



Curriculum Vitae and Bibliography

Kekoa Taparra, M.D., Ph.D.

DOB: October 12, 1990 (Mililani, O'ahu, Hawai'i, USA)
Citizenship: United States of America
E-mail: ktaparra@stanford.edu

EDUCATION

| DEGREE | INSTITUTION | DATE | FIELD |
|--------|---|-----------|--|
| | The Kamehameha Schools (O'ahu, HI) Honors Diploma | 2004-2008 | School for Native Hawaiians founded by Princess Pauahi in response to the rapid decline of our Indigenous population. |
| B.S. | Fairfield University (CT, USA) Summa Cum Laude, Phi Beta Kappa | 2008-2012 | Major 1: Biology (Cellular & Molecular) Major 2: Psychology (Behavioral Neuroscience) Minors: Asian studies, Mathematics, Philosophy |
| Ph.D. | Johns Hopkins University School of Medicine (MD, USA) Advisor: Dr. Phuoc Tran M.D., Ph.D. | 2012-2016 | Cellular and Molecular Medicine: Cancer Biology Department of Radiation Oncology and Molecular Radiation Sciences (NIH/NCI NRSA F31) |
| M.D. | Mayo Clinic Alix School of Medicine (MN, USA) | 2016-2020 | Medicine Certification in Science of Health Care Delivery |
| | Gundersen Health System (WI, USA) | 2020-2021 | Transitional Year Residency Program |
| | Stanford Medicine (CA, USA) Department of Radiation Oncology | 2021-2025 | Radiation Therapy Residency Program Postdoctoral Medical Fellow |
| M.P.H. | Hawai'i Pacific University (HI, USA) College of Health and Society | 2023-2024 | Master of Public Health Graduate Merit Scholar |

PHD THESIS

Taparra, K. (June 27, 2016). *Bitter-Sweet Progression: O-GlcNAcylation is required for mutant KRAS-induced lung tumorigenesis* (Doctoral Thesis). Johns Hopkins Sheridan Libraries. (ID 1774.2/60692).

Thesis Committee: Phuoc Tran, MD, PhD, Johns Hopkins, Radiation Oncology and Molecular Radiation Sciences
 Fred Bunz, MD, PhD, Johns Hopkins, Radiation Oncology and Molecular Radiation Sciences
 Dean Felsher, MD, PhD, Stanford University School of Medicine, Medical Oncology and Pathology

MEDICAL LICENSURE

| | |
|------------|--|
| 2023-2025 | Medical Board of California – Physician and Surgeon A (PS 188811) |
| 2021-2023 | Medical Board of California – Postgraduate Training License (PTL 6829) |
| 10/26/2020 | Passed - USMLE Step 3 |
| 7/22/2019 | Passed - USMLE Step 2 Clinical Skills |
| 7/20/2019 | Passed - USMLE Step 2 Clinical Knowledge |
| 5/30/2018 | Passed - USMLE Step 1 |

INTERNATIONAL/NATIONAL/INSTITUTIONAL COMMITTEES AND SERVICES

- 2006-2010 **United States of America Swimming: National Governing Body of Swimming in the USA**
Elected National and State Athlete Representative (2006-2008)
Convention Education Committee, Elected Athlete Representative (2008-2010)
- 2012- **American Association for Cancer Research (AACR) - Associate Member**
Associate Member Council, Elected Council Member (2015-2018)
Elected Chair, Communications Committee (2016-2017)
Co-Chair, Civic Scientist Workshop Professional Advancement Session, 2016 Annual Meeting
Co-Chair, Personalized Career Discussions Professional Advancement Session, 2016 Annual Meeting
Co-Chair, Science Policy Workshop Professional Advancement Session, 2017 Annual Meeting
National Rally for Medical Research Hill Days, Washington, D.C., AMC Representative
Chair, Personalized Career Conversations Professional Advancement Session, 2018 Annual Meeting
Radiation Science and Medicine Working Group (2016-Present)
- 2014-2016 **Johns Hopkins University Biomedical Scholars Association**
Executive Board Member
Community Service and Outreach Officer
Director of the Science, Health, and Research Partnership (SHaRP) Program
- 2014-2016 **Medical Education Resources Initiative for Teens (MERIT) Mentoring Program**
Education Curriculum Development Team
Biomedical Research Strategist for MERIT summer programs
- 2016-2018 **American Medical Association (AMA) Medical Student Section (MSS)**
Committee on Scientific Issues (AMA-MSS CSI), Member (2016-2018)
Research Policy Subcommittee (2016-2017)
AMA Interim Symposium (2017-2018)
- 2016-2020 **Mayo Clinic School of Medicine**
MCSOM Research Committee, Selected Medical Student Representative (2016-2020)
MCSOM LCME Independent Student Analysis (ISA), Task Force Member (2017-2019)
MCSOM Student Organization Funding Task Force, Chair (2018-2019)
MCSOM Medical Specialty Journal Club Program (MSJCP), Founder and Program Director (2016-2020)
- 2020- **Association of Residents in Radiation Oncology (ARRO)**
Equity and Inclusion Subcommittee (EISC), Member (2020-present)
Mentorship Program Subcommittee (2020-present)
- 2021- **Stanford Medicine Graduate Medical Education**
Department Representative (Radiation Oncology), Member
- 2022- **Stanford Cancer Institute**
Inaugural SCI Justice, Equity, Diversity, and Inclusion Committee, Invited Member
- 2023- **National Association of Pasifika Organizations**
Data and Research Council (DaRC), Invited Member
- 2023- **Native Hawaiian and Pacific Islander Health Equity Data Research Consortium**
Trusted Data Scientist Corporation, Invited Member
- 2023 **National Cancer Institute - Division of Cancer, Epidemiology, and Genetics**
Connect for Cancer Prevention Study, Structural & Social Determinants Working Group, Invited Member
- 2023- **Community Advisory Board – University of Rhode Island Doctoral Student**
Substance Use, Suicidal Ideation, and Historical Trauma in Native Hawaiians, Invited Member
- 2023- **World Indigenous Cancer Conference**
Scientific Planning Committee, Invited Member

POST-GRADUATE HONORS/AWARDS

- 2021 Conquer Cancer Merit Award - ASCO Quality Care Symposium
- 2021 American Association for Cancer Research Scholar-In-Training Award
- 2021 European Urology Oncology SoMe Award (Most Influential Article in Issue)
- 2022 American Society of Clinical Oncology (ASCO) Journals Editorial Fellowship
- 2022 Stanford Cancer Institute – Cancer Innovation Award
- 2022 Stanford Health Care Sustainability Grant Award
- 2022 Stanford Cancer Institute – Women Cancer Center’s Innovation Award
- 2023 Stanford Cancer Institute – SCI Fellowship Award (1 of 4 fellows)
- 2023 Hawai’i Pacific University Master of Public Health – Graduate Merit Scholarship Award
- 2023 ASCO Annual Meeting Merit Award – Sponsored by the Association of Northern California Oncologists
- 2023 ASTRO Annual Meeting Travel Award – Clinical Category
- 2023 ASCO Inaugural Dr. Judith and Alan Kaur Endowed Young Investigator Award
- 2023 President Barack Obama Foundation – Inaugural Leaders USA Program Cohort

MEDICAL SCHOOL HONORS/AWARDS

- 2016 Johns Hopkins School of Medicine Graduate Student Association Travel Award
- 2016-2017 ‘Imi Na‘auao Scholarship – Kamehameha Schools Merit Based Medical/Graduate School Scholarship
- 2016-2020 Mayo Clinic School of Medicine 4 Year Full Tuition Merit Scholarship Recipient (1 of 2 students)
- 2017 Mayo Clinic Division of Hematology and Division of Oncology Medical Student Research Award
- 2017 Mayo Clinic School of Medicine Ponce De Leon Scholarship & Jean M. Fox Scholarship Award
- 2017 American Society for Radiation Oncology (ASTRO) Minority Summer Fellowship Award (1 Clinical Fellow)
- 2017 American Heart Association Helen N. & Harold B. Shapira Heart Medical Scholarship (1 recipient)
- 2018 National Medical Fellowships Hugh J. Andersen Memorial Scholarship Award
- 2018 American Society of Hematology (ASH) Minority Medical Student Award Program Award
- 2018 Princess Pauahi Foundation – Kamehameha Schools c/o 1960 Scholarship and c/o 1962 Scholarship Award
- 2018 American Society of Clinical Oncology (ASCO) Conquer Cancer Foundation Medical Student Rotation Award
- 2019 National Medical Fellowships National Alumni Council Scholarship Award
- 2019 American Society of Hematology Annual Meeting Abstract Achievement Award
- 2019 Mayo Clinic Hematology/Oncology Medical Student Research Travel Award and Scholarship

GRADUATE SCHOOL HONORS/AWARDS

- 2014 Cold Spring Harbor Laboratories: Models and Mechanisms of Cancer Graduate Student Travel Award
- 2014 NIH NCI F31 Predoctoral Fellowship National Research Service Award (NRSA) - F31CA189588
- 2015 Johns Hopkins Alumni Association Student Grant Awardee - Science Health and Research Partnership
- 2015 American Association for Cancer Research Minority Scholar in Cancer Research Award
- 2015 National Thermo Pierce Biotechnology Fisher Scientific Scholarship Award
- 2015 Johns Hopkins University/Hospital/Health System Martin Luther King, Jr. Award for Community Service
- 2016 1st Place Johns Hopkins Radiation Oncology and Molecular Radiation Sciences Scientific Presentation Award
- 2016 American Association for Cancer Research-Takeda Oncology Scholar in Training Award

UNDERGRADUATE HONORS/AWARDS

- 2008 USA Swimming National Scholastic All American Award
- 2008 Theodore Vierra Computer Science Scholarship Award
- 2008 Hawai'i Rotary Youth Foundation Scholarship Award
- 2008 Fairfield University Christopher Blake Love Minority Student Academic Achievement Award
- 2009 Gladys Brooks Prize (Highest Institution Scholarship in Asian Studies)
- 2011 Fairfield University *Cura Personalis* Mentor of the Year Award
- 2009-2012 Fairfield University Magis Scholar (Highest Institution Academic Scholarship)
- 2012 Asian Studies Departmental Achievement Award (Highest Department Honor)
- 2012 Biology Departmental Achievement Award (Highest Department Honor Awarded to 1 Student)
- 2012 Valedictorian/Commencement Speaker Fairfield University Class of 2012

SELECT EMPLOYMENT HISTORY

Takeda Cambridge (Millennium: The Takeda Oncology Company) - Global Medical Affairs (Boston, MA) 2012

Worked with graphic design team and physicians to generate of Orteronel (TAK-700) drug MOA education material
 Collaborated with PhD Scientists and physicians to analyze and contribute edits to scientific manuscripts
 Gained basic understanding of PK/PD, translational medicine, clinical trials, cancer-related endocrinology, drug MOA

ACADEMIC HONOR SOCIETY AFFILIATIONS

- 2009 Alpha Mu Gamma, National Foreign Language Honor Society, Freshman Inductee
- 2011 Phi Beta Kappa, Zeta Chapter of Connecticut, National Honor Society, Junior Inductee
- 2012 Sigma Xi, The Scientific Research Honor Society
- 2012 Psi Chi, International Psychology Honor Society
- 2012 Phi Sigma Tau, International Philosophy Honor Society
- 2012 Alpha Sigma Nu, National Jesuit Academic Honor Society

BOOK CHAPTERS

1. Freeze H, Schachter H, Kinoshita T. (2017). [Chapter 45: Genetic Disorders of Glycosylation](#). In *Essentials of Glycobiology, Third Edition*. Cold Spring Harbor, NY: Cold Spring Harbor Laboratory Press. (Chapter Reviewer).
2. Hascall V, Esko JD. (2017). [Chapter 16: Hyaluronan](#). In *Essentials of Glycobiology, Third Edition*. Cold Spring Harbor, NY: Cold Spring Harbor Laboratory Press. (Chapter Reviewer).
3. **Taparra K**, Tran PT. (2018). [Chapter 7: Cancer Therapeutic Strategies and Treatment Resistance](#). In *Principles of Clinical Cancer Research* (p. 108-126). Mell LK, Tran PT, Yu JB, Zhang QE ed, New York, NY: Demos Medical Publishing.
4. **Taparra K** and Deville C. Chapter 26: Native Hawaiian and Other Pacific Islanders. In *Physician Workforce Diversity: Current and Historical Trends*. Springer Publishing. [In Review].
5. Benavente R, Gimmen MY, Roberto L, **Taparra K**. Chapter 8.8: Oncology Clinical Trials and Indigenous NHPI Erasure. In *Indigenous and Tribal Peoples and Cancer*. Springer Publishing. [In Review].
6. Gimmen MY, Benavente R, Roberto L, **Taparra K**. Chapter 4.13: Indigenous Data Aggregation Perpetuates Structural Racism. In *Indigenous and Tribal Peoples and Cancer*. Springer Publishing. [In Review].

