

Curriculum Vitae for: Elaine Tan, M.D.

Current Position: Hematology/Oncology Attending Physician
James A. Haley Veterans Hospital
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Tampa, FL 33612
Email: elaine.tan@va.gov

Education:
2012- 2016: M.D., University of South Florida Morsani College of Medicine,
Tampa, FL

Postgraduate Training and Fellowship Appointments

2016 – 2019 Residency, Internal Medicine, Emory University. Atlanta, GA.

2019 – 2022 Fellowship, Hematology/Oncology, Moffitt Cancer
Center/University of South Florida. Tampa, FL.

License

Florida, 2019-2027, Active

Board Certifications

American Board of Internal Medicine: Internal Medicine, 2019

American Board of Internal Medicine: Hematology, 2022

American Board of Internal Medicine: Medical Oncology, 2022

Honors and Awards

1. Gastrointestinal Cancers Symposium Merit Award awarded by the American Society of Clinical Oncology 2020, 2021.
2. Resident Citizenship Award awarded by Emory University J. Willis Hurst Internal Medicine Residency Program 2018.
3. Gold Humanism Honor Society awarded by the University of South Florida Morsani College of Medicine Barnes-Behnke Chapter 2016.

Clinical Research/Trials

1. Site principal investigator (PI) for \$3 million grant via the VA ORD (Office of Research and Development) to create a center of excellence at JAHVH as part of the nationwide lung precision oncology program (LPOP) to be shared by VA centers in Tampa, Miami and Bay Pines/St. Petersburg, FL. The purpose of this grant is to create a research infrastructure for lung cancer screening and research based on precision oncology for patients with advanced lung cancer. The centers of excellence will serve as a platform to open multi-site clinical trials. 2022-present.
2. Site Principal Investigator: Clinical Utility of Management of Patients with CT and LDCT Identified Pulmonary Nodules Using the Percepta Nasal Swab Classifier

(NIGHTINGALE)- Familiarization and qualification protocol. 2023-present.

3. Co-Investigator: REFLECTION: Real World Evidence for Learnings in Early Cancer Detection, a Clinical Practice Learning Program for Galleri. 2022-present.
4. Site Principal Investigator: SKYSCRAPER-15: A Phase III, Randomized, Double-Blind Study of Tiragolumab Plus Atezolizumab Compared With Placebo Plus Atezolizumab In Participates With Completely Resected Stage IIB, IIIA, Or Select IIIB, PD-L1 Positive, Non-Small Cell Lung Cancer Who Have Received Adjuvant Platinum-Based Chemotherapy. 2023-2024.
5. Site Principal Investigator: MIRATI: A Phase 3 Trial of Adagrasib in Combination with Pembrolizumab versus Pembrolizumab in Patients with Advanced Non-Small Cell Lung Cancer with KRAS G12C Mutation. 2023-Present.

Peer-Reviewed Publications

1. Dukes C, Potez M, Lancet J, Kuter B, Whiting J, Mo Q, Leav B, Wang H, Vanas JS, Cubitt C, Isaacs-Soriano K, Kennedy K, Rathwell J, Diaz Cobo J, O’Nan W, Sirak B, Dong N, **Tan E**, Hwu P, Guiliano A, Pilon-Thomas S. Neutralizing Antibody Response Following a Third Dose of the mRNA-1273 Vaccine Among Cancer Patients. *Vaccines*. 2023 Dec 22;12(1):13. doi: 10.3390/vaccines12010013.
2. **Tan E**, Fan W, Knepper TC, Schell MJ, Sahin IH, Fleming JB, Xie H. Prognostic and Predictive Value of *PIK3CA* Mutations in Metastatic Colorectal Cancer. *Targeted Oncology*. 2022 Jun 29. doi: 10.1007/s11523-022-00898-7. PMID: 35767139
3. Karan C, **Tan E**, Sarfraz H, Knepper TC, Walko C, Felder S, Kim RD, Sahin IH. Human Epidermal Growth Factor Receptor 2–Targeting Approaches for Colorectal Cancer: Clinical Implications of Novel Treatments and Future Therapeutic Avenues. *JCO Oncology Practice*. May 2022. <https://doi.org/10.1200/OP.21.00904>.
4. **Tan E**, Knepper TC, Wang X, Permuth JB, Wang L, Fleming JB, Xie H. Copy Number Alterations as Novel Biomarkers and Therapeutic Targets in Colorectal Cancer. *Cancers*. 2022 Apr 29;14(9):2223. <https://doi.org/10.3390/cancers14092223>.
5. Guiliano A, Lancet J, Pilon-Thomas S, Dong N, Jain A, **Tan E**, Ball S, Tworoger S, Siegel E, Whiting J, Mo Q, Cubitt C, Dukes C, Hensel J, Keenan R, Hwu P. Evaluation of Antibody Response to SARS-CoV-2-mRNA-1273 Vaccination in Patients with Cancer in Florida. *JAMA Oncology*. 2022; DOI: 10.1001/jamaoncol.2022.0001.
6. **Tan E**, Whiting J, Knepper T, Xie H, Imanirad I, Carballido E, Felder S, Frakes J, Mo X, Permuth J, Somerer K, Kim RD, Anaya D, Fleming J, Walko C, Sahin I. Core homologous recombination mutations and improved survival in non-pancreatic GI cancers. *American Journal of Clinical Oncology*. 2022 March 7. DOI: 10.1097/COC.0000000000000901.
7. **Tan E**, Whiting J, Xie H, Imanirad I, Carballido E, Felder S, Frakes J, Mo Q, Walko C, Permuth JB, Kim R, Anaya D, Fleming J. BRAF mutations are associated with poor survival

outcomes in advanced stage mismatch repair deficient/microsatellite high colorectal cancer. *The Oncologist*. 2022. DOI: 10.1093/oncolo/oyab055.

8. **Tan E**, Gakhar N, Kirtane K. TCR gene-engineered cell therapy for solid tumors. *Best Practice and Research: Clinical Haematology*. 2021 Sep; 34(3):101285. PMID: 34625228. DOI: 10.1016/j.beha.2021.101285

9. **Tan E**, Cao B, Kim J, Al-Toubah TE, Meroni A, Mehta R, Centeno BA, Kim RD. Phase II Study of Copanlisib in Combination with Gemcitabine and Cisplatin in Advanced Biliary Tract Cancers. *Cancer*. 2021 Apr 15;127(8):1293-1300. DOI: 10.1002/cncr.33364.

10. Kim DW, **Tan E**, Zhou J, Schell M, Martinez M, Yu J, Carballido E, Mehta R, Strosberg J, Imanirad I, Kim RD. A Phase I/II trial of ibrutinib in combination with pembrolizumab in patients with mismatch repair proficient metastatic colorectal cancer. *British Journal of Cancer*. 2021 Apr 7. DOI: 10.1038/s41416-021-01368-z.

11. **Tan E**, Tran N, Peguero E, Robinson T, Gaballa S. Lymphoplasmacytic lymphoma manifesting as a cervical spine mass with Parkinson-like symptoms treated with ibrutinib. *Current Problems in Cancer: Case Reports*. Volume 3, March 2021, 100046. <https://doi.org/10.1016/j.cpccr.2020.100046>.

12. **Tan E**, Sahin I. Defining the current role of immune checkpoint inhibitors in the treatment of mismatch repair-deficient/microsatellite stability-high colorectal cancer and shedding light on future approaches. *Expert Rev Gastroenterol Hepatol*. 2021 Feb 18; 1-8. DOI: 10.1080/17474124.2021.1886077.

13. Sahin I, **Tan E**, Kim RD. Regorafenib, an investigational agent for the treatment of cholangiocarcinoma. *Expert Opinion on Investigational Drugs*. 2020 Dec 30;1-9. PMID: 33378249 DOI: 10.1080/13543784.2021.1867537.

14. Kim R, **Tan E**, Wang E, Mahipal A, Chen DT, Cao B, Masawi F, Machado C, Yu J, and Kim DW. A Phase I Trial of Trametinib in Combination with Sorafenib in Patients with Advanced Hepatocellular Cancer. *The Oncologist*. 2020 Dec;25(12):e1893-e1899. DOI:10.1634/theoncologist.2020-0759.

15. **Tan E**, El-Rayes B. Pancreatic Cancer and Immunotherapy: Resistance Mechanisms and Proposed Solutions. *Journal of Gastrointestinal Cancer*. 2019 Mar;50(1):1-8. PMID: 30446922. DOI: 10.1007/s12029-018-0179-z.

16. **Tan E**, Mody MD, Saba NF. Systemic Therapy in Non-Conventional Cancers of the Larynx. *Oral Oncology*. 2018 Jul;82: 61-68. DOI: 10.1016/j.oraloncology.2018.05.005.

17. Saba NF, Mody MD, **Tan ES**, Gill HS, Rinaldo A, Takes RP, Strojan P, Hartl DM, Vermorken JB, Haigentz M Jr, Ferlito A. Toxicities of systemic agents in squamous cell carcinoma of the head and neck (SCCHN); A new perspective in the era of immunotherapy. *Critical Reviews in Oncology/Hematology*. 2017 Jul; 115:50-58. PMID: 28602169. DOI: 10.1016/j.critrevonc.2017.04.011.

18. Jiang K, **Tan E**, Sayegh Z, Centeno B, Malafa M, Coppola D. Cancer Antigen 125 (CA125,

MUC16) Protein Expression in the Diagnosis and Progression of Pancreatic Ductal Adenocarcinoma. *Applied Immunohistochemistry and Molecular Morphology*. 2017 Oct; 25(9):620-623. PMID: 27093451 DOI: 10.1097/PAI.0000000000000368.

19. **Tan E**, Coppola D, Friedman M. Myxofibrosarcoma Metastasis to the Colon: Case Report and Review of the Literature. *Cancer Treatment Communications*. 2016; 5:14-16. DOI: 10.1016/j.ctrc.2015.11.007.

20. **Tan E**, Shao H, Friedman M. Mycosis Fungoides Metastasis to the Rectum: Case Report and Review of the Literature. *J Gastrointest Cancer*. 2016 Dec 47(4):417-419. PMID: 26195195. DOI: 10.1007/s12029-015-9751-y.

21. **Tan E**, Friedman M, Coppola D. Occurrence of multiple tumors in the same patient. *Cancer Control*. 2015 Oct;22(4):505-7. PMID: 26678978.

Poster Presentations/Scientific Abstracts

1. Precious Leaks-Gutierrez (Presenter), Nathaniel Dascher, Lauren Deland, **Elaine Tan**. A Phase 2 Trial of Adagrasib Monotherapy and in Combination with Pembrolizumab and a Phase 3 Trial of Adagrasib in Combination with Pembrolizumab versus Pembrolizumab in Patients with Advanced Non-Small Cell Lung Cancer with KRAS G12C Mutation. Poster Presentation at VA Research Week; Tampa, FL; May 2024.

2. **Elaine Tan (Presenter)**, Junmin Whiting, Hao Xie, Iman Imanirad, Estrella Carballido, Seth Felder, Jessica Frakes, Quanxing Mo, Christine Walko, Jennifer B. Permuth, Richard Kim, Daniel A. Anaya, Jason B. Fleming, Ibrahim Halil Sahin. BRAF V600E mutation and decreased survival in metastatic mismatch repair deficient colorectal cancer patients. Poster Presentation at Moffitt Cancer Center Symposium; Tampa, FL; May 2022.

3. **Elaine Tan (Presenter)**, Wenyi Fan, Michael J. Schell, Ibrahim H. Sahin, Jason B. Fleming, Todd C. Knepper, Hao Xie. Prognostic and predictive value of PIK3CA mutations in metastatic colorectal cancer (mCRC). Poster presentation at American Association of Clinical Research Annual Meeting; New Orleans, CA; April 2022.

4. **Elaine Tan (Presenter)**, Junmin Whiting, Christine Walko, Todd Knepper, Hao Xie, Iman Imanirad, Estrella Carballido, Seth Felder, Jessica Frakes, Quanxing Mo, Jennifer B. Permuth, Richard Kim, Daniel A. Anaya, Jason B. Fleming, Ibrahim Halil Sahin. Core homologous recombination mutations and improved survival in non-pancreatic GI cancers. Poster presentation at ASCO Gastrointestinal Cancers Symposium; San Francisco, CA; January 2022.

5. **Elaine Tan (Presenter)**, Junmin Whiting, Hao Xie, Iman Imanirad, Estrella Carballido, Seth Felder, Jessica Frakes, Quanxing Mo, Christine Walko, Jennifer B. Permuth, Richard Kim, Daniel A. Anaya, Jason B. Fleming, Ibrahim Halil Sahin. BRAF V600E mutation and decreased survival in metastatic mismatch repair deficient colorectal cancer patients. Poster presentation at ASCO Gastrointestinal Cancers Symposium; San Francisco, CA; January 2022.

6. Ning Dong (Presenter), Akriti G Jain, **Elaine S Tan**, Somedeb Ball, Junmin Whiting, Sameh Gaballa, Leidy Isenalumhe, Celeste Bello, Hayder Saeed, Bijal D. Shah, Frederick L. Locke,

Julio C. Chavez, Jeffrey E. Lancet, Lubomir Sokol, Javier Pinilla Ibarz, Anna Giuliano. Immunogenicity of Sars-Cov-2 mRNA 1273 Vaccine in Patients with Lymphoid Malignancies. American Society of Hematology Annual Meeting; Atlanta, GA; December 2021.

7. Akriti G Jain (Presenter), Ning C. Dong, Somedeb Ball, **Elaine S Tan**, Junmin Whiting, Rami S. Komrokji, Kendra Sweet, Onyee Chan, David A. Sallman, Eric Padron, Andrew T. Kuykendall, Anna Giuliano, and Jeffrey E. Lancet. Responses to Sars-Cov-2 Vaccines in Patients with Myelodysplastic Syndrome and Acute Myeloid Leukemia. American Society of Hematology Annual Meeting; Atlanta, GA; December 2021.

8. **Elaine Tan (Presenter)**, Kevin Hicks, Kirsten Blue, Richard Kim, Estrella Carballido, Dae Won Kim. Efficacy of Olaparib Therapy in Metastatic Pancreatic Ductal Adenocarcinoma (PDAC) with Homologous Recombination Deficiency (HRD). Poster Presentation: Virtual ASCO; June 2021.

9. **Elaine Tan (Presenter)**, Jun Min Zhou, Michael Schell, Vincent Chung, Olatunji Alese, Richard Kim, Dae Won Kim. Biomarker Analysis of Nivolumab in Patients with Biliary Tract Cancer. Poster Presentation: Virtual Moffitt Scientific Symposium; April 2021.

10. **Elaine Tan (Presenter)**, Jun Min Zhou, Michael Schell, Vincent Chung, Olatunji Alese, Richard Kim, Dae Won Kim. Biomarker Analysis of Nivolumab in Patients with Biliary Tract Cancer. Poster Presentation: Virtual ASCO Gastrointestinal Cancers Symposium; January 2021.

11. **Elaine Tan (Presenter)**, Biwei Cao, Jongphil Kim, Barbara Centeno, Richard Kim. PTEN Expression Level and Response to PI3K Inhibition in Advanced Cholangiocarcinoma. Poster Presentation: Cholangiocarcinoma Virtual Summit; October 2020.

12. **Elaine Tan (Presenter)**, Dae Kim, Iman Imanirad, Estrella Carballido, Jun Min Zhou, Michael Schell, Maria Martinez Jimenez, Richard Kim. A Phase I/II Study of Pembrolizumab in Combination with Ibrutinib for Advanced, Refractory Microsatellite Stable Colorectal Cancers. Poster Presentation: World Congress on Gastrointestinal Cancer Virtual Meeting; July 2020.

13. **Elaine Tan (Presenter)**, Biwei Cao, Jongphil Kim, Angel Meroni, Dae Won Kim, Rutika Mehta, Barbara Centeno, Richard Kim. Phase II Study of Copanlisib in Combination with Gemcitabine and Cisplatin in Advanced Cholangiocarcinoma. Moffitt Cancer Center Poster Presentation: Virtual Symposium; Tampa, FL; April 2020.

14. **Elaine Tan (Presenter)**, Biwei Cao, Jongphil Kim, Angel Meroni, Dae Won Kim, Rutika Mehta, Barbara Centeno, Richard Kim. Phase II Study of Copanlisib in Combination with Gemcitabine and Cisplatin in Advanced Cholangiocarcinoma. Poster Presentation: University of South Florida Health Research Day; Tampa, FL; February 2020.

15. **Elaine Tan (Presenter)**, Biwei Cao, Jongphil Kim, Angel Meroni, Dae Won Kim, Rutika Mehta, Barbara Centeno, Richard Kim. Phase II Study of Copanlisib in Combination with Gemcitabine and Cisplatin in Advanced Cholangiocarcinoma. Poster Presentation: ASCO Gastrointestinal Cancers Symposium; San Francisco, CA; January 2020.

16. **Elaine Tan (Presenter)**, Jonathan Kaufman. An Atypical Cause of a Symptomatic Brain Lesion. Poster Presentation: Southern Hospital Medicine Conference; New Orleans, LA; October

2017.

17. **Elaine Tan (Presenter)**, Sumita Trivedi, Richard Ramonell. Acquired Factor VIII Inhibitor: A Rare Cause of Swollen Joints. Poster Presentation: American College of Physicians Georgia Chapter Meeting; Savannah, GA; September 2017.

18. **Elaine Tan (Presenter)**, Domenico Coppola, Mark Friedman. Myxofibrosarcoma Metastasis to the Colon: Case Report. Poster Presentation: Moffitt Scientific Symposium; Tampa, FL; May 2015.

19. **Elaine Tan (Presenter)**, Mark Friedman, Haipeng Shao. Mycosis Fungoides Metastasis to the Rectum: Case Report. Poster Presentation: University of South Florida Health Research Day; Tampa, FL; February 2015.

20. Muhammad Adnan, Rafik Lababidi, **Elaine Tan**, Ambuj Kumar, and Yasser Saloum. Outcome and Predictors of Survival after Transjugular Intrahepatic Portosystemic Shunt (TIPS) in Patients with Cirrhosis of Liver and Portal Hypertension. Poster Presentation/Abstract: *American Journal of Gastroenterology*. October 2013. 108: S128, 2013.

Oral Presentations

1. Development of an Oncology Clinical Trials Program at Bay Pines VAMC and Collaborative Expansion Across VISN 8. Presented at Association of VA Hematology Oncology (AVAHO) Annual Meeting, Atlanta, GA. September 2024.

2. VA Internal Medicine Noon Conference: Malignant Hematology. Presented at James A. Haley Veterans' Hospital, Tampa, FL. May 2023.

3 Fellowship Conference: Lower Gastrointestinal Cancers: Diagnosis and Management. Presented at Moffitt Cancer Center, Tampa, FL. December 2020.

4. Fellowship Conference: Platelet Disorders. Presented at Moffitt Cancer Center, Tampa, FL. March 2020.

5. Fellowship Journal Club: Iron Supplementation. Presented at Moffitt Cancer Center, Tampa, FL. November 2019.

6. Resident Noon Conference: Challenging Hematology Cases. Presented at James A. Haley Veterans Affairs Hospital, Tampa, FL. September 2019.

7. Senior Grand Rounds: Code Status and Cancer Patients. Presented at Grady Memorial Hospital, Atlanta, GA. June 2019.

8. Resident Journal Club: Proton Pump Inhibitors Versus Histamine 2 Receptor Antagonists for Stress Ulcer Prophylaxis in Critically Ill Patients: A Systematic Review and Meta-Analysis. Presented at Emory University Hospital Midtown, Atlanta, GA. October 2017.

9. Resident Case Conference: Patient with New Onset Joint Swelling. Presented at Atlanta Veterans Affairs Hospital, Atlanta, GA. October 2016.