

Phuoc Tho Tran**DOB:** June 21st, 1974 (Saigon, Vietnam)**Citizenship:** United States of America**Contact Information:**

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**Educational Background:**

DEGREE	INSTITUTION	DATE	FIELD
B.S.	University of California, San Diego (UCSD)	1992-1996	Molecular Biology
Ph.D.	Oregon Health & Science University (OHSU)	1998-2001	Genetics
M.D.	OHSU	1996-2003	Medicine

Professional Positions:

1998-2001	Graduate Student, Molecular & Medical Genetics, OHSU, R. Michael Liskay (Advisor).
2002-2003	Postdoctoral Research Fellow, OHSU, R. Michael Liskay (Advisor).
2003-2004	Preliminary Internal Medicine Intern, St. Mary's Medical Center, San Francisco, CA.
2004-2008	Radiation Oncology Resident, Stanford University Medical Center.
2007-2008	Chief Resident, Radiation Oncology, Stanford University Medical Center.
2005-2009	Postdoctoral Research Fellow, Stanford University Medical Center, Dean Felsher (Advisor).
2008-2009	Instructor, Radiation Oncology, Stanford University Medical Center.
2008-2009	Member, Stanford Cancer Center.
2009-2013	Assistant Professor, Radiation Oncology, The Johns Hopkins University School of Medicine (JHU SOM).
2010-2013	Assistant Professor, Oncology (secondary appt), JHU SOM.
2010-2022	Member, Sidney Kimmel Comprehensive Cancer Center (SKCCC), JHU SOM.
2012-2021	Member, Graduate Program in Cellular and Molecular Medicine (CMM), JHU SOM.
2013	Assistant Professor, Urology (secondary appt), JHU SOM.
2013-2019	Associate Professor, Radiation Oncology, Oncology and Urology, JHU SOM.
2015-2017	Clinical Director, Radiation Oncology and Molecular Radiation Sciences, JHU SOM.
2019-2022	Co-Leader, Cancer Invasion and Metastasis Program (CIMP), SKCCC, JHU SOM.
2020-	Member, Graduate Program in Biochemistry and Molecular Biology (BMB), JHU BSPH.
2020-2021	Professor, Radiation Oncology, Oncology and Urology, JHU SOM.
2021-	Adjunct Professor, Radiation Oncology and Molecular Radiation Sciences, JHU SOM.
2021-	Professor and Vice Chair, Radiation Oncology, University of Maryland School of Medicine (UM SOM).
2022-	Faculty, Graduate Program in Life Sciences (GPILS), Molecular Medicine Program, UM SOM.

Awards & Honors:

- 1995 John Muir College Caledonian Honor Society, UCSD.
- 1995-1996 UC Regents Scholar; the most prestigious UC scholarship.
- 1992-1996 UCSD John Muir College Provost's Honors seven times.
- 1996 Graduated *magna cum laude* from UCSD.
- 1996-2003 OHSU Laurel Merit MD/PhD Scholar.