SCIENTIFIC JOURNAL PEER REVIEWER

- 2020- *Advances in Radiation Oncology*
 2021- *The Oncologist*
 2022- *The Hawai'i Journal of Health and Social Welfare*
 2022- *Cancer Causes & Controls*
 2022- *Cancers*
 Invited Guest Editor of Special Issue on "[Advances in Cancer Disparities](#)"
 2022- *Online Medical Education*
 2022- *Journal of Clinical Oncology – Oncology Practice* (2022-2023 Top Reviewer)
 ASCO Journals Editorial Fellowship – Selected to participate in a 1-year program to gain experience with the editorial process under the mentorship of editors from ASCO journals. The fellowship program activities include completing a training course for manuscript reviews, review of assigned manuscript submissions, participation at editorial meetings for ASCO journals, and completion of a final project related to the editorial experience.
 2022- *Cancer Epidemiology, Biomarkers, & Prevention*
 2023- *Journal of Clinical Oncology*
 2023- *Climate and Development*
 2023- *Journal of the American Academy of Dermatology*
 2023- *International Journal of Radiation Oncology, Biology, and Physics*

PROFESSIONAL SOCIETY MEMBERSHIP

- | | | |
|--------------|--------------|--|
| 2012-Present | ID# 264966 | American Association for Cancer Research |
| 2013-Present | ID# 303252 | American Society of Clinical Oncology |
| 2014-Present | ID#135244289 | American Society for Radiation Oncology |
| 2018-Present | ID#1532148 | American Society of Hematology |

RESEARCH POSITIONS

- 2009 Research Associate, University of Hawai'i Mānoa Institute for Biogenesis Research, Dr. Tom Humphreys
 2010 Research Assistant, University of Hawai'i Hilo, Life Sciences, Dr. David Montgomerie
 2010 Research Student, Genetics, Fairfield University Department of Biology, Dr. Anita Fernandez
 2011-2012 Research Student, Breast Cancer, Fairfield University Department of Biology, Dr. Shelley Phelan
 2012 Millennium: The Takeda Oncology Company (Takeda Cambridge), Global Medical Affairs, Dr. Tom Giove
 2012 Ph.D. Student Research Rotation, Breast Cancer Genetics, Dr. Sara Sukumar
 2013 Ph.D. Student Research Rotation, Prostate Cancer Epigenetics, Dr. William Nelson
 2013-2016 Ph.D. Graduate Student, Radiation Oncology and Molecular Radiation Sciences, Dr. Phuoc Tran (Advisor)
 2016 Medical Student Research, Dept. of Epidemiology, Minority Health Perceptions, Dr. Alexandra Greenberg
 2017-2020 Medical Student Research, Dept. of Radiation Oncology, Dr. Nadia Laack
 2017-2020 Medical Student Research, Dept. of Hematology and Oncology, Dr. Stephen Ansell
 2018-2020 Medical Student Research, Dept. of Radiation Oncology, Dr. Bradley Stish
 2020-2021 Mayo Clinic Research Collaborator, Dept. of Radiation Oncology, Drs. Bradley Stish and Kimberly Corbin
 2020-2021 Gundersen Health System Cancer Center Research Resident, Transitional Year Residency Program
 2022-2025 Stanford Medicine, Dept. of Radiation Oncology, Postdoctoral Fellow, Dr. Quynh-Thu Le and Erqi Pollom
 2023-2025 Stanford Medicine, Dept. of Medical Oncology, Health Services Researcher, Dr. Manali Patel

PEER REVIEWED SCIENTIFIC PUBLICATIONS

1. Humphreys T, Sasaki A, Uenishi G, **Taparra K**, Arimoto A, Tagawa, K. Regeneration in the Hemichordate, *Ptychodera flava*. ***Zoological Science*** 2010 Feb;27(2):91-95. PMID: 20141413.
2. Wild AT, Gandhi N, Chettiar ST, Aziz K, Gajula RP, Williams RD, Kumar R, **Taparra K**, Zeng J, Cades JA, Velarde E, Menon S, Geschwind JF, Cosgrove D, Pawlik TM, Maitra A, Wong J, Hales RK, Torbenson MS, Herman JM, Tran PT. Concurrent versus sequential sorafenib therapy in combination with radiation for hepatocellular carcinoma. ***PLoS ONE*** 2013 Jun 6;8(6). PMID: 23762417.
3. Tehan L, **Taparra K**, Phelan S. Peroxiredoxin overexpression in MCF-7 breast cancer cells and regulation by cell proliferation and oxidative stress. ***Cancer Investigation*** 2013 Jul;31(6):374-84. PMID: 23758190.
4. McDonald C, Muhlbauer J, Perlmutter G, **Taparra K**, Phelan SA. Peroxiredoxin proteins protect MCF-7 breast cancer cells from doxorubicin-induced toxicity. ***International Journal of Oncology*** 2014 Jul;45(1):219-26. PMID: 24789097.
5. Gajula RP, Chettiar ST, Williams RD, Nugent K, Kato Y, Wang H, Malek R, **Taparra K**, Cades J, Annadanam A, Yoon AR, Fertig E, Firulli BA, Mazzacurati L, Burns TF, Firulli AB, An SS, Tran PT. Structure-function studies of the bHLH phosphorylation domain of TWIST1 in prostate cancer cells. ***Neoplasia*** 2015 Jan;17(1):16-31. PMID: 25622896.
6. Chettiar ST, Malek R, Annadanam A, Nugent KM, Kato Y, Wang H, Cades JA, **Taparra K**, Belcaid Z, Ballew M, Manmiller S, Proia D, Lim M, Anders RA, Herman JM, Tran PT. Ganetespib radiosensitization for liver cancer therapy. ***Cancer Biology and Therapy*** 2016 Apr 2;17(4):457-66. PMID: 26980196.
7. **Taparra K**, Tran PT, Zachara NE. Hijacking the Hexosamine Biosynthetic Pathway to Promote EMT-Mediated Neoplastic Phenotypes. ***Frontiers in Oncology*** 2016 Apr 18;6(85). PMID: 26980196.
8. Malek R, Wang H, **Taparra K**, Tran PT. Therapeutic Targeting of Epithelial Plasticity Programs: Focus on the Epithelial-Mesenchymal Transition. ***Cells Tissues Organs*** 2017 Feb;2(203): 114-127. PMID: 28214899.
9. Malek R, Gajula R, Williams R, Nghiem B, Simons B, Nugent K, Wang H, **Taparra K**, Lemtiri-Chlieh G, Yoon A, True L, An S, DeWeese TL, Ross AE, Schaeffer EM, Pienta KJ, Hurley PJ, Morrissey C, Tran PT. TWIST1-WDR5-Hottip regulates Hoxa9 chromatin to facilitate prostate cancer metastasis. ***Cancer Research*** 2017 May 8; 77(12):3181-3193. PMID: 28484075.
10. **Taparra K***, Wang H*, Malek R*, Barbhuiya MA, Simons BW, Ballew M, Nugent KM, Groves J, Williams JD, Shiraishi T, Verdone J, Yildirim G, Henry R, Zhang B, Wong J, Wang K, Nelkin BD, Pienta KJ, Felsher D, Zachara NE, Tran PT. O-GlcNAcylation is required for mutant KRAS-induced lung tumorigenesis. ***J Clinical Investigation*** 2018 Nov 1; 128(11):4924-4937. PMID: 30130254.
*These Authors Contributed Equally
[FEATURED IN *Cancer Research: Highlights from Recent Cancer Literature*, 78(21):6029-6030, Nov. 2018.]
11. **Taparra K**, Liu H, Polley MY, Ristow K, Habermann T, Ansell S. Bleomycin Use in the Treatment of Hodgkin Lymphoma (HL): Toxicity and Outcomes in the Modern Era. ***Leukemia and Lymphoma*** 2019 Sep; 13:1-11. PMID: 31517559.
[ASH MINORITY MEDICAL STUDENT AWARD PROGRAM SCHOLAR]
12. Lightner AL, McKenna NP, Alsughayer A, Harmsen WS, **Taparra K**, Parker M, Raffals LE, Loftus EV. Biologics and 30-Day Postoperative Complications Following Abdominal Operations for Crohn's disease: Are there differences in the safety profiles? ***Diseases of the Colon and Rectum*** 2019 Nov; 62(11):1352-1362. PMID: 31567927.
13. Lester SC, **Taparra K**, Funk RK, Blanchard MJ, Young P, Hermann J, Hunzeker A, Shultz H, McCollough C, Tasson A, Leng S, Martenson JA, Deisher A, Whitaker TJ, Williamson E, Laack NN. Electrocardiogram-gated Computed Tomography with Coronary Angiography for Cardiac Substructure Delineation and Sparing in Patients with Mediastinal Lymphomas Treated with Radiotherapy. ***Practical Radiation Oncology*** 2019 Nov; S1879-8500 (19):30325. PMID: 31783172.

14. Chowdhary M*, **Taparra K***, Bates J, Royce T. Radiation Oncology Application and Match Patterns, Pre- and Post-SOAP (Supplemental Offer and Acceptance Program) from 2012 to 2020. **Practical Radiation Oncology**. 2020 Nov 4. PMID: 33158778.
*These Authors Contributed Equally
15. Deek M*, **Taparra K***, Phillips R, Isaacsson Velho P, Gao RW, Deville C, Song DY, Greco S, Carducci M, Eisenberger M, DeWeese TL, Denmeade S, Pienta K, Paller CJ, Antonarakis ES, Olivier KR, Park SS, Tran PT, Stish BJ. Metastasis-directed Therapy Prolongs Efficacy of Systemic Therapy and Improves Clinical Outcomes in Oligoprogressive Castration-resistant Prostate Cancer. **European Urology Oncology** 2020 Jun 11; S2588-9311(20)30058-4. PMID: 32536574.
*These Authors Contributed Equally
16. **Taparra K**, Lester SC, Hunzeker A, Funk RK, Blanchard MJ, Young P, Herrmann J, Tasson A, Leng S, Martenson JA, Whitaker TJ, Williamson E, Laack NN. Reducing Heart Dose with Protons and Cardiac Substructure Sparing for Mediastinal Lymphoma Treatment. **International Journal of Particle Therapy** 2020 Sep 4; 4;7(1):1-12. PMID: 33094130.
[ASTRO MINORITY SUMMER CLINICAL FELLOWSHIP AWARD]
17. Deek M*, **Taparra K***, Dao D, Chan L, Phillips R, Gao RW, Kwon E, Deville C, Song DY, Greco S, Carducci M, Eisenberger M, DeWeese TL, Denmeade S, Pienta K, Paller CJ, Antonarakis ES, Olivier KR, Park SS, Stish BJ, Tran PT. Patterns of Recurrence and Modes of Progression Following Metastasis Directed Therapy in Oligometastatic Castration Sensitive Prostate Cancer. **International Journal of Radiation Oncology Biology Physics** 2020 Aug 10; S0360-3016(20)34120-1. PMID: 32798608.
*These Authors Contributed Equally
[EUROPEAN UROLOGY ONCOLOGY #SOME AWARD FOR ISSUE'S "MOST INFLUENTIAL ARTICLE"]
18. Ebner DK*, **Taparra K***, Olivier KR. The Game Continues: Seeking Clarity in the Radiation Oncology Match. **Advances in Radiation Oncology** 2020 Nov 22; 6 (2), 100627. PMID: 33851062.
*These Authors Contributed Equally
19. Chaurasia AR, Bhatia B, LeCompte MC, **Taparra K**, Franco I, Garda A, Li B, Pereira IJ. Health Disparities in Radiation Oncology: Our Call to Action. **Applied Radiation Oncology** 2020 Dec 24; 9(4)6-8.
20. **Taparra K**, Miller RC, Deville C. Navigating Native Hawaiian and Pacific Islander Cancer Disparities from a Cultural and Historical Perspective. **Journal of Clinical Oncology - Oncology Practice** 2021 Jan 6; (3):130-134. PMID: 33497251.
[FEATURED ARTICLE AND COVER OF CANCER DISPARITIES ISSUE]
21. **Taparra K**. Pacific Islanders Searching for Inclusion in Medicine. **JAMA Health Forum [Insights]**. 2021 Feb 24. 2 (2), e210153-e210153. PMID: 36218798.
22. **Taparra K**, Ebner D, De La Cruz D, Holliday EB. Away Rotations, Interviews, and Rank Lists: Radiation Oncology Residency Applicant Perspectives on the 2020 Match Process. **Advances in Radiation Oncology** 2021 Apr 4; 6(4):100696. PMID: 34113741.
23. Blitzer GC, Harari PM, Kahn JM, Fields EC, Rosenberg SA, Buatti JM, Stahl JM, McDonald AM, **Taparra K**, Laucis AM, Parekh AD, Mayhew DL, Brower JV. Why Increasing Numbers of Unmatched Residency Positions in Radiation Oncology? A Survey of 4th Year Medical Students. **Advances in Radiation Oncology** 2021 June 24; 6(5):100743. PMID: 34466713.
24. **Taparra K**, Deville C. A Cross-Sectional Study of Pacific Islander Representation among United States Allopathic Medical Schools, Residency Programs, and Faculty Physicians. **JAMA Network Open** 2021 Sep 1; 4(9):e2125051. PMID: 34542620.
25. **Taparra K**, Fitzsimmons A, Frankki S, De Wall A, Chino F, Peters A. Healthcare Costs for Adolescent and Young Adults with Cancer: A Community-Based Hospital Study between 2005-2020. **Supportive Care in Cancer** 2021 Sep 26; 30(2):1703-1713. PMID: 34564776.

26. [Taparra K](#), Fukui J, Killeen J, Sumida K, Loo LMW, Hernandez BY. Racial/Ethnic Disparities in rates of Invasive Secondary Breast Cancer among women with Ductal Carcinoma In Situ in Hawai'i. [JAMA Network Open](#) 2021 Oct 1. PMID: 34668945. **[FEATURED IN New England Journal of Medicine Watch, Nov 2021]**
27. Jain B, Ng Kenrick, Santos PMG, [Taparra K](#), Muralidhar V, Mahal BA, Vapiwala N, Trinh QD, Nguyen PL, Dee EC. Prostate Cancer Disparities in Risk Group at Presentation and Access to Treatment for Asian Americans, Native Hawaiians, and Pacific Islanders: A Study with Disaggregated Ethnic Groups. [Journal of Clinical Oncology – Oncology Practice](#) 2021 Oct 28; 4(10):e2128977. PMID: 34709962.
28. [Taparra K](#), Ebner D, De La Cruz D, Holliday EB. The Impact of COVID-19 on Radiation Oncology Residency Applicant Away Rotations, Interviews, and Rank Lists: A Comparison Between the 2020 Match and 2021 Match. [Advances in Radiation Oncology](#) 2021 Oct 29. PMID 34729444.
29. [Taparra K](#), Harding M, Deville C. Healing and Health Equity for Asian American, Native Hawaiian, and Pacific Islander Populations. [JAMA](#) 2021 Dec 21; 7(1):100842. PMID: 34932087.
30. Humphreys T, Weiser K, Arimoto A, Sasaki Akane, Uenishi G, Fujimoto B, Kawashima T, [Taparra K](#), Molnar J, Satoh N, Marikawa Y, Tagawa K. Ancestral Stem Cell Reprogramming Genes Active in Hemichordate Regeneration. [Frontiers in Ecology and Evolution](#) 2022 Feb 15. DOI: 10.3389/fevo.2022.769433.
31. [Taparra K](#), Dee EC, Dao D, Patel R, Santos P, Chino F. Disaggregation of Asian American and Pacific Islander Women With Stage 0-II Breast Cancer Unmasks Disparities in Survival and Surgery-to-Radiation Intervals: A National Cancer Database Analysis From 2004 to 2017. [Journal of Clinical Oncology – Oncology Practice](#) 2022 May 20; 18(8):e1255-e1264. PMID: 35594493.
32. [Taparra K](#), Pellegrin K. Data aggregation hides Pacific Islander health disparities. [The Lancet](#) 2022 June 16; 400(10345):2-3. PMID: 35717993. **[INVITED EDITORIAL]**.
33. Patel MI, Wood EH, Charlot M, Florez N, Duron Y, Jeames SE, [Taparra K](#), Velazquez Manana A, Jain S. Do no harm: A call to action on COVID-19 and mask requirements. [Cancer](#) 2022 Aug 1; 128(19):3438-3440. PMID: 35913498.
34. [Taparra K](#), Que V, Pollom E. Disparities in Survival and Comorbidity Burden Between Asian and Native Hawaiian and Other Pacific Islander Patients With Cancer. [JAMA Network Open](#) 2022 Aug 1; 5(8):e2226327. PMID: 35960520.
35. Frechette KM, Lester SC, [Taparra K](#), Breen WG, Martenson JA, Hoppe BS, Peterson JL, Rule WG, Stafford SL, Stish BJ, Habermann TM, Young JR, Harmsen WS, Laack NN. Outcomes of patients with stage I-II Hodgkin lymphoma who had uniform pre-treatment staging with PET/CT and treatment with limited field radiation therapy after chemotherapy. [Blood Cancer J](#). 2022 Aug 22; 12(8):121. PMID: 35995767.
36. [Taparra K](#), Egan A, Kanagusuku L. Mental Health and Substance Use Among US Homeless Adolescence. [JAMA](#). 2022 Sep 6; 328(9):889-890. PMID: 36066525.
37. AJ Calac, [Taparra K](#). Attrition of Indigenous Medical Students Requires Swift Institutional Response. [JAMA Internal Medicine](#). 2022 Oct 31; 182(12):1330. PMID: 36315122.
38. Wang X, Raman N, Lemtiri-Chlieh G, Chang J, Jagtap S, Chowdhury D, Ballew M, Carrieri FA, Nguyen T, Nugent K, Peck T, Levine MS, Chan A, Lam C, Malek R, Hoang T, Phillips R, Cheng Z, [Taparra K](#), Connis N, Hann CL, Holland A, Tran PT, Wang H. Griseofulvin Radiosensitizes Non-Small Cell Lung Cancer Cells and Activates cGAS. [Molecular Cancer Therapeutics](#). 2023 Feb 7; 22(4):519-528. PMID: 36752776.
39. [Taparra K](#), Qu V, Lau B, Pollom E. A National Cancer Disparities Analysis of Predictors for Radiation Therapy Refusal by Race. [Int J Radiat Oncol Biol Phys](#). 2023 Feb 8; 116(1):96-102. PMID: 36764491.
40. Germino EA, Saripalli AL, [Taparra K](#), Rattani A, Pointer KB, Singh SA, Musunuru HB, Shukla UC, Vidal G, Pereira IJ, Williams VM, Elmore SNC, Franco I, Chaurasia AR, Rivera A. Tailored Mentorship for the Underrepresented and Allies in Radiation Oncology: The Association of Residents in Radiation Oncology Equity and Inclusion Subcommittee Mentorship Experience. [Int J Radiat Oncol Bio Phys](#). 2023 Feb 12; 116(2):368-374. PMID: 36787853.

41. Shing JZ, Corbin J, Kreimer AR, Carvajal LJ, **Taparra K**, Shiels MS, Vo JB. HPV-Associated Cancer Incidence by Disaggregated Asian American, Native Hawaiian, and Other Pacific Islander Ethnicity. **JNCI Cancer Spectrum**. 2023 Mar 1; 7(2):pkad012. PMID: 36790075.
42. Pineda E, Benavente R, Gimmen MY, DeVille NV, **Taparra K**. Cancer Disparities among Pacific Islanders: A Review of Sociocultural Determinants of Health in the Micronesian Region. **Cancers**. 2023 Feb 22; 15(5):1392. PMID: 36900185.
[CANCERS MOST VIEWED PAPERS IN 2023 “CANCER SURVIVORSHIP AND QUALITY OF LIFE”]
43. Baniel CC, Qu V, Ponce SB, **Taparra K**, Beadle B, Currey A, Lichter KE, Frank J, Bagshaw H, Soltys S, Pollom E. SUPPORT: SURvey of Parental Leave POLicies of RadiaTion Oncology Programs and Residency Applicants. **Adv Radiat Oncol**. 2023 Mar 1;8(4):101207. PMID: 37124316.
44. Haque AT, Berrington de González A, Chen Y, Haozous EA, Inoue-Choi M, Lawrence WR, McGee-Avila JK, Nápoles AM, Pérez-Stable EJ, **Taparra K**, Vo JB, Freedman ND, Shiels MS. Cancer mortality rates by racial/ethnic groups in the United States, 2018-2020. **J Natl Cancer Inst**. 2023 Apr 19. PMID: 37074947.
45. **Taparra K**, Ing BI, Ewongwo A, Vo JB, Shing JZ, Gimmen MY, Keli'i KMK, Uilelea J, Pollom E, Kidd E. Racial Disparities in Brachytherapy Treatment among Women with Cervical and Endometrial Cancer in the United States. **Cancers**. 2023 Apr 30. PMID 37174037.
46. Kinslow CJ, Mercurio A, Kumar P, Rae AI, Siegelin MD, Grinband J, **Taparra K**, Upadhyayula PS, McKhann GM, Sisti MB, Bruce JN, Canoll PD, Iwamoto FM, Kachnic LA, Yu JB, Cheng SK, Wang TJC. Association of MGMT Promoter Methylation With Survival in Low-grade and Anaplastic Gliomas After Alkylating Chemotherapy. **JAMA Onc**. 2023 May 18. PMID: 37200021.
47. Lau B, Tominez P, Shing JZ, Jacqueline BV, Pollom E, **Taparra K**. Racial Disparities among Asian American, Native Hawaiian, and Other Pacific Islander Patients with Cancer Who Refuse Recommended Radiation Therapy or Surgery. **Cancers**. 2023 Jun 26. PMID: 37444468.
48. Dinh BL, Tang E, **Taparra K**, Nakatsuka N, Chen F, Chiang CWK. Recombination map tailored to Native Hawaiians reduces false positive findings in genomic scans of positive selection. **bioRxiv**. 2023 Jul 14. PMID: 37503129.
49. Huang AE, Shih J, Sunwoo JB, Pollom EL, **Taparra K**. Racial Disparities in 30-Day Readmissions after Surgery for Head and Neck Cancer. **Laryngoscope**. 2023 Aug 23. PMID: 37610178.
50. Kinslow C, Rae A, **Taparra K**, Kumar P, Siegelin M, Grinband J, Gil BI, McKhann G, Sisti M, Bruce J, Canoll P, Iwamoto F, Horowitz D, Kachnic L, Neugut A, Yu J, Cheng S, Wang T. MGMT promoter methylation predicts overall survival after chemotherapy for 1p/19q-codeleted gliomas. **Clinical Cancer Research**. 2023 Aug 23:CCR-23-1295. PMID: 37611077.
51. Zhang V, Taparra K, Fisher G, Aparici C, Soltys S. Definitive Treatment of Brain Metastases From a Neuroendocrine Tumor With Peptide Receptor Radionuclide Therapy With 177Lutetium DOTATATE: A Case Report. **Cureus**. 2023 Sep 15. PMID: 37849592.
52. Akimoto K, **Taparra K**, Brown T, Patel M. “Diversity in Cancer Care: Current Challenges and Potential Solutions to Achieving Equity in Clinical Trial Participation”. **The Cancer Journal**. [Accepted 2023 Aug].
53. **Taparra K**, Apana NK, DeVille NV. “Contextualizing Depression in Pacific Islander Sexual Gender Minority Youth: Acknowledging Location, History, and Culture” **JAMA Pediatrics**. [Accepted 2023 Aug].
54. **Taparra K**, Purdy M, Raphael K. “From Ashes to Action - Indigenous Health Perspectives on the Lāhainā Fires”. **NEJM**. 2023 Sep 20. PMID: 37733295.
[INVITED NEW ENGLAND JOURNAL OF MEDICINE INTERVIEW]
55. Benavente R, Gimmen MY, **Taparra K**. “Economic burden of US racial, ethnic, and educational health inequities.” **JAMA**. 2023 Sep 26;330(12):1190-1191. PMID: 37750886.

INVITED SPEAKER ON NATIVE HAWAIIAN AND OTHER PACIFIC ISLANDER HEALTH DISPARITIES

1. Asian Pacific Partners for Empowerment, Advocacy and Leadership (APPEAL) National Conference. “Plenary: Panel of Cancer and Health Equity on Systems Change. Moving Upstream: Advancing Equity in Cancer.” September 23, 2021.
2. Asian Pacific American Medical Student Association (APAMSA) National Conference. “Native Hawaiian and Other Pacific Islander Health Disparities”. December 18, 2021.
3. Allen Institute Diversity, Equity, Inclusion, and Belonging Office. Invited Seminar Lecturer. “Reviving the Castaways: A Primer on Pacific Islander Health”. May 15, 2022.
4. Papa Ola Lōkahi Monthly Seminar. “Navigating the Past, Present, & Future Health of Pacific Islanders”. May 31, 2022.
5. NIH/NCI Fellow’s Cancer Health Disparities Interest Group. Invited Seminar Lecturer. “Pacific Islander Health: Past, Present, and Future”. July 6, 2022.
6. Stanford School of Medicine Leadership in Health Disparities Journal Club. Invited Faculty Facilitator. Palo Alto, CA. “Disaggregation of Asian American and Pacific Islander Unmasks Disparities in Survival and Surgery-to-Radiation Intervals”. July 27, 2022.
7. Mayo Clinic School of Continuous Professional Development: Pathways to Physician and Physician Scientist Diversity: A National Summit 2022. Phoenix, AZ. “Voices of Our Future Physicians and Physician Scientists: Reflections Along the Pathway to Success”. October 7-8, 2022.
8. Stanford University School of Medicine. Practice of Medicine. “Combating Structural Racism in Data to Achieve Health Equity For Pacific Islanders” February 3, 2023.
9. UCLA David Geffen School of Medicine Radiation Oncology Chair’s Course: EDI Series. “Combating Structural Racism in Data to Achieve Health Equity for Pacific Islanders.” March 10, 2023.
10. Harvard University. “Health Disparities: The Intersection of Medicine and Culture in Native Hawaiian Communities.” March 25, 2023.
11. US FDA Conversations on Cancer. “Advancing a More Equal Future for AA & NHPI Patients with Cancer”. March 28, 2023.
12. Stanford Health Care - Center for Asian Health Research and Education: Monthly Health Talk Series (Stanford Health Library). “Combating Structural Racism in Health Data to Achieve Health Equity Among Native Hawaiians and Pacific Islanders”. March 28, 2023.
13. Stanford Health Care – Center for Asian Health Research and Education. Invited Lecturer. “Asian Americans, Native Hawaiians, and Other Pacific Islander Populations’ (AANHPI) Contributions to Healthcare: Learn about the Career Journey of Stanford Medicine AANHPI Leaders”. May 15, 2023.
14. Hawai’i State Department of Health – ‘Ohana Center of Excellence. “The Importance of Disaggregated Asian American, Native Hawaiian, and Pacific Islander Race/Ethnicity Data”. July 25, 2023.
15. Stanford School of Medicine Leadership in Health Disparities Journal Club. Invited Faculty Facilitator. Palo Alto, CA. “Predictors for Radiation Therapy Refusal by Race: A National Cancer Disparities Analysis”. August 2, 2023.
16. UCLA School of Medicine - Community Health Sciences (COM HLT) M140. “Combating Structural Racism in Health Data to Achieve Health Equity Among Native Hawaiians and Other Pacific Islanders.” September 4, 2023.
17. UCSF School of Medicine – Native Health Elective. “Combatting Indigenous Erasure Through Pacific Islander Data Inclusion.” September 14, 2023.
18. Stanford Cancer Institute Comprehensive Cancer Research Training Program – Junior Faculty Panel. September 20, 2023.

19. Stanford University School of Medicine. Practice of Medicine. “Combating Structural Racism in Data to Achieve Health Equity For Pacific Islanders.” October 23, 2023.
20. Pasifika Grand Rounds. “Structural Racism in Native Hawaiian Pacific Islander (NHPI) Oncology Data.” October 24, 2023.

INVITED GRAND ROUNDS SPEAKER AND VISITING PROFESSORSHIPS

1. Fairfield University. Donald J. Ross Sr. Biology Lecture Series. “Elucidating the Bitter-Sweet Progression of Lung Cancer.” January 25, 2017.
2. UT MD Anderson Cancer Center. Radiation Oncology Grand Rounds. “Navigating Native Hawaiian and Other Pacific Islander Health: Past, Present, & Future”. May 12, 2023.

INVITED SPEAKER ON CLIMATE HEALTH AND WATER SUSTAINABILITY IN HEALTHCARE

1. SEED Grant Recipient Report Out. “Quantifying, Modeling, and Optimizing Water Use For Stanford Health Care and Patients with Cancer”. April 20, 2023.
2. Radiation Oncology Residency Program Didactics. “The Importance of Water Sustainability in Radiation Oncology and Healthcare” April 26, 2023.
3. SEED Grant Committee Report Out. “Quantifying, Modeling, and Optimizing Water Use For Stanford Health Care and Patients with Cancer”. July 25, 2023.
4. ASTRO Annual Meeting 2023. San Diego, CA. “Delivering Equitable and Sustainable Oncologic Care in a Changing Environment – Identifying Opportunities to Reduce, Reuse, Recycle”. October 2, 2023.

INVITED SPEAKER AT NATIONAL ACADEMIC CONFERENCES

1. ASTRO Annual Meeting 2021. Chicago, IL “Centering on Equity: Reflecting on Unconscious Bias, Dominant Culture and Privilege” October 22, 2021.
2. ASTRO Annual Meeting 2021. Chicago, IL “Creating Equitable and Inclusive Spaces for Black, Indigenous, and Latinx Trainees, Residents, and Faculty: Opportunities and Pathways” October 25, 2021.

PEER REVIEWED ORAL PRESENTATION ABSTRACTS AT SCIENTIFIC MEETINGS

1. **Taparra K.** Johns Hopkins University, Molecular Radiation Sciences Seminar (October 3, 2013). “Elucidating the Mechanisms of Twist1-Induced Sorafenib Resistance in Hepatocellular Carcinoma.”
2. **Taparra K.** Johns Hopkins University School of Medicine, Radiation Oncology and Molecular Radiation Sciences Annual Meeting (October 8, 2013). “*Snai1* Collaborates with *Kras* to Promote Accelerated Lung Tumorigenesis.”
3. **Taparra K.** Johns Hopkins University School of Medicine, Molecular Radiation Sciences Seminar (March 20, 2014). “Elucidating the Mechanisms of SNAI1 Accelerated Lung Tumorigenesis.”
4. **Taparra K.** Johns Hopkins University School of Medicine, Brady Urology Interdisciplinary Meeting (June 17, 2014). “SNAI1 Accelerates Mutant KRAS Lung Tumorigenesis in a Novel Mouse Model.”
5. **Taparra K.** Johns Hopkins University School of Medicine, Molecular Radiation Sciences Seminar (December 5, 2014). “SNAI1’s Sweet Spot: Identifying Mechanisms that Accelerate Mutant KRAS Lung Tumorigenesis in a Novel Mouse Model.”
6. Walker A, Nirschle C, Nugent K, Nirschle T, Harris T, Wang H, Sharabi A, Velerde E, Malek R, Williams R, Cades J, **Taparra K**, Gajula R, Herman J, Wong J, Hales R, Drake C, Tran PT. 56th American Society for Radiation Oncology Annual Meeting (September 1, 2014). San Francisco, CA. “Combining checkpoint blockade with radiation therapy results in tumor and immunological responses in an autochthonous mouse model of lung cancer”.
7. **Taparra K.** Johns Hopkins University School of Medicine, Molecular Radiation Sciences Seminar (May 15, 2015). “Targeting SNAI1’s Sweet Spot: Identifying Mechanisms that Accelerate Mutant KRAS Lung Tumorigenesis in a Novel Mouse Model.”
8. **Taparra K.** Johns Hopkins University School of Medicine, Radiation Oncology and Molecular Radiation Sciences Annual Meeting (February 27, 2016). “Bitter Sweet Progression: O-GlcNAcylation is Required for KRAS-Driven Lung Tumorigenesis.”
[1ST PLACE SCIENTIFIC PRESENTATION AWARD]
9. **Taparra K,** Wang H, Malek R, Nugent K, Groves J, Yildirim G, Simons B, Felsher D, Zachara N, Tran PT. American Society for Radiation Oncology Annual Meeting 2016. (September 26, 2016). Boston, MA. “SNAI1 Regulates the Hexosamine Biosynthesis Pathway to Promote Kras Mutant Lung Tumorigenesis.”
10. Lester SC, **Taparra K,** Hunzeker A, Funk RK, Blanchard MJ, Tasson A, Martenson JA, Whitaker TJ, Laack NN. Particle Therapy Co-operative Group 2018 (May 21, 2018). Cincinnati, OH. “Integration of Electrocardiogram-gated Computed Tomography with Coronary Angiography (E-CTA) and Pencil Beam Scanning Proton Therapy for the Treatment of Mediastinal Lymphomas.”
11. Lester SC, **Taparra K,** Routman DM, Matthew MJ, Ansell S, Feldman AL, Link BK, Stish BJ, Martenson JA, Slager SL, Stafford SL, Habermann TM, Cerhan. JR. American Society for Radiation Oncology Annual Meeting 2018 (October 22, 2018). San Antonio, TX. “Exploring Host Germline Genetics to Help Identify Patients with Early Stage Lymphoma Who Might Benefit from the Addition of Radiotherapy.”
12. **Taparra K,** Lester SC, Hunzeker A, Funk RK, Blanchard MJ, Young P, Herrmann J, Tasson A, Leng S, Martenson JA, Whitaker TJ, Williamson E, Laack NN. Oral Session: Hematologic 2 - Translating Better Technology to Reduced Toxicity. American Society for Radiation Oncology Annual Meeting 2018 (October 22, 2018). San Antonio, TX. “A Comparison of Proton and X-Ray Therapy for Coronary Artery Sparing using ECG-gated CT with Coronary Angiography for Mediastinal Lymphoma.”
13. **Taparra K,** Lester SC, Hunzeker A, Funk RK, Blanchard MJ, Young P, Herrmann J, Tasson A, Leng S, Martenson JA, Whitaker TJ, Williamson E, Laack NN. ASTRO Research Spotlight: Research Award Winners (Oral Special Session). ASTRO Annual Meeting 2018 (October 22, 2018). San Antonio, TX. “Pairing Proton Therapy with Cardiac Imaging to Minimize Heart Dose for Patients with Mediastinal Lymphoma.”
[ASTRO MSF CLINICAL RESEARCH FELLOW AWARD]

14. **Taparra K**, Ristow K, Liu H, Polley MY, Habermann T, Ansell S. Invited Speaker, American Society for Hematology 61st Annual Meeting 2019 (December 7, 2019). Orlando, FL MRI Oral Presentation Session. "Bleomycin Pulmonary Toxicity: Outcomes Over the Decades."
[ASH ANNUAL MEETING ABSTRACT ACHIEVEMENT AWARD]
15. Pereira I, McVorrán S, Vidal G, Fortune EC, **Taparra K**, Liu KX, Agarwal A, LeCompte M, Jaramillo S, Ponce SB, Elbanna M, Tye K, Sim AJ, Rivera A, Franco I. Radiation Oncology Education Collaborative Study Group (ROECSG) Spring Symposium 2021. "Social Media for Knowledge Sharing and Translation on Justice, Equity, Diversity, and Inclusion - Implementation and Assessment of our First Campaign."
16. **Taparra K**, Fitzsimmons A, Frankki S, De Wall A, Chino F, Peters A. Supportive Care in Cancer. Gundersen Health System Academic Day 2021. "Healthcare Costs for Adolescent and Young Adults with Cancer: A Community-Based Hospital Study between 2005-2020."
17. **Taparra K**, Dee EC, Dao D, Patel R, Santos P, Chino F. American Society of Clinical Oncology Quality Care Symposium. (September 24-25, 2021). Boston, MA. "Disaggregating Pacific Islanders and Major Asian Subpopulations Reveals Hidden Breast Cancer Disparities."
[ASCO CONQUER CANCER MERIT AWARD]
18. **Taparra K**, Dee EC, Dao D, Patel R, Santos P, Chino F. American Society of Clinical Oncology Quality Care Symposium. (September 24-25, 2021). Boston, MA. "Disaggregating Asian American and Pacific Islanders Unmasks Disparities in Survival, Time-to-Surgery, and Surgery-to-Radiation Intervals among Women with Stage I-III Breast Cancer: An NCDB Analysis from 2004-2016."
[AACR SCHOLAR-IN-TRAINING AWARD]
19. **Taparra K**, Mailhot Vega R, Suneja G, Siker ML, Winkfield KM, Gibbs IC, Deville C, Woodhouse KD. American Society for Radiation Oncology Annual Meeting 2023 (October 1, 2023). San Diego, CA. "Building a Diverse Pathway into Radiation Oncology: The Initial 12-Year Experience of the ASTRO Medical Student Fellowship Program for Underrepresented Populations".
[ASTRO ANNUAL MEETING CLINICAL RESEARCH AWARD]

PEER REVIEWED SCIENTIFIC ABSTRACTS

1. **Taparra K**, Fernandez A. Development of RNA Interference as a tool to study genes required for regeneration in the planarian *Dugesia tigrina*. In: Fairfield University's 11th Annual Sigma Xi Scientific Poster Session. April 2011; Fairfield, CT.
2. **Taparra K**, Tehan L, Rodriguez B, Phelan S. Overexpression of the peroxiredoxin family of antioxidant proteins in MCF7 breast cancer cells and investigation of possible regulatory mechanisms [abstract]. In: Fairfield University's 12th Annual Sigma Xi Scientific Poster Session. April 2012; Fairfield, CT.
3. **Taparra K**, Phelan S. The Potential Effects of Peroxiredoxin Knockdown via siRNA Transfection on MCF7 Breast Epithelial Cancer Treated With Doxorubicin Chemotherapy. In: Fairfield University's 12th Annual Sigma Xi Scientific Poster Session. April 2012; Fairfield, CT.
4. **Taparra K**, Tehan L, Rodriguez B, Phelan S. Overexpression of the peroxiredoxin family of antioxidant proteins in MCF7 breast cancer cells and investigation of possible regulatory mechanisms [abstract]. In: Proceedings of the 103rd Annual Meeting of the American Association for Cancer Research. April 2012; Chicago, IL.
5. Kumar, SK, Laubach JP, Sonneveld P, Mitsiades C, Broijl A, Giove T, Quick M, Neuwirth R, **Taparra K**, Anderson KC, Rajkumar V, Richardson PG. Bortezomib-induced peripheral neuropathy in previously untreated multiple myeloma: Impact of dexamethasone schedule [abstract]. In: International Myeloma Workshop 2013. April 2013; Kyoto, Japan.
6. **Taparra K**, Nugent K, Aziz K, Ghandi N, Wang H, Williams R, Malek R, Cades J, Gajula R, Chettiar S, Hales R, Herman J, Felsher D, Tran P. SNAI1 Collaborates with Kras to Promote Accelerated Lung Tumorigenesis. In: 2014 Scientific Retreat of the Department of Radiation Oncology and Molecular Radiation Sciences. October 2013; Baltimore, MD.
7. **Taparra K**, Nugent K, Aziz K, Ghandi N, Wang H, Williams R, Malek R, Cades J, Gajula R, Chettiar S, Hales R, Herman J, Felsher D, Tran P. SNAI1 Collaborates with Kras to Promote Accelerated Lung Tumorigenesis. In: 2014 Scientific Retreat of the Department of Radiation Oncology and Molecular Radiation Sciences. October 2013. Baltimore, MD.
8. McDonald C, Perlmutter G, **Taparra K**, Muhlbauer J, Passarelli J, Phelan SA. Function and regulation of peroxiredoxin proteins in doxorubicin-treated MCF-7 breast cancer cells. In: Proceedings of the 104th Annual Meeting of the American Association for Cancer Research. April 2013; Washington, D.C.
9. **Taparra K**, Wild AT, Bellovin DI, Williams RD, Gandhi N, Chettiar ST, Gajula RP, Cades JA, Herman JM, Felsher DW, Wang XW, Torbenson M, Tran PT. Modeling EMT-Induced Sorafenib Treatment Resistance in Liver Cancer. In: 2013 Sidney Kimmel Comprehensive Cancer Center Fellow Research Day. May 2013; Baltimore, MD.
10. **Taparra K**, Wang H, Nugent K, Williams R, Malek R, Cades J, Gajula R, Felsher D, Tran P. Snai1 accelerates Kras^{G12D} driven lung tumorigenesis by overcoming oncogene-induced senescence. In: Cold Spring Harbor Laboratory 9th Biennial Mechanisms & Models of Cancer. August 2014; Cold Spring Harbor, NY.
11. Gajula R, Williams RD, Malek R, Nugent K, Walker A, Chettiar S, Wang H, **Taparra K**, Cades J, An S, Herman J, Tran PT. A TWIST1-MLL-HOTTIP complex regulates *HOXA9* chromatin to facilitate metastasis in prostate cancer. 2014 American Society for Radiation Oncology Annual Meeting. September 2014; San Francisco, CA.
12. Gajula R, Williams R, Malek R, Nugent K, Chettiar K, Wang H, **Taparra K**, Cades J, Herman J, Tran PT. A TWIST1-MLL-WDR5-HOTTIP complex regulates *HOXA9* chromatin to facilitate metastasis of prostate cancer. 21st Annual Prostate Cancer Foundation Meeting 2014. October 2014; Carlsbad, CA
13. Walker A, Nirschle C, Nugent K, Nirschle T, Harris T, Wang H, Sharabi A, Velerde E, Malek R, Williams R, Cades J, **Taparra K**, Gajula R, Herman J, Wong J, Hales R, Drake C, Tran PT. Combining checkpoint blockade with radiation therapy results in tumor and immunological responses in an autochthonous mouse model of lung cancer. 2014 Chicago Multidisciplinary Symposium in Thoracic Oncology. October 2014; Chicago, IL.

14. **Taparra K**, Wang H, Nugent K, Malek R, Cades J, Gajula R, Felsher D, Tran P. Snai1 accelerates Kras^{G12D} driven lung tumorigenesis by overcoming oncogene-induced senescence. In: Proceedings of the 106th Annual Meeting of the American Association for Cancer Research. April 2015; Philadelphia, PA.
15. **Taparra K**, Wang H, Nugent K, Malek R, Groves J, Yildirim G, Simons B, Nelkin B, Zachara B, Tran P. SNAI1 Regulates the Hexosamine Biosynthesis Pathway in Lung Cancer. 7th Biennial TEMTIA Meeting. October 2015; Melbourne, Australia.
16. Malek R, Gajula RP, Williams RD, Nghiem B, Simons BW, Wang H, **Taparra K**, Barbhuiya M, Lemtiri-Chlieh G, DeWeese TL, Schaeffer EM, Hurley PJ, Morrissey C, Pienta KJ, Tran PT. Sensitization to PARP inhibition by cotargeting TWIST1-HOXA9 in prostate cancer. 23rd Annual Prostate Cancer Foundation Meeting. October 2016; Carlsbad, CA.
17. **Taparra K**, Wang H, Nugent K, Malek R, Groves J, Yildirim G, Simons B, Nelkin B, Zachara B, Felsher D, Tran P. SNAI1 regulates the hexosamine biosynthesis pathway to promote tumorigenesis in lung cancer. In: Proceedings of the 107th Annual Meeting of the American Association for Cancer Research. April 2016; New Orleans, LA. **[AACR-TAKEDA ONCOLOGY SCHOLAR IN TRAINING AWARD]**
18. **Taparra K**, Wang H, Malek R, Nugent K, Groves J, Yildirim G, Simons B, Felsher D, Zachara N, Tran PT. SNAI1 Regulates the Hexosamine Biosynthesis Pathway to Promote Kras Mutant Lung Tumorigenesis. 23rd American Society for Radiation Oncology Annual Meeting 2016. October 2016; Boston, MA.
19. **Taparra K**, Pepin K, Moser R, Hesse B, Greenberg A. Examining sociodemographic disparities in perceptions of cancer risk from medical imaging radiation. In: Proceedings of the 108th Annual Meeting of the American Association for Cancer Research. April 2017; Washington, D.C.
20. Raman N, Lemtiri-Chlieh G, Nugent K, Ballew M, Peck T, Levine M, Malek R, Wang H, Annadanam A, **Taparra K**, Holland A, Tran PT. Targeting Centrosomal Clustering in Combination with Radiation as a Novel Treatment for Lung Cancer. American Society for Radiation Oncology Annual Meeting 2017. September 2017; San Diego, CA.
21. Malek R, Gajula R, Williams R, Nghiem B, Simons B, Wang H, **Taparra K**, Barbhuiya M, Deweese T, Pienta K, Hurley P, Morrissey C, Tran PT. Targeting Twist1-Hoxa9 to sensitize prostate cancer to PARP inhibition. 9th European Multidisciplinary Meeting on Urological Cancers. November 2017; Barcelona, Spain.
22. **Taparra K**, Pepin KM, Greenberg-Worisek AJ. Associations between perceptions of radiation-related harm and adherence to mammography screening guidelines. In: Proceedings of the 109th annual Meeting of the American Association for Cancer Research. April 2018; Chicago, IL.
23. Lester SC, **Taparra K**, Hunzeker A, Funk RK, Blanchard MJ, Tasson A, Martenson JA, Whitaker TJ, Laack NN. Integration of Electrocardiogram-gated Computed Tomography with Coronary Angiography (E-CTA) and Pencil Beam Scanning Proton Therapy for the Treatment of Mediastinal Lymphomas. 57th Annual Conference of the Particle Therapy Co-Operative Group (PTCOG). May 2018; Cincinnati, Ohio.
24. Lester SC, **Taparra K**, Routman DM, Matthew MJ, Ansell S, Feldman AL, Link BK, Stish BJ, Martenson JA, Slager SL, Stafford SL, Habermann TM, Cerhan JR. Exploring Host Germline Genetics to Help Identify Patients with Early Stage Lymphoma Who Might Benefit from the Addition of Radiotherapy. American Society for Radiation Oncology Annual Meeting 2018. October 2018; San Antonio, TX.
25. **Taparra K**, Lester SC, Hunzeker A, Funk RK, Blanchard MJ, Young P, Herrmann J, Tasson A, Leng S, Martenson JA, Whitaker TJ, Williamson E, Laack NN. A Comparison of Proton and X-Ray Therapy for Coronary Artery Sparing using ECG-gated CT with Coronary Angiography for Mediastinal Lymphoma. American Society for Radiation Oncology Annual Meeting 2018. October 2018; San Antonio, TX.
26. Frechette KM, Lester SC, **Taparra K**, Stafford SL, Martenson JA, Stish BJ, Laack NN. The Impact of PET/CT Staging on the Incidence of Late Hodgkin Lymphoma Relapse for Those Treated in the Involved Field Era. American Society for Radiation Oncology Annual Meeting 2018. October 2018; San Antonio, TX.

27. Lester SC, **Taparra K**, Hunzeker A, Funk RK, Blanchard MJ, Young P, Herrmann J, McCollough J, Tasson A, Leng S, Martenson JA, Whitaker TJ, Williamson E, Laack NN. Sparing of the Cardiac Valves and Left Ventricle using Proton Therapy with ECG-gated CT with Coronary Angiography for the Treatment of Mediastinal Lymphoma. American Society for Radiation Oncology Annual Meeting 2018. October 2018; San Antonio, TX.
28. Shiraishi T, Tran PT, Malek R, Lafargue A, Barbhuiya M, Wang X, Simons B, Ballew M, Nugent K, Groves J, Williams R, Wang H, Verdone J, Yildirim G, Henry R, Zhang B, Wong J, Wang K, Nelkin B, Pienta K, Felsher D, Zachara N, **Taparra K**. O-GlcNAcylation is required for mutant KRAS-induced lung tumorigenesis. AACR Special Conference on Targeting RAS-Driven Cancers. December 9-12, 2018; San Diego, CA.
29. **Taparra K**, Ristow K, Liu H, Polley MY, Habermann T, Ansell S. Bleomycin Use in the Treatment of Hodgkin Lymphoma (HL): Changes Over the Years. 61st American Society of Hematology Annual Meeting 2019. December 7, 2019; Orlando, FL.
[ASH ANNUAL MEETING ABSTRACT ACHIEVEMENT AWARD]
30. Kim H, **Taparra K**, Holland JM. Baroreceptor Reflex Failure after Curative Chemoradiation for Oropharyngeal Cancer: A Potential Use of an Established Therapy. 2020 Multidisciplinary Head and Neck Cancers Symposium. February 2020; Scottsdale, AZ.
31. Lafargue A, Wang H, Chettiar ST, Gajula RP, **Taparra K**, Nugent K, Tran PT. O-GlcNAcylation is required for mutant KRAS-induced lung tumorigenesis. AACR Annual Meeting. April 2020; Philadelphia, PA.
32. **Taparra K**, Deek MP, Dao D, Chan L, Phillips R, Isaacsson Velho P, Gao RW, Deville C, Song DY, Greco S, Carducci M, Eisenberger M, DeWeese TL, Denmeade S, Pienta K, Paller CJ, Antonarakis ES, Park SS, Stish BJ, Tran PT, BJ Stish. Modes of Progression Following Metastasis Directed Therapy in Patients with Oligometastatic Hormone Sensitive Prostate Cancer: A Multi-Institutional Analysis. American Society for Radiation Oncology Annual Meeting 2020. November 2020; [virtual due to COVID19].
33. Lafargue A, Wang H, Chettiar ST, Gajula RP, Smack C, Siddiqui I, **Taparra K**, Lam C, Carrieri F, NugentK, Zachara N, Tran PT. The transactivation domain of TWIST1 is required for TWIST1-induced aggressiveness in non-small cell lung cancer. AACR Annual Meeting. April 2021; [virtual due to COVID19]
34. **Taparra T**, Fitzsimmons A, Frankki S, De Wall A, Chino F, Peters A. Health Care Costs Among Adolescent Young Adults with Cancer at a Community-Based Hospital. American Society of Clinical Oncology Annual Meeting 2021 [Abstract]. June 4-8 2021; [virtual due to COVID19]
35. **Taparra K**, Fukui JA, Killeen J, Sumida KNM, Loo L, Hernandez BY. Racial Disparities Among Women Who Develop Invasive Secondary Breast Cancer. American Society of Clinical Oncology Annual Meeting 2021 [Abstract]. June 4-8 2021; [virtual due to COVID19]
36. **Taparra K**, Fukui JA, Killeen J, Sumida K, Loo LMW, Hernandez BY. Racial Disparities Among Women Who Develop Invasive Secondary Breast Cancer: An Analysis of the NCI SEER Hawai'i Tumor Registry Database. Gundersen Health System Academic Day 2021. May 18, 2021; La Crosse, WI.
37. **Taparra K**, Dao D, Day C, Harmsen WS, Mutter RW, Shumway D, Corbin K. Delays to Adjuvant Proton Beam Therapy for Stage I-III Breast Cancer: A National Cancer Database Analysis. Gundersen Health System Academic Day 2021. May 18, 2021; La Crosse, WI.
38. **Taparra K**, Dee EC, Dao D, Patel R, Santos P, Chino F. Disaggregating Pacific Islanders and Major Asian Subpopulations Reveals Hidden Breast Cancer Disparities. American Society of Clinical Oncology Quality Care Symposium. September 24-25, 2021; Boston, MA.
39. Li B, Hirata EY, Baclay JRM, Henson L, Flores J, **Taparra K**, Hu KS, Reddy J, McGee LA, Patel SH, Sanghvi P. Low-Cost, Multi-Center, Longitudinal Remote Training Improves Confidence in Head and Neck Contouring. American Society for Radiation Oncology Annual Meeting 2021. October 2021; Chicago, IL. (November 28 2021; IJROBP, PMID: 34701240).

40. Kinslow C, Mercurio A, Kumar P, Rae A, **Taparra K**, Grinband J, Siegelin M, Iwamoto F, Cheng S, Wang T. *MGMT Promotor Methylation Predicts Survival in Low-Grade and Anaplastic Gliomas after Alkylating Chemotherapy*. American Society for Radiation Oncology Annual Meeting 2022. October 2022; San Antonio, TX.
41. **Taparra K**, Pollom E. A National Cancer Disparities Analysis of Pacific Islanders Who Decline Radiation Therapy and Impacts on Overall Survival. American Society for Radiation Oncology Annual Meeting 2022. October 2022; San Antonio, TX.
42. **Taparra K**, Gombar S, E Pollom. Assessing Cancer Disparities Among Pacific Islanders with Metastatic Cancer for Survival, Time-To-Metastasis, and Time-to-Radiotherapy Using A Novel Informatics Consult Approach. American Society for Radiation Oncology Annual Meeting 2022. October 2022; San Antonio, TX.
43. Shing, J, Corbin J, Kreimer A, Carvajal L, Berrington de Gonzalez A, **Taparra K**, Shiels MS, Vo JB. The Incidence Of HPV-Associated Cancers Among Disaggregated Asian American And Pacific Islander Ethnogeographic Regions And Ethnicities: A Population-Based Study In The United States. 35th International Papillomavirus Conference & Basic Science, Clinical Science and Public Health Workshops. April 2023; Washington, DC.
44. Hall J, **Taparra K**, Bagshaw HP, Pollom EL, Gensheimer MF, Chin A. Advance Care Planning Impacts on Downstream Healthcare Utilization for High-risk Patients with Metastatic Cancer Undergoing Radiation Therapy. American Radium Society Annual Meeting 2023. May 2023; Maui, HI.
45. Lau B, Pineda E, Benavente R, Uilelea J, Keli'i K, Kekumano K, Pollom E, **Taparra K**. Racial Disparities Among Patients with Cancer Who Refuse Radiation Therapy But Not Surgery: A Large Hospital-Based Cohort Study 2004-2017. American Radium Society Annual Meeting 2023. May 2023; Maui, HI.
46. **Taparra K**, Benavente R, Shih J, Gimmen MY, Tominez P, Kekumano K, Pineda E, Sherman R, Deville C, Peppercorn J, Gomez S, Bosserman L, Chino F, Patel M, Shah C. Patient Inclusion and Reporting by US Federally Defined Race/Ethnicity in High-Impact Phase 2/3 Oncology Clinical Trial Publications. American Society of Clinical Oncology Annual Meeting 2023. June 2023. Chicago, IL.
47. **Taparra K**, Kekumano K, Benavente R, Gimmen M, Deville C, Pollom E. Racial Disparities in Survival and Stage at Diagnosis Among Adolescent and Young Adult Patients with Cancer. American Society of Clinical Oncology Annual Meeting 2023. June 2023. Chicago, IL. [**ASCO ANNUAL MEETING MERIT AWARD**]
48. **Taparra K**, Ing B, Ewongwo A, Vo J, Shing J, Gimmen MY, Keli'i KMK, Pollom E, Kidd EA. Racial Disparities in Brachytherapy Treatment among Women with Cervical and Endometrial Cancers: A United States Cohort Study between 2004-2017. American Society for Radiation Oncology Annual Meeting 2023. October 2023; San Diego, CA.
49. Saripalli AL, Germino EA, Taparra K, Rattani A, Pointer KB, Singh SA, Musunuru H, Shukla UC, Vidal G, Pereira IJ, Williams VM, Elmore SC, Franco I, Chaurasia AR, Rivera A. Tailored Mentorship for the Underrepresented and Allies in Radiation Oncology: The Association of Residents in Radiation Oncology Equity and Inclusion Subcommittee Mentorship Experience. American Society for Radiation Oncology Annual Meeting 2023. October 2023; San Diego, CA.
50. **Taparra K**, Benavente R, Gimmen MY, Kekumano K, Pollom E. Determining the Optimal Sequence of Immunotherapy and Lymph Node Irradiation among Patients with Cancer: A Propensity Score Matched Analysis. American Society for Radiation Oncology Annual Meeting 2023. October 2023; San Diego, CA.

RESEARCH GRANTS AND FUNDING

- Fairfield University Magis Scholarship Grant (Scholarship: **\$66,000** Grant: **\$1,500**) **2009-2012**
“Overexpression of the Peroxiredoxin Family of Antioxidant Proteins in Breast Cancer”
 The grant portion of this scholarship allowed me to conduct summer research and provided financial assistance to attend the 103rd Annual Meeting of the American Association for Cancer Research (AACR) in April 2012 (Chicago, IL).
- NIH/NCI F31 Predoctoral Individual NRSA (Over 3 Years: **\$128,028**) **2013-2016**
“Mechanisms of TWIST1-induced sorafenib resistance in liver cancer” Predoctoral Fellow
 Received this F31 from the National Cancer Institute of the National Institutes of Health; Award Number F31CA189588. Youngest PhD student in program 20 year history to receive grant, First Native Hawaiian awardee at JHUSOM. Ruth L. Kirschstein NRSA for Individual Predoctoral Fellowships to Promote Diversity in Health-Related Research.
- Johns Hopkins Alumni Association Grant (Grant: **\$1,500**) **2014**
“A SHaRP Way to Engage Early Baltimore Biomedical Scholars”
 Selected for a competitive grant to provide hands on research opportunities to underrepresented high school students. Students in the MERIT program are prepared for their dreams of becoming biomedical researchers and physicians. Grant was selected for “holding the most promise for enhancing academics, extracurricular activities, student life, and/or community involvement at JHU”.
- Cold Spring Harbor Laboratory/NCI Travel Award (Travel Grant: **\$150**) **2014**
“Snai1 accelerates Kras^{g12d} driven lung tumorigenesis by overcoming oncogene-induced senescence”
 This travel award was made possible by a NCI grant awarded to the Cold Spring Harbor Laboratory. This grant provided financial assistance for graduate students in the life sciences to attend this CSHL conference.
- AACR Minority Scholar in Cancer Research Award (Grant: **\$1,500**) **2015**
 Selected by AACR’s Minorities in Cancer Research (MICR) Council to receive this Research Award Sponsored by the National Cancer Institute to support my attendance at the 2015 AACR Annual Meeting I competed against graduate students, medical students, residents, clinical/postdoctoral fellows, and junior faculty
- AACR-Takeda Oncology Scholar in Training Award (Grant: **\$1,500**) **2016**
 Selected by the AACR Awards committee, competing against over 1,200 applicants from around the world “AACR Scholar-in-Training Awards are highly competitive awards that recognizes outstanding young cancer investigators presenting meritorious papers at the AACR Annual Meeting”
- Mayo Clinic School of Medicine Rural Medicine Selective Hoffman Fund Award (Award: **\$1,000**) **2017**
“Exploring the Medically Underserved Rural Communities on O’ahu”
 Spent 3 weeks in a federally recognized underserved clinic working in Family Medicine
- Mayo Clinic Div. of Hematology and Oncology Medical Student Research Award (Grant: **\$500**) **2017**
“Examining sociodemographic disparities in perceptions of cancer risk from medical imaging radiation”
 Selected to present Mayo/NCI research collaboration on health care disparities at the AACR Annual Meeting
- American Society for Radiation Oncology (ASTRO) Minority Summer Clinical Fellowship Award (Grant: **\$4,500**) **2017**
“CT Angiography for Cardiac-Sparing IMRT” Mayo Clinic Dept. of Radiation Oncology, Dr. Nadia Laack
 Our goal was to generate tools that would reduce cardiac dose and improve quality of life and long-term survival of patients with Hodgkin’s lymphoma (HL). We hoped to create better risk stratification and treatments for patients with HL. ASTRO selects one Clinical Fellowship Awardee annually from a national pool of medical students.
- American Heart Association (AHA) Helen N. & Harold B. Shapira Heart Medical Scholarship (Award: **\$1,200**) **2017**
 One recipient is awarded annually to a medical student whose research demonstrates potential application for patients with diseases of the heart and blood vessel system. Awarded by the American Heart Association - Midwest Affiliate.
- American Society of Clinical Oncology (ASCO) Medical Student Rotation for URM Award (Grant: **\$5,000**) **2018**
“CT Angiography for Cardiac-Sparing IMPT” Mayo Clinic Dept. of Radiation Oncology, Dr. Scott Lester
 The primary objective of this competitive award was to identify strategies to reduce cardiotoxicity in patients with Hodgkin lymphoma using Proton Beam Therapy and advanced cardiac imaging. We set out to accomplish this by assessing the benefit of cardiac substructure PRV delineation, evaluate benefit of proton beam therapy, and evaluate dosimetric improvements of proton beam therapy with ECG-gated CTA.

- American Society of Hematology (ASH) Minority Medical Student Award Program (Grant: **\$7,500**) **2018**
“Bleomycin Use in the Treatment of Hodgkin Lymphoma (HL): Changes Over the Years”, Dr. Stephen Ansell
 While patients with Hodgkin Lymphoma have excellent disease-specific response rates, bleomycin poses long-term challenges due to Bleomycin Pulmonary Toxicity (BPT). The goal of this research project was to better elucidate the impact the clinical decisions surrounding bleomycin has on patients with HL who develop BPT during treatment.
- Cures Within Reach Foundation Minority Principal Investigator Award (Grant: **\$70,000**) [award declined] **2021**
“Improving Betel Nut Induced Oral Cavity Cancer Among Pacific Islanders (BIOCAP) Study”
 Betel nut induced-oral cavity (BNIOC) cancers are highly aggressive with recurrence rates higher than other oral cavity cancers. Pacific Islanders are an underrepresented community that have the highest rates of BNIOC cancers. The goal is to evaluate a neoadjuvant approach combining immunotherapy and targeted therapy prior to standard of care.
- Tobacco Related Disease Research Program Postdoctoral Award (Grant: **\$180,000**) [award declined] **2022**
“Improving Tobacco-Related Betel Nut Induced Oral Cavity Cancer Among Pacific Islanders”
 Nearly all Pacific Islander patients who chew betel nut have co-substance use with tobacco products. There is limited understanding between the interaction of betel nut chewing and tobacco products on the treatment of BNIOC cancers. The goal of this study is to quantitatively assess the efficacy of neoadjuvant treatment stratified by tobacco use history.
- Stanford Cancer Institute Innovation Award (Grant: **\$50,000**) [award declined] **2022**
“Neoadjuvant Therapy for Locally Advanced Betel Nut Induced Oral Cavity Cancer Phase II Clinical Trial”
 The overall hypothesis of this study is that the neoadjuvant treatment will lead to a robust major pathologic tumor response resulting in a higher rate of margin-free surgical resection and improved 1-year progression-free survival without an increase in toxicity when compared to matched historical controls treated with standard of care.
- Stanford Health Care Sustainability Seed Grant (Grant: **\$25,000**) **2022**
“Quantifying, Modeling, and Optimizing Water Use For Stanford Health Care and Patients with Cancer”
 Water is a precious natural resource and water conservation is essential in healthcare. This study aims to 1) Quantify water use at major buildings across Stanford Health Care, 2) Model water use based on local temperature variation over time, and 3) Measure water demand of a radiation oncology treatment machine used to treat patients with cancer.
- Stanford Cancer Institute – Women Cancer Center’s Innovation Award (Grant: **\$50,000**) **2022**
“The impact of Multiraciality, Comorbidity, and Geography on Cancer Disparities Among NHPI Population”
 The overall goals of this project are to 1) Develop a model for multiracial NHPI using machine learning to predict overall survival among patients with cancer, 2) Identify comorbidities that may drive poor survival outcomes of NHPI patients with cancer, and 3) Trend the geographic distribution of cancer incidence and mortality for NHPI patients with cancer.
- Stanford Cancer Institute Fellowship Award (Grant: **\$75,000**) **2023**
“Investigating Multiraciality, Comorbidity, And Geography Among Pacific Islanders With Cancer In The US”
 The goals of this project are to 1) understand how multiraciality impacts clinical outcomes for patients with cancer, 2) assess how comorbidity burden impacts oncologic outcomes among NHPI patients, and 3) map this distribution of cancer disease burden across the United States. The outcomes of this project have the potential to identify key disparities among an underserved population and support novel approaches for handling multiracial patient data across healthcare research.
- ASCO Dr. Judith and Alan Kaur Endowed Young Investigator Award (Grant: **\$50,000**) **2023**
“Leveraging Machine Learning to Investigate Pacific Islander Cancer Disparities in the United States”
 In honor of the first recipient of the ASCO Young Investigator Award Program, this inaugural endowed award “provides funding to a promising investigator to encourage and promote quality research in clinical oncology. Conquer Cancer funds the most meritorious applications in all areas of cancer research. The purpose of this grant is to fund physicians during the transition from a fellowship program to a faculty appointment.”

INVITED COMMENTARIES, PROFESSIONAL INTERVIEWS, & NEWS ARTICLES

1. **Taparra, K.** "[Public Policy and Advocacy in Cancer Research: An Associate Member Guest Post](#)". Invited Post. *Cancer Research Catalyst*. American Association for Cancer Research, March 30, 2017.
2. **Taparra, K.**, Laack, N. "[Igniting the Spark: Mentoring the Next Generation of Radiation Oncology](#)". Invited Post. *ASTRO Blog*. American Society for Clinic Oncology, August 7, 2019.
3. Gill, E. "[Limited Training Options Worsen Hawaii's Doctor Shortage](#)." Featured Interviewee. Report for America. *Honolulu Civil Beat*. August 16, 2019.
4. Hanae Armitage. "[Native Hawaiian resident shines light on health disparities](#)". Stanford Medicine. *The Scope*. October 21, 2021.
5. American Society of Clinical Oncology. "[Podcast: How AA & NHPI Aggregation Masks Cancer Disparities](#)". Featured Interviewee. *ASCO Daily News Podcast*. May 5, 2022.
6. Krista Conger. "[Breast cancer disparities in Native Hawaiians and Pacific Islanders masked in larger 'Asian American' group](#)". Featured Interviewee. *Stanford News Center*. Stanford Medicine Center Report. May 26, 2022.
7. Matthew Stenger. "[Survival and Surgery-to-Radiotherapy Intervals Among Asian American and Pacific Islander Women With Early Breast Cancer](#)". *The ASCO Post*. June 3, 2022.
8. Usha Lee McFarling. "[Life expectancy for Native Americans has stagnated — even long before Covid](#)". *STAT News*. June 15, 2022.
9. Leah Lawrence. "[Aggregating Data for Asian and Pacific Islander Patients May Mask Disparities](#)". *Cancer Therapy Advisor*. August 18, 2022.
10. Nicole Pasia. "[Dr. Kekoa Taparra highlights importance of data disaggregation in Pacific Islander health](#)". *State of Reform*. June 22, 2022.
11. Tori Rodriguez. "[Aggregating Data Hides Cancer Disparities Affecting Asian and NHPI Patients in the US](#)". *Cancer Therapy Advisor*. January 27, 2023.
12. Kiana Kalahale. "[4 Hawaii leaders selected as part of first cohort in Obama Foundation Leaders USA program](#)". *Hawai'i News Now*. August 1, 2023.
13. Ruthann Richter. "[Beyond climate dread – Conserving Water in Hospitals](#)". *Stanford Medicine Magazine*. June 2, 2023.
14. New England Journal of Medicine Interviews. "[NEJM Interview: Kekoa Taparra on the Lāhainā fires and persistent threats to community recovery](#)." October, 25, 2023

CURRICULUM/COURSE DEVELOPMENT

2014-2016 High School Summer Program, Physics/Chemistry/Biomedical Sciences, Curriculum Development
2023 Hawai'i Department of Health - 'Ohana Center of Excellence, Data Disaggregation Workshop

TEACHING

2009-2010 Fairfield University, Department of Biology, Peer Learning Group (PLG), Course Instructor
Biology (BI 171, 172)
2009-2012 Fairfield University, Modern Languages Oral Practice Sessions, Course Instructor
Japanese (JN 110, 111, 210)
2009-2012 Fairfield University, Department of Academic Disability and Support Services, Peer Tutor

Japanese (JN 110, 111, 210)
Chemistry (CH 11, 12)

FORMAL MENTORSHIP

| Name | Program | Mentee Current Position | Year(s) |
|------------------|---|--|----------------|
| Michelle Costa | Fairfield University <i>Cura Personalis</i> Minority Mentoring Program; *Mentor of the Year Award* | Pharmacy Technician | 2010-2012 |
| Natasha Raman | Tran Laboratory Mentoring: Cancer Research | Resident | 2014 |
| Matthew Ballew | Tran Laboratory Mentoring: Cancer Research | Resident | 2015-2016 |
| Ananta Sarker | American Physician Scientists Association National Mentorship Program | Lab Technician | 2016-2018 |
| Sini Romero | Mayo Clinic School of Medicine; Pre-Med Insight Mentorship Program for Minority Students | MD-PHD Student | 2016-2021 |
| Norvin Hernandez | Mayo Clinic Undergraduate Plummer Scholars Program | Baylor University | 2016-2021 |
| Jason Uilelea | Taparra Lab: Pacific Islander Research Group | Brown University | 2021-present |
| Alana Egan | Taparra Lab: Pacific Islander Research Group | University of Rhode Island | 2021-present |
| Briana Lau | Taparra Lab: Pacific Islander Research Group | Clinical Psychology PhD Stanford University | 2021-present |
| Eric Pineda | Taparra Lab: Pacific Islander Research Group | Tulane School of Medicine | 2022-present |
| Kā'eo Kekumano | Taparra Lab: Pacific Islander Research Group | Havard University | 2022-present |
| Kawehi Keli'i | Taparra Lab: Pacific Islander Research Group | Brown University | 2022-present |
| Ryan Benavente | Taparra Lab: Pacific Islander Research Group | Harvard Medical School | 2022-present |
| Megan Gimmen | Taparra Lab: Pacific Islander Research Group | Harvard Medical School | 2022-present |
| Jonathan Shih | Taparra Lab: Pacific Islander Research Group | UCSF School of Medicine | 2022-present |
| Paul Tominez | Taparra Lab: Pacific Islander Research Group | UCSF School of Medicine | 2022-present |
| Gisele Halualani | Taparra Lab: Pacific Islander Research Group | UC Berkeley | 2022-present |
| Nikki Apana | Taparra Lab: Pacific Islander Research Group | UCSF School of Medicine | 2023-present |
| Luke Roberto | Taparra Lab: Pacific Islander Research Group | Santa Clara University | 2023-present |
| Kai Akimoto | Taparra Lab: Pacific Islander Research Group | University of MN SOM | 2023-present |

LEADERSHIP, FELLOWSHIP, AND VOLUNTEERING

- Stanford Cancer Institute Justice, Equity, Diversity, and Inclusion Committee (Stanford, CA)** 2021-present
Invited as the single resident representative in the entire cancer center on the inaugural SCI JEDI committee
Assists in the strategic planning of JEDI related issues with the leadership at the Stanford Cancer Institute
Supports all efforts and initiatives to create a research workforce, workplace culture, and community outreach
- Inaugural President Barack Obama Foundation Leaders USA Program Cohort (USA)** 2023-present
Selected to join a highly competitive cohort of 100 changemakers from across the US by President Obama and team
Engaged in an intensive weekly 6-month program focusing on building values-based leaders to strengthen our democracy
Provided the opportunity to work 1:1 with an expert leadership coach for individualized leadership growth
- American Society of Clinical Oncology JCO Editorial Fellowship Program (USA)** 2022-2023
Selected to serve as Editorial Fellow for JCO Oncology Practice and completed online reviewer training course
Worked closely with editorial staff on decisional process to get an article from submission, to review, to print
Recognized as a JCO Oncology Practice Journal Top 25 Reviewer 2022-2023
- Stanford Center for Asian Health Research and Education (CARE) Scholars Program (Stanford, CA)** 2023-present
Invited as a faculty mentor for an intensive 9-week immersion program in health disparities data science research
Educated on racial data disaggregation and fundamental principles of coding in R during weekly sessions
Actively mentored aspiring scholars, fostering their passions and nurturing their growth in research and medicine
- Stanford Leadership in Health Disparities Program – Faculty Facilitator (Stanford, CA)** 2022-2023
Invited annually by the School of Medicine to serve as faculty mentor and discuss breaking health disparities research
Prepared and delivered an engaging lecture on Native Hawaiian and other Pacific Islander health disparities research
Educated students on issues of structural racism in big data and methods to overcome these problems in indigenous data
- Stanford Graduate Medical Education Diversity Committee Department Representative (Stanford, CA)** 2021-present
Selected to represent the department of Radiation Oncology at monthly meetings at Stanford Medicine GME
Collaborates with leaders at Stanford Office of Diversity in Medical Education to promote diversity, equity, & inclusion
Serves as a specialty representative for the Stanford GME Navigating Medicine Series
- Equity and Inclusion Subcommittee, Association of Residents in Radiation Oncology (USA)** 2020-present
Published health disparities research focusing on ethnic/racial minority patients with cancer treated with radiation therapy
Participates in monthly meetings with EISC committee resident physician leaders across the country
Advocates and educated resident physicians regarding Native Hawaiian and Pacific Islander issues in oncology
- Leadership Education in Advancing Diversity (Stanford, CA)** 2021-2022
Participated in a 10-month longitudinal leadership program developed at Stanford Medicine
Developed leadership and scholarship skills in addressing issues related to equity, diversity, and inclusion
Worked towards building a workshop with a team of residents, fellows, and attendings to advance DEI at Stanford
- Rayos Contra Cancer – Philippines Head & Neck Contour Curriculum (USA & Philippines)** 2019-2021
Coordinated recruitment of expert H&N radiation oncologists throughout the US and built contouring curriculum
Organized education for radiation oncology residents in the Philippines as an effort to enact global health initiatives
Guided radiation oncologists to build sessions focusing on developing, evaluating, and executing H&N SBRT plans
- Mayo Clinic Medical Specialty Journal Club Program (MSJCP), Director and Founder (Rochester, MN)** 2017-2020
Developed the first ever institution wide program that exposed students to landmark research in medical specialties
Coordinated over 25 leaders with over 500 participants, mentored by expert physicians in respective fields
Provided opportunities to critically analyze and evaluate pertinent literature in over 15 medical specialties
- American Association for Cancer Research (AACR) - Associate Member Council (USA)** 2015-2018
1 of 4 selected among >100 graduate/medical students, residents, clinical/postdoctoral fellows from around the world
Worked directly with group of international cancer scientist leaders, AACR Board of Directors, and AACR CEO
Advocated for and represented over 15,000 Associate Members of the AACR for a 3-year leadership position
Developed programs specifically targeted to the professional advancement of the AACR's largest constituent group

- American Medical Association (AMA) Medical Student Section– Committee on Scientific Issues (USA) 2016-2018**
 Developed public policy recommendations and structures research policy guidelines for the AMA
 Created policy recommendations related to tumor immunotherapy, “taboo genetics”, ethnic disaggregation, and statistics
 Reviewed and voted on AMA resolutions such as *Artificial Intelligence in Medicine* and *Genetic Health Protection*
- Mayo Clinic Alix School of Medicine Research Committee (Rochester, MN) 2016-2020**
 Represented MCSOM student body on issues pertaining to research opportunities, requirements, and resources
 Developed programming to expose students to research and medical fields not covered in early years of medical school
- Mayo Clinic Alix School of Medicine Student Organization Funding Task Force, Chair (Rochester, MN) 2017-2018**
 Led a team to revise the funding infrastructure of the MCSOM to equally allocate funding for student led programs
 Developed the first ever inventory survey to assess the financial needs of student run organizations in the medical school
 Advocated for and secured \$100,000 of funding for medical student organizations across Mayo Clinic campuses
- Liaison Committee on Medical Education (LCME), ISA Task Force Member (Rochester, MN) 2017-2019**
 Served as a member of the Independent Student Analysis (ISA) component of the medical school accreditation process
 Helped develop the official questionnaire and analysis submitted to the LCME to provide evidence for accreditation
- American Physician Scientist Association (APSA) National Mentorship Program (USA) 2016-2018**
 Met quarterly with and provides mentorship for an underrepresented in medicine (URM) aspiring physician scientist
- Mayo Clinic Pre-Med Insight Mentoring Program (Rochester, MN) 2016-2020**
 Mentored underrepresented in medicine (URM) student to help plan and provide advice about getting into medical school
 Assists in reviewing and revising medical school application and strategy for medical school application cycle
- Mayo Clinic Medical Explorers Program Volunteer (Rochester, MN) 2016-2018**
 Led interactive medical sessions for local high school students and provided exposure to medical concepts
 Provided hands-on sessions for students to learn how to use ultrasound, sphygmomanometer, and stethoscope
- Mayo Clinic Volunteer Program – Hospitality Services (Rochester, MN) 2016-2018**
 Attended to ~60 patient rooms a week on the in-patient cardiac transplant service ensuring the patient feels at home
 Spent quality time with each patient and coordinated many services including massage therapy, religious services, etc.
- AACR Undergraduate Student Caucus and Poster Competition, Judge (USA) 2016-2018**
 Invited to serve as a guest judge to evaluate undergraduate cancer research posters three years in a row
 Provided mentorship for aspiring cancer researchers pertaining to career paths through graduate and medical school
- National Rally for Medical Research Hill Day and Early Career Scientist Hill Day (Washington, D.C.) 2015-2017**
 Selected to participate in the first ever AACR Early Career Scientist Hill Day for young cancer investigators
 Invited three times to Washington, D.C. to meet with US Senators and Representatives to advocate future of NIH funding
 Advocated alongside survivors, scientists, and health care professionals to discuss the importance of biomedical research
- Volunteer at The Hackerman-Patz Patient and Family Pavilion at Johns Hopkins (Baltimore, MD) 2014-2016**
 Volunteered at the Johns Hopkins Hospital Sidney Kimmel Comprehensive Cancer Center affiliated patient housing
 Provided hospitality and support to patients and families enhancing the Pavilion's welcoming, home-like environment
 Assisted with weekly programming including hosting, setting up, and cleaning up weekly dinners for patients with cancer
- Medical Education Resources Initiative for Teens (MERIT) Mentoring Program (Baltimore, MD) 2014-2016**
 Served on the 2015 MERIT Education Curriculum Development team as a biomedical content coordinator
 Assisted in developing biomedical curriculum and research experience for Baltimore County high school students
- Embajadores de Salud Volunteer (Baltimore, MD) 2014**
 Participated in weekly work out sessions with minority Latino community members to promote health and well being
 Engaged with Latina members of the Baltimore community while training for 5K run
- The Maryland School for the Blind Outreach Volunteer (Baltimore, MD) 2012-2014**
 Aided in arts and crafts with middle school to college level students with visual and/or hearing impairments
 Designed lessons to promote enhancement of tactile and auditory sensation in an engaging manner through the arts

Mentoring at Fairfield University (Fairfield, CT)

2009-2012

First Year Student Mentor (FYE Program), taught a formal class helping new students adjust to college life
Mentored first year minority and first generation students as a *Cura Personalis* Mentor; Mentor of the Year Award

Leader of Ignatian Solidarity Corps International Service and Immersion Program (Kingston, Jamaica) 2011-2012

Missionaries of the Poor Bethlehem Center: Helped feed, bathe, and care for mentally and physically impaired children
The Home for the Destitute and Dying: Worked at home for the elderly run by Mother Teresa's Missionaries of Charity
Served as teachers' aide for Pre-Primary School/Health Clinic located in an economically poor area built on a city landfill
Selected to lead the 2011-2012 Ignatian Solidarity Corps International Service Trip to Kingston, Jamaica

Ignatian Solidarity Corps International Service and Immersion Program (Punta Gorda & Delores, Belize) 2010-2011

Participated in a 3 month program in preparation for service trip learning Belizean culture, politics, economics, etc.
Filmed, directed, and edited a 30 minute documentary on the 2011 International Service Trip to Belize
Built a Hurricane shelter, renovated an HIV/AIDS Children Center, engaged with locals, worked in Mayan village
Lived in solidarity with Mayan villagers and presented English and Mathematics lessons at village elementary school

Hui 'Ohana 'O Hawai'i Founder and President (Fairfield, CT)

2010-2012

Led an organization that welcomed members from all cultures to learn about the local and Native traditions of Hawai'i
Worked with Hawaiian Tropic Sunscreen and Colleges Against Cancer to distribute hundreds of free sunscreen samples
Organized a culturally authentic Lū'au with hula lessons, authentic Hawai'i cuisine, and self-produced educational video

USA Swimming National Athlete Representative/State Athlete Representative (USA)

2006-2010

Selected Nationally to represent the swimmer athletes on the Convention Education Committee for USA Swimming
Planned, moderated, and led national convention sessions on college 101, technology safety, social media, energy drinks

Office of Residence Life - Resident Assistant (Fairfield, CT)

2010-2012

Responsible for >200 sophomore students; promoted healthy living with weekly yoga sessions, group morning jogs, etc.
2011 Residence Life Programmer of the Year for planning numerous intellectually and socially engaging programs

Fairfield University Rotaract Club (Fairfield, CT)

2010-2012

Helped with the on campus blood drive in sponsorship with the American Red Cross
Was involved with a national campaign fundraiser to raise money to eradicate polio around the world

Division 1 College Varsity Swimming, Coaching, and Competitive Swimming (USA)

2008-Present

Set >20 State Age Group Records; Competed on Team USA in Australia and New Zealand – 200 breaststroke medalist
Set 6 individual and 2 relay Fairfield University Program Records; 3x High School Swimming All American
Multiple Time Conference Gold Medalist 19 out of 24 dual meet races; MAAC Conference Swimmer of the Week
Johns Hopkins University Intramural Team Swimming Coach
Fastest 1.5K Swim Split International Course - Trinona Triathlon
First Place M 24-29 Age Group Hero-Up Half Marathon; 2 Half Marathons for Pediatric Cancer Research August 2019