP, Joshua B, Kaplan MJ, Longaker MT, Weissman IL. Human melanoma-initiating cells express neural crest nerve growth factor receptor CD271. *Nature*. 466 : 133-7. 2010
10. Lahti JL, Lui BH, Beck SE, Lee SS, Ly DP, Longaker MT, Yang GP, Cochran JR. Engineered epidermal growth factor mutants with faster binding on-rates correlate with enhanced receptor activation. *FEBS letters*. 585 : 1135-9. 2011
11. Butler PD, Wang Z, Ly DP, Longaker MT, Koong AC, Yang GP. Unfolded protein response regulation in keloid cells. *The Journal of surgical research*. 167 : 151-7. 2011
12. Steffel L, Kim TE, Howard SK, Ly DP, Kou A, King R, Mariano ER. 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*. 35 : 177-82. 2016

B. ARTICLES ACCEPTED FOR PUBLICATION IN SCHOLARLY JOURNALS

Not Applicable

C. ARTICLES SUBMITTED FOR PUBLICATION IN SCHOLARLY JOURNALS

Not Applicable

D. BOOKS PUBLISHED, IN PREPARATION, SUBMITTED OR IN PRESS

Not Applicable

E. CHAPTERS IN BOOKS

Not Applicable

F. BOOKS OR JOURNALS EDITED

Not Applicable

G. ABSTRACTS AND PRELIMINARY COMMUNICATIONS

Not Applicable

H. PUBLISHED AUDIOVISUAL OR COMPUTER-BASED EDUCATIONAL MATERIALS AND COMPUTER SOFTWARE

Not Applicable

I. PUBLISHED CONTINUING EDUCATION MATERIALS

Not Applicable

J. EDITORIALS

Not Applicable

K. CONFERENCE PROCEEDING

Not Applicable

EDUCATION/TEACHING ACTIVITY

A. COURSES, INDIVIDUAL TAUGHT

ACS Basic Ultrasound Course

Director: Directed the course for general surgery residents at UC San Francisco, 11/12/2014
Teach and/or direct the course yearly for Stanford General Surgery residents., 2014 - 2021

ACS Focus Echo Ultrasound Course

Teach and/or direct the course yearly for Stanford General Surgery residents., 2014 - 2021

ATLS

Instructor: Teach ATLS course at Stanford University School of Medicine for General Surgery and Emergency Medicine residents as well as regional practicing physicians twice per year., 2013 - 2021

Cadaver Lab ♦ Axillary Lymph Node Dissection

Taught cadaver skill lab for general surgery residents at Stanford University School of Medicine., 4/28/2015

Hernia Lecture, Stanford University School of Medicine

Lecture: Provided lecture on hernia for medical students rotating on the Surgery Clerkship once every eight-week block., 2009 - 2014

ICU POC Bedside Ultrasound Course for VA ICU House Staff

Director: Develop a 2-hour weekly course to train house staff rotating through the VA ICU in basic skills for vascular, thoracic, and echo ultrasounds using an echo simulator and live model., 2014 - 2018

ICU Simulation

Instructor: Instructor for ICU Simulation session for Critical Care NPs, 9/24/2013

Surgery Clerkship: Breast Module for medical students

Run the breast module for the Surgery Clerkship for third year medical students at Stanford University School of Medicine., 2014 - 2018

Surgical Anatomy Course

Served as instructor in the anatomy lab for medical students at Stanford University School of Medicine, 1/22/2014

Ultrasound Guided Central Line Placement for Critical Care Medicine Fellows

Served as instructor for the ultrasound guided central line placement course for Critical Care Medicine fellows at Stanford University School of Medicine., 10/19/2010

Ultrasound Guided Central Line Placement for Emergency Room Physicians

Director: Organized and taught a course in ultrasound guided central line placement for physicians in the Emergency Department at the Palo Alto VA., 6/1/2010

B. CONTINUING EDUCATION (CE) INSTRUCTION**ACS Basic Ultrasound Course**

Instructor: Served as instructor for the course for general surgery residents at UC San Francisco, 3/26/2014

Bedside ICU Point of Care Ultrasound for Critical Care Nurse Practitioners

Lecture: Taught bedside ICU Point of Care Ultrasound to Critical Care Nurse Practitioners which included transthoracic echo, thoracic ultrasound, abdominal ultrasound, and vascular ultrasounds., 10/21/2015

Bedside TTE for ICU Physicians

Director: Organized and taught bedside TTE for ICU physicians in the medical/surgical ICU at the Palo Alto VA., 1/8/2010

Monthly Didactic Lecture in VA ICU

Lecture: Deliver one to two one-hour didactic lecture to ICU house staff on critical care topics such as sepsis, acute pancreatitis management, advance vent modes, and ARDS., 2009 - 2017

Quarterly PACT Carve Out Lecture ♦ Breast Care and Cancer Prevention

Delivered lecture on breast care and breast cancer prevention to primary providers and women's health providers, 10/20/2015 - 10/21/2015

Stanford ULTRAfest 2014

Instructor: Ultrasound instructor for ultrasound course offered by Stanford to medical students nationwide., 10/18/2014