- 1996-2003 OHSU School of Medicine Scholar six times.
- 1998-2001 OHSU Molecular Hematology Research Training Fellow (NIH grant 5-T32-HL07781).
- 2001 Summer Institute in Geriatrics (American Society of Geriatrics & Boston Uni. School of Medicine).
- 2002 Keystone Abstract Scholarship - *Molecular Mechanisms of DNA Replication & Recombination*.
- 2003 OHSU Dean's Medical Student Research Award recipient.
- 2005 American Society for Radiation Oncology (ASTRO) travel grant for Gordon Res Conf: *Radiation Onc.*
- 2006 Radiological Society of North America (RSNA) Roentgen Resident Research Award.
- 2006 RSNA Research Resident (RR0601).
- 2007 American Radium Society (ARS) Travel Grant.
- 2007 ASCO/AACR Methods in Clinical Cancer Research Workshop Scholarship.
- 2007 Malcolm A. Bagshaw Award.
- 2007 Henry S. Kaplan Research Fellow (SUMC grant 1046297-100-KAVWO).
- 2007 ASTRO Resident Poster Recognition Award (Top 3 posters of the national meeting).
- 2007 Helena Anna Henzl Gabor Science Fund Travel Grant.
- 2008 ASTRO Translational Symposium Travel Grant.
- 2008 RSNA Research Fellow (RF0801).
- 2008-2011 Parker B. Francis Fellow.
- 2009 RSNA Research Scholar (RSCH0915): Declined.
- 2009-2011 ASTRO Junior Faculty Career Research Training Award.
- 2010 ASTRO National Meeting Abstract Award.
- 2011 The 5th Epithelial-Mesenchymal Transition (EMT) International Association Meeting Best Poster Award.
- 2011-2013 The Phyllis and Brian L. Harvey Scholar - Patrick C. Walsh Prostate Cancer Research Fund Award.
- 2011-2016 DoD Prostate Cancer Physician Research Training Award (W81XWH-11-1-0272).
- 2012 Association of Residents in Radiation Oncology (ARRO) Educator of the Year.
- 2012 Top Doctors by Baltimore Magazine.
- 2012-2014 Uniting Against Lung Cancer Junior Investigator Award.
- 2012-2017 American Cancer Society Research Scholar.
- 2013 OHSU SOM Alumni Association Early Career Achievement Award (Inaugural Award).
- 2013 Alpha Omega Alpha Honor Medical Society Alumni Award, OHSU Chapter.
- 2013 The Irene and Bernard L. Schwartz Scholar - Patrick C. Walsh Prostate Cancer Research Fund Award.
- 2013-2016 Sidney Kimmel Translational Scholar Award.
- 2013-2018 National Cancer Institute (NCI) 1R01CA166348-01A1.
- 2015 American Society of Clinical Oncology (ASCO) Leadership Development Program.
- 2015 Johns Hopkins Catalyst Award.
- 2015-2017 Movember Foundation (MF)-Prostate Cancer Foundation (PCF) Challenge Award.
- 2016 Johns Hopkins Discovery Award.
- 2018-2020 NCI 1R21CA223403-01 (scored in top 1%).
- 2018-2023 NCI 1U01CA212007-01A1.
- 2018-2023 NCI 1U01CA231776-01.
- 2021-2022 Movember-Distinguished Gentlemen's Ride-PCF Challenge Award.
- 2021-2023 NCI 3U01CA231776-03S1.
- 2021-2024 DoD CDMRP Prostate Cancer Research Program Translational Science Award (W81XWH-21-1-0296)
- 2022-2027 NCI 1U54CA273956-01 - Radiation Oncology-Biology Integration Network (ROBIN) Oligometastasis (OligoMET) Center.
- 2023-2027 NCI 1R01CA271540-01A1

Medical certification/Licensing:

- USMLE Step I: Passed with score 246 (3-digit score) or 99 (2-digit score) in June 2001.
- USMLE Step II: Passed with score 258 (3-digit score) or 97 (2-digit score) in April 2003.

- USMLE Step III: Passed with score 230 (3-digit score) or 93 (2-digit score) in January 2004.
- Diplomate of the American Board of Radiology (ABR) - Radiation Oncology: 58411 (continuous certificate).
- California Medical License: A87841 (June 2004-June 2010).
- Maryland Medical License: D0068806 (valid until September 2023).
- Drug Enforcement Agency #: BT8897045 (valid until December 2024).
- Maryland Controlled Dangerous Substances #: M66985 (valid until March 2026).

Professional Societies:

2004-	ASTRO (Member ID#35173018)
2004-	RSNA (Member ID #00374305)
2004-2015	American College of Radiology (ACR) (Member ID #05043345)
2005-2008	American College of Radiation Oncology (ACRO)
2007-	American Society of Clinical Oncology (ASCO) (Member ID #81970)
2007-	American Association for Cancer Research (AACR) (Member ID #140253)
2008-2012	American Thoracic Society (ATS) (Member ID #00115427)
2011-	The EMT International Association (Member ID #23294)
2011-	Radiation Research Society (RRS) (Member ID #00291116)
2013-	Alpha Omega Alpha Honor Medical Society (Member ID #029-A-2013-0175041)
2016-2017	American Association for the Study of Liver Diseases (AASLD) (Member ID #178882)
2017-	European Society for Radiotherapy and Oncology (ESTRO) (Member ID# M-23262)
2019-	International Association for the Study of Lung Cancer (IASLC) (Member ID# 429752)
2023-	American Urological Association (AUA) (Member #01066095).

