

PAUL TOSTE, MD

CURRICULUM VITAE

PERSONAL HISTORY

2019- UCLA Division of Thoracic Surgery
10833 Le Conte Avenue
64-128 CHS
Los Angeles, CA 90095
(310) 794-7333

EDUCATION

2002-2006 Michigan State University
East Lansing, MI
Bachelor of Science, with highest honors- Human Biology

2006-2010 University of Cincinnati College of Medicine
Cincinnati, OH
Doctor of Medicine

2010-2011 University of California, Los Angeles
Los Angeles, CA
General Surgery Intern

2011-2017 University of California, Los Angeles
Los Angeles, CA
General Surgery Resident

2017-2019 Brigham and Women's Hospital
Boston, MA
Thoracic Surgery Fellow

LICENSURE

2012-2021 California- A119869

BOARD CERTIFICATION

2018-2028 Surgery- 063522

PROFESSIONAL EXPERIENCE

2019- Health Sciences Assistant Professor
Thoracic Surgery
University of California, Los Angeles

PROFESSIONAL ACTIVITIES

ADMINISTRATIVE AND COMMITTEE SERVICE

1. Brigham and Women's Hospital Thoracic Surgery Administrative Chief Fellow. 2019
2. UCLA General Surgery Administrative Chief Resident. 2016-2017
3. UCLA CareConnect (electronic medical record) Resident Informaticist. 2012-2014
4. University of Cincinnati College of Medicine Year 1 Promotions Board member. 2008-2010
5. University of Cincinnati College of Medicine Committee on Admissions member. 2007-2008

EDUCATIONAL SERVICE

1. Instructor- abdominal exam module. UCLA Surgery Clerkship. 2012-2014
2. Instructor- basic suturing module. UCLA Surgery Clerkship. 2012-2014

PROFESSIONAL MENTORING

1. Research Preceptor- Mihir Bikhchandani. UCLA Medical Student Summer Research Project. 2013
2. Research Preceptor- Mindy Duong. Independent Undergraduate Research Project. 2012-2013

MEMBERSHIPS IN PROFESSIONAL SOCIETIES

1. Society of Thoracic Surgeons. 2018-
2. UCLA Longmire Surgical Society. 2017-
3. American College of Surgeons. 2010-

HONORS AND SPECIAL AWARDS

1. Brigham and Women's Hospital Outstanding Thoracic Fellow Nurses Choice Award. 2019
2. Brigham and Women's Hospital Outstanding Thoracic Fellow PA Choice Award. 2019
3. Outstanding UCLA General Surgery Chief Resident Award. 2017
4. Outstanding Resident Teaching Award. 2014
5. Outstanding Resident Teaching Award. 2013
6. Alpha Omega Alpha- inducted at the end of the third year of medical school. 2009
7. Eugene B. Ferris Award- awarded to the student ranked first in the class after year 2. 2008
8. Department of Pathology First Honors Award- awarded to the student achieving the highest grade in pathology. 2008
9. William Buchanan Wherry Award- awarded to the student achieving the highest grade in microbiology. 2008
10. McGraw Hill Publishing Award- awarded to the student ranked first in the class after year 1. 2007
11. Excellence in Physiology Award- awarded to the student achieving the highest grade in physiology. 2007
12. Michigan State University Board of Trustees Award- awarded in honor of achieving a 4.0 undergraduate GPA. 2006
13. Michigan State University Alumni Distinguished Scholarship- full tuition, room, and board scholarship for academic achievement. 2002-2006

RESEARCH GRANTS AND FELLOWSHIPS RECEIVED

- 2012-2014 California Institute for Regenerative Medicine Training Grant. University of California Los Angeles, Department of Surgery. PI: Timothy Donahue, MD. Studied the molecular response to chemotherapy in pancreatic cancer-associated fibroblasts. \$83,000 yearly or 2 years.
- 2007 NIH Medical Student Summer Research Fellowship. Cincinnati Children's Hospital, Department of General and Thoracic Surgery. PI: Brad Warner, MD. Evaluated the angiogenic response to small bowel resection in a murine model using fluorescent confocal microscopy. \$5000.
- 2002-2004 MSU Professorial Assistantship. Michigan State University, Department of Microbiology. PI: J. Justin McCormick, PhD. Characterized the expression of multiple oncogenes in several human sarcoma cell lines.

RESEARCH PAPERS

RESEARCH PAPERS (PEER REVIEWED)

1. Sho S, Court CM, Winograd P, **Toste PA**, Pisegna JR, Lewis M, Donahue TR, Hines OJ, Reber HA, Dawson DW, Tomlinson JS. "A prognostic scoring system for the prediction of metastatic recurrence following curative resection of pancreatic neuroendocrine tumors." *Journal of Gastrointestinal Surgery*. 2019 Jul;23(7):1392-1400.
2. Nguyen AH, Elliott IA, Wu N, Matsumura C, Vogelauer M, Attar N, Dann A, Ghukasyan R, **Toste PA**, Patel SG, Williams JL, Li L, Dawson DW, Radu C, Kurdistani SK, Donahue TR. "Histone deacetylase inhibitors provoke a tumor supportive phenotype in pancreatic cancer associated fibroblasts." *Oncotarget*. 2017 Mar; 8(12):19074-88.
3. Williams JL, Chan CK, **Toste PA**, Elliot IA, Vasquez CR, Sunjaya DB, Swanson EA, Koo J, Hines OJ, Reber HA, Dawson DW, Donahue TR. "Association of histopathologic phenotype of periampullary adenocarcinomas with survival." *JAMA Surg*. 2017 Jan;152(1):82-88.
4. **Toste PA**, Nguyen AH, Kadera BE, Duong M, Wu N, Tran LM, Bikhchandani M, Li L, Patel SG, Dawson DW, Donahue TR. "Chemotherapy-induced Inflammatory Gene Signature and Pro-tumorigenic Phenotype in Pancreatic CAFs via Stress-associated MAPK." *Molecular Cancer Research*. 2016 May;14(5):437-47.
5. **Toste PA**, Li L, Kadera BE, Nguyen AH, Tran LM, Wu N, Madnick DL, Patel SG, Dawson DW, Donahue TR. "p85 α Is a MicroRNA Target and Affects Chemosensitivity in Pancreatic Cancer." *Journal of Surgical Research*, 2015 Jun; 196(2):285-93.
6. Nguyen AH, **Toste PA**, Farrell JJ, Clerkin BM, Williams J, Muthusamy VR, Watson RR, Tomlinson JS, Hines OJ, Reber HA, Donahue TR. "Current Recommendations for Surveillance and Surgery of Intraductal Papillary Mucinous Neoplasms May Overlook Some Patients with Cancer." *Journal of Gastrointestinal Surgery*, 2015 Feb; 19(2):258-65.
7. Kadera BE, **Toste PA**, Wu N, Li L, Nguyen AH, Dawson DW, Donahue TR. "Low Expression of the E3 Ubiquitin Ligase CBL Confers Chemoresistance in Human Pancreatic Cancer and is Targeted by Epidermal Growth Factor Receptor Inhibition." *Clinical Cancer Research*, 2015 Jan; 21(1):157-65.

8. Donahue TR, Nguyen AH, Moughan J, Li L, Tatishchev S, **Toste P**, Farrell JJ. "Stromal Micro-RNA-21 Levels Predict Response to 5-fluorouracil in Patients with Pancreatic Cancer." *Journal of Surgical Oncology*, 2014 Dec; 110(8):952-9.
9. **Toste PA**, Kadera BE, Tatishchev SF, Dawson DW, Clerkin BM, Muthusamy R, Watson R, Tomlinson JS, Hines OJ, Reber HA, Donahue TR. "Small Non-functional Pancreatic Neuroendocrine Tumors Are Associated with a Low Incidence of Nodal Metastasis and an Excellent Overall Survival." *Journal of Gastrointestinal Surgery*, 2013 Dec;17(12):2105-13.
10. Kadera BE, Li L, **Toste PA**, Wu N, Adams C, Dawson DW, Donahue TR. "MicroRNA-21 in Pancreatic Ductal Adenocarcinoma Tumor-associated Fibroblasts Promotes Metastasis." *PLoS One*, 2013 Aug; 8(8):e71978.
11. Farrell JJ, **Toste P**, Wu N, Li L, Li X, Lin TM, Wong J, Wu X, Dawson D, Wu H, Donahue TR. "Endoscopically Acquired Pancreatic Cyst Fluid MicroRNA 21 and 221 are Associated with Invasive Cancer." *American Journal of Gastroenterology*, 2013 Aug;108(8):1352-9.
12. Martin CA, Perrone EE, Longshore SW, **Toste P**, Bitter K, Nair R, Guo J, Erwin CR, Warner BW, "Intestinal Resection Induces Angiogenesis within Adapting Intestinal Villi." *Journal of Pediatric Surgery*, 2009 Jun; 44(6):1077-83.

EDITORIALS

1. **Toste PA**, Lee JM. "Limited resection versus lobectomy in early-stage non-small cell lung cancer." *J Thorac Dis*. 2016 Nov; 8(11):E1511-13.

ABSTRACTS

1. Williams J, Chan C, **Toste P**, et al. *Periampullary Cancers: Histopathologic Subtype Is a Stronger Determinant of Patient Survival Than Anatomic Location*. Pacific Coast Surgical Association. Kohala Coast, HI. March 2016.
2. Patel S, Li L, Nguyen A, **Toste P**, et al. *The Tumor Supportive Phenotype of Chemotherapy Conditioned PDAC Fibroblasts Depends on NfkB*. Academic Surgical Congress. Las Vegas, NV. February 2015.
3. Nguyen A, Patel S, Vogelauer M, **Toste P**, et al. *Histone Deacetylase Inhibitors Induce a Pro-inflammatory Phenotype in Pancreatic Cancer Fibroblasts*. Academic Surgical Congress. Las Vegas, NV. February 2015.
4. Nguyen A, Patel S, Vogelauer M, **Toste P**, et al. *Histone Deacetylase Inhibitors Unleash a Pro-inflammatory Tumor-supportive Phenotype in Pancreatic Cancer Fibroblasts*. American Pancreatic Association. Waimea, HI. November 2014.
5. **Toste P**, Kadera B, Nguyen A, et al. *Chemotherapy Resistant Pancreatic Cancer Tumor-Associated Fibroblasts Are Protumorigenic*. Pancreas Club. Chicago, IL. May 2014.
6. **Toste P**, Kadera B, Nguyen A, et al. *Chemotherapy Resistant Pancreatic Cancer Tumor-Associated Fibroblasts Are Protumorigenic*. UCLA Department of Surgery Longmire Scientific Day. Los Angeles, CA. March 2014.
7. Nguyen A, **Toste P**, Clerkin B, et al. *Current Indications for Surgery of IPMNs May Overlook Some Patients with Cancer: Recommendations for Change*. Pacific Coast Surgical Association. Dana Point, CA. February 2014.
8. **Toste P**, Kadera B, Nguyen A, et al. *The Impact of Chemotherapy on Pancreatic Cancer Tumor-Associated Fibroblasts*. Academic Surgical Congress. San Diego, CA. February 2014.

9. Kadera B, **Toste P**, Wu N, et al. *Loss of the E3 Ubiquitin Ligase CBL Confers Chemoresistance in Human Pancreatic Cancer and is Targeted by Epidermal Growth Factor Receptor Inhibition*. Academic Surgical Congress. San Diego, CA. February 2014.
10. **Toste P**, Kadera B, Nguyen A, et al. *Chemotherapy Resistant Pancreatic Cancer Tumor-Associated Fibroblasts Are Protumorigenic* Ahmanson Translational Imaging Division in Molecular and Medical Pharmacology Grand Rounds. Los Angeles, CA. February 2014.
11. **Toste P**, Kadera B, Nguyen A, et al. *Chemotherapy Resistant Pancreatic Cancer Tumor-Associated Fibroblasts Are Protumorigenic*. UCLA Stem Cell Club. Los Angeles, CA. February 2014.
12. **Toste P**, Kadera B, Tatishchev S, et al. *Small Non-functional Pancreatic Neuroendocrine Tumors Are Associated with a Low Incidence of Nodal Metastasis and an Excellent Overall Survival*. Pancreas Club. Orlando, FL. May 2013.
13. **Toste P**, Kadera B, Tatishchev S, et al. *Small Non-functional Pancreatic Neuroendocrine Tumors Are Associated with a Low Incidence of Nodal Metastasis and an Excellent Overall Survival*. UCLA Department of Surgery Longmire Scientific Day. Los Angeles, CA. March 2013.
14. Kadera B, Li L, **Toste P**, et al. *MicroRNA-21 in Pancreatic Ductal Adenocarcinoma Tumor-Associated Fibroblasts Promotes Metastasis*. Academic Surgical Congress. New Orleans, LA. February 2013.

POSTER PRESENTATIONS

1. **Toste P**, Kadera B, Nguyen A, et al. *Chemotherapy Treated Pancreatic Cancer Tumor-Associated Fibroblasts Are Protumorigenic*. AACR Pancreatic Cancer: Innovations in Research and Treatment. New Orleans, LA. May 2014.
2. **Toste P**, Kadera B, Nguyen A, et al. *Chemotherapy Resistant Pancreatic Cancer Tumor-Associated Fibroblasts Are Protumorigenic*. UCLA Annual Stem Cell Symposium. Los Angeles, CA. January 2014.
3. **Toste P**, Kadera B, Li L, et al. *MicroRNA-21 Expression in the Pancreatic Cancer Microenvironment Drives Tumorigenesis, Invasion and Chemoresistance*. California Institute for Regenerative Medicine Grantee Meeting. San Francisco, CA. March 2013.
4. Kadera B, Wu N, **Toste P**, et al. *Loss of the Ubiquitin Ligase CBL Increases Cancer Stem Cell Formation Through EGFR Autoactivation In Pancreatic Cancer*. California Institute for Regenerative Medicine Grantee Meeting. San Francisco, CA. March 2013.
5. **Toste P**, Kadera B, Li L, et al. *MicroRNA-21 Expression in the Pancreatic Cancer Microenvironment Drives Tumorigenesis, Invasion and Chemoresistance*. UCLA Annual Stem Cell Symposium. Los Angeles, CA. February 2013.
6. **Toste P**, Martin C, Warner B. *Angiogenesis in Adaptation to Small Bowel Resection*. Medical Student Summer Research Program Poster Session. Cincinnati, OH. September 2007.