Public Service:**Committees and Professional Activities:**

2009-2014	RSNA Scientific Program Committee - Radiation Oncology & Radiobiology Subcommittee
2010	JHU Bloomberg School of Public Health Graduate Board Oral Exam Committee – Debika Biswal
2010-2014	NASA Specialized Centers of Research (NSCOR) - Space Radiation Solid Cancer Risks and Biological Countermeasures, Panel Reviewer
2011	JHU SOM Clinical Practice Association – Clinical Documentation Excellence Program
2011	JHU SOM Clinical Practice Association – Compliance Committee
2011-2013	ASTRO Scientific Program Committee - Biology Subcommittee
2011-2013	NASA Space Radiation Cancer Risks - Ground-Based Studies in Space Radiobiology, Panel Reviewer
2011-2012	JHU SOM Clinical Practice Association – Compliance Committee
2011-2015	SKCCC Oncology Grand Rounds, Co-Organizer
2011-2017	SKCCC Educational Committee
2011-2021	SKCCC Service of Remembrance Steering Committee
2011-2021	SKCCC Oncology Animal Facility Advisory Committee
2012	DoD Prostate Cancer Research Program (PCRP) Clinical and Experimental Therapeutics-2 (CET-2), Ad Hoc Reviewer
2012	JHU John G. Rangos, Sr., Award for Creativity in Cancer Discovery, Reviewer
2012-2013	DoD PCRP Pathobiology-1, Scientist Reviewer
2012-2013	NSCOR - Space Radiation Solid Cancer Risks, Panel Progress Reviewer
2012-2013	JHU Patrick C. Walsh Prostate Cancer Research Fund, Scientist Reviewer
2012-2014	JHU SOM Biochemistry, Cellular & Molecular Biol. (BCMB) Thesis Committee – Eliah Shamir
2012-2014	Radiation Oncology Institute National Radiation Oncology Registry (NROR) Pilot Committee
2012-2018	ASTRO Radiobiology Practice Exam and Study Guide Committee of the Science Council
2012-2018	RSNA Research and Education (R&E) Foundation - Radiation Oncology Research Study Section
2013	The Halifax Project Task Force: A Broad-Spectrum Integrative Design for Cancer Prevention and Therapy – Genetic Instability Group
2013	Prostate Cancer UK Pilot Grant, Ad Hoc Reviewer
2013	DoD PCRP Pathobiology-1, Pre-application Reviewer
2013	JHU SOM CMM Graduate Board Oral Exam Committee – Rebecca Tweedell
2013-2015	SKCCC Clinical Research Review Committee
2013-2018	ASTRO Research Grants Evaluation Committee of the Science Council
2014	NSCOR - Space Radiation Solid Cancer Risks and Biological Countermeasures, Panel Reviewer
2014	DoD Lung Cancer Research Program (LCRP) Concept-Clinical and Experimental Therapeutics (CON-CET), Scientist Reviewer
2014	JHU SOM CMM Graduate Board Oral Exam Committee – Jacqueline Douglass
2014-2015	NIH NCI Loan Repayment Program - ZCA1 PCRB-A (A2) S, Ad Hoc Reviewer
2014-2015	ASTRO NROR Pilot Sites Working Group Committee
2014-2016	ASTRO Molecular Targeting and Radiation Therapy White Paper Committee
2014-2016	JHU SOM Radiation Oncology and Molecular Radiation Sciences Diversity Committee
2014-2017	JHU SOM BCMB Thesis Committee – Neil Neumann
2014-2021	JHU SOM Instructor/Assistant Professor Reappointment Review Committee
2014-2021	SKCCC JHU-Allegheny Health Network (AHN) Cancer Research Fund, Co-Director
2015	RSNA R&E Foundation – Radiation Oncology Research Study Section, Vice Chair
2015	JHU Radiation Oncology Breast Cancer Faculty Search Committee, Chair
2015	NIH NCI Program Special Emphasis Panel R03/R21 - ZCA1 SRB-C (M1) S, Ad Hoc Reviewer
2015	Israel Science Foundation, Ad Hoc Scientist Reviewer
2015	NIH NCI Radiation Therapy and Biology (RTB) SBIR/STTR - ZRG1 OTC-R (11), Ad Hoc Reviewer
2015	NIH NCI RTB R01/R21, Ad Hoc Reviewer
2015	JHU SOM CMM Graduate Board Oral Exam Committee – Mary Soliman
2015	JHU SOM Brady Urology R01 Grant Review Committee – Paula Hurley, PhD

2015-2016	JHU SOM Neurology Mentoring Committee – Anna Piotrowski, MD
2015-2016	NCI Division of Center Treatment and Diagnosis (DCTD) Lung Cancer Clinical Trials Working Group
2015-2018	JHU SOM CMM Thesis Committee, Chair – Haley Axelrod
2015-2019	JHU SOM BCMB Thesis Committee – Vanesa Silvestri
2015-2019	JHU SOM Radiation Oncology and Molecular Radiation Sciences Finance Committee
2015-2021	JHU SOM CMM Thesis Committee – Emily Chang
2015-2021	JHU SOM BCMB Thesis Committee – Michelle Levine
2015-2021	JHU Patrick C. Walsh Prostate Cancer Research Fund, Scientist Reviewer
2015-	ASTRO Scientific Program Committee - Biology Subcommittee
2015-	ECOG-ACRIN GU Committee
2016	Swiss and French Prostate Cancer Foundation-Movember Foundation, Ad Hoc Scientist Reviewer
2016	Flemish Cancer Society Kom op tegen Kanker (SU2C) , Ad Hoc Scientist Reviewer
2016	JHU SOM Brady Urology K01 Grant Review Committee – Brian Simons, DVM, PhD
2016	JHU SOM Brady Urology R01 Grant Review Committee – Shawn Lupold, PhD
2016	JHU SOM CMM Graduate Board Oral Exam Committee – Chin Siang Ong
2016-2017	ASTRO Science Council Steering Committee, Science Workshops Sub-Committee, Member
2016-2017	JHU SOM CMM Graduate Board Oral Exam Committee – Seva Khambadkone
2016-2018	RSNA R&E Foundation – Radiation Oncology Research Study Section, Chair
2016-2018	JHU Precision Medicine Center of Excellence (PMCoE) in Prostate Cancer, Board of Directors
2016-2019	ASCO Cancer Survivorship Committee
2016-2021	JHU Sol Goldman Pancreatic Cancer Research Fund, Scientist Reviewer
2016-2022	NIH NCI RTB R01, Charter Reviewer
2016-	MF Global Action Plan 6 – Initiative in Oligometastatic Prostate Cancer, Steering Committee, Chair
2017	Medical Research Council Molecular and Cellular Medicine Board – Ad Hoc Reviewer
2017	JHU SOM CMM Graduate Board Oral Exam Committee – Lauren Peiffer
2017	JHU SOM CMM Graduate Board Oral Exam Committee – Kim Rousseau
2017-2018	ASTRO Science Council Steering Committee, Science Workshops Sub-Committee, Vice Chair
2017-2020	RSNA Oncologic Imaging & Therapies Task Force – Cancer Biologist
2018	NCI Cancer Therapy Evaluation Program Experimental Therapeutics Clinical Trials Network (CTEP ETCTN) Radium-223 Project Team, Clinician
2018	JHU SOM CMM Graduate Board Oral Exam Committee – Jenna Glatzer
2018-2019	ASTRO Research Grants Evaluation Committee of the Science Council, Vice Chair
2018-2019	NRG Oncology Genitourinary (GU) Translational Science Co-Chair
2018-	ASTRO Corporate Relations Committee
2019-2020	JHU SOM Young Investigators Day Program (YIDP) Committee
2019-2021	AACR NextGen Grants for Transformative Cancer Research Scientific Review Committee
2019-2021	JHU SOM CMM Thesis Committee – Minh-Tam Pham
2019-2022	JHU SOM CMM Thesis Committee – James Barnett
2019-2023	JHU SOM BCMB Thesis Committee – Phillip Scott
2019-	JHU Physical Science Oncology Center (PSOC) Advisory Committee
2020	Prostate Cancer Canada-Movember Translation Acceleration Grant in Advanced Imaging Competition Review Panel, Reader
2020	KWF Kankerbestrijding - Dutch Cancer Society, Ad Hoc Reviewer
2020-2021	RSNA R&E Nominating Committee, Member at Large
2020-2021	ASTRO Research Grants Evaluation Committee of the Science Council, Chair
2020-2023	ASCO Conquer Cancer Foundation Grants Selection Committee
2020-2023	AACR Radiation Science and Medicine Working Group Steering Committee
2020-	ABR Radiation and Cancer Biology Committee, Member
2020-	NRG Oncology GU Translational Science Chair
2021	SAAK – Swiss Cancer Research Foundation, Ad Hoc Reviewer
2021-	JHU SOM CMM Thesis Committee – Mikaela Mallin
2022	NIH NCI Loan Repayment Program - ZCA1 PCRB-A (A2) 1, Ad Hoc Reviewer

2022	PCF TACTICAL Award Reviewer
2022	NIH NCI Molecular Cancer Diagnosis and Classification Study Section (MCDC), Ad Hoc Reviewer
2022-25	American Urological Association (AUA) Prostate Guidelines Committee
2022-	UM SOM MSTP Admissions and Advisory Committee (AAC), Member
2022-	ASTRO Research Funding Development Committee of the Science Council, Chair
2023	NIH NCI ROBIN Study Section, Ad Hoc Reviewer
2023	UM Greenebaum Comprehensive Cancer Center (GCCC) Director Search Committee
2023	AACR-Novocure Tumor Treating Fields Research Grants Scientific Review Committee, Chair
2023-	JHU SOM CMM Thesis Committee – Jenna Glatzer

Conference Organizer, Session Chair:

- 2010 RSNA National Meeting, Radiation Oncology & Radiobiology – Poster Session, Co-Chair
- 2010 RSNA National Meeting, Radiation Oncology & Radiobiology – GI Session, Co-Chair
- 2010 RSNA National Meeting, BOOST: Head & Neck – Integrated Science and Practice Session, Co-Chair
- 2011 JHU SOM Radiation Oncology and Molecular Radiation Sciences *Modulating Radiation Response - Cancer Fundamentals to Therapy* Symposium, Symposium Co-Chair
- 2011 ASTRO National Meeting, Session HH - Nanoparticles & Viruses in Radiotherapy Session, Co-Chair
- 2011 RSNA National Meeting, Radiation Oncology & Radiobiology – Biology Session, Co-Chair
- 2011 RSNA National Meeting, BOOST: Genitourinary – Integrated Science & Practice Session, Co-Chair
- 2012 ASTRO National Meeting, Session V - Translational Radiobiology Session, Co-Chair
- 2012-2013 Radiation Research Society (RRS) Annual Meeting Program Committee
- 2013 RRS National Meeting, Topical Review – Recent Advancements in Production of Genetically Engineered Mice Session, Chair
- 2013 RRS National Meeting, Symposium – Immune Modulation and Radiation Strategies - Improving Local and Abscopal Responses Session, Chair
- 2013 ASTRO National Meeting, Session F - DNA Damage and Repair: Novel Biological Principles and Targeted Radiosensitization Strategies Session, Co-Chair
- 2013 RSNA National Meeting, Radiation Oncology & Radiobiology – Genitourinary Session, Co-Chair
- 2013 RSNA National Meeting, BOOST: Genitourinary – Integrated Science & Practice Session, Co-Chair
- 2014 Prostate Cancer UK 11th Biennial Prostate Cancer Forum – Management: Low-Risk Disease Session, Co-Chair
- 2014 RRS National Meeting, Symposium – Radiation Response of Normal Tissue Stem Cells Session, Chair
- 2014 ASTRO National Meeting, Session SS X - Biology 3 - Biomarkers and Imaging, Co-Chair
- 2014 JHU SOM Radiation Oncology and Molecular Radiation Sciences Annual Research Retreat, Retreat Co-Organizer
- 2015 ASTRO National Meeting, Session EE - Biology V - Imaging and Circulating Biomarkers, Co-Chair
- 2016 3rd Amtrak Alliance - Baltimore-Philadelphia Prostate Cancer Summit – Localized Prostate Cancer Session, Chair
- 2016 ASTRO National Meeting, Session ePoster 14 - Biology – Translational Research: Risk Stratification and Prediction of Response Session, Discussant
- 2016 RRS National Meeting, Symposium – Lung Cancer Session, Chair
- 2017 American Radium Society (ARS) National Meeting, GU Poster Walk, Moderator
- 2017 NCI-ASTRO-SITC Immunotherapy Workshop – Incorporating Radiation Oncology into Immunotherapy, Workshop Co-Chair
- 2017 ASTRO National Meeting, Session ES – Altering the Natural History of Oligometastatic Prostate Cancer: "Reality versus Illusion" Session, Chair
- 2017 The 8th EMT International Association (TEMTIA) Meeting, Session 6 – EMT Regulatory Mechanisms I, Chair
- 2018 FDA-AACR-ASTRO Regulatory Science and Policy Workshop - Clinical Development of Drug-radiotherapy Combinations, Workshop Co-Chair
- 2018 ASTRO-AACR Tumor Microenvironment Workshop - Targeting the Tumor Microenvironment in Radiation Oncology, Immune Response Session, Chair
- 2018 ASCO Advantage Oncology Education for Industry Professionals – Advanced Prostate Cancer Program, Subject Matter Expert & Faculty
- 2019 Movember GAP6 Strategy Meeting – What's Hot and What's Not in Oligometasts, Chair
- 2019 ASCO Advantage Oncology Education for Industry Professionals – Localized Prostate Cancer Program, Subject Matter Expert & Faculty
- 2019 AACR National Meeting - Nonclinical Models of Cancer Minisymposia, Co-Chair
- 2019 ASCO National Meeting – Grant Writing Workshop, Mock Reviewer
- 2019 ASTRO Research Spotlight: ASTRO's Research Award Winners, Moderator
- 2019-2020 AUA-JHGBCI Bladder Cancer Symposium Steering Committee

- 2020-2021 ASCO Advantage Oncology Education for Industry Professionals – Prostate Cancer Basics Program, Subject Matter Expert & Faculty
- 2020-2021 ASCO Advantage Oncology Education for Industry Professionals – Advanced Prostate Cancer Program, Subject Matter Expert & Faculty
- 2021 RRS National Meeting, Topical Review – Effects of treatment delays due to COVID-19, Chair
- 2022 American Association of Physicists in Medicine (AAPM) National Meeting, Radiotherapy and the Immune System Session, Chair
- 2022 ASTRO National Meeting, Session - Biology 6 – Radiation and Cancer Biology, Co-Chair
- 2022-2023 ASTRO Annual Refresher Course, Faculty
- 2023- UM SOM Radiation Oncology Annual Research Symposium

Editorial Activities:

- 2015-2017 Cancer Research, Associate Editor – Breaking Advances
- 2018-2025 Cancer Research, Senior Editor
- 2018-2023 Journal of Clinical Oncology, Editorial Board

Ad Hoc Reviewer:

- 2008- International J. of Radiation Oncology Biology Physics
- 2008- Gynecologic Oncology
- 2009- Radiation Oncology
- 2009- Cancer Biology & Therapy
- 2009- Clinical Cancer Research
- 2009- British J. of Urology International
- 2010- The Prostate
- 2011- Journal of Visualized Experiments
- 2012- British J. of Cancer
- 2012- Laboratory Investigation
- 2012- PLoS ONE
- 2012- Current Medicinal Chemistry
- 2013- Biochimica et Biophysica Acta - General Subjects
- 2013- Cell Biology and Toxicology
- 2013- Translational Oncology
- 2013- Journal of Clinical Oncology
- 2013- American Journal of Respiratory and Critical Care Medicine
- 2013- Clinical Lung Cancer
- 2014- Translational Research
- 2014- Urology
- 2014- American Journal of Clinical Oncology
- 2014- International Journal of Radiation Biology
- 2014- Molecular Cancer Research
- 2014- Antiviral Research
- 2014- Cancer Research
- 2015- Nature Communications
- 2015- Oncotarget
- 2015- JAMA Oncology
- 2015- Aging
- 2015- European Urology
- 2015- Cancer
- 2016- Neoplasia
- 2016- Cells Tissues Organs
- 2016- Cancer Immunology Research
- 2016- Cureus
- 2016- Prostate Cancer and Prostatic Diseases

2017- Molecular Cancer Therapeutics
2017- Brachytherapy
2017- Journal of Clinical Investigation
2017- Trends in Pharmacological Sciences
2018- European Urology Oncology
2018- Proceedings of the National Academy of Sciences of the USA
2018- Science Translational Medicine
2018- Clinical and Experimental Metastasis
2019- Theranostics
2019- Nature Reviews Clinical Oncology
2019- Cancer Letters
2019- Biochimica et Biophysica Acta – Molecular Basis of Disease
2019- Experimental Cell Research
2020- Lancet Oncology
2020- Frontiers in Oncology
2020- Journal for ImmunoTherapy of Cancer
2020- Molecular Oncology
2020- JCI Insight
2021- JNCI Cancer Spectrum
2022- NPJ Precision Oncology
2023- eBioMedicine
2023- J Natl Cancer Inst
2023- Cell Reports

Publications (Google Scholar H-index 57; >11,650 citations):**Total as 1st/corresponding/senior author: 77 (44 original research)****Peer Reviewed Original Research:**

1. Tsutomu Nobori, Kenji Takabayashi, **Phuoc Tran**, Lisa Orvis, Ayse Batova, Alice L. Yu, and Dennis A. Carson. Genomic cloning of methylthioadenosine phosphorylase: A purine metabolic-enzyme deficient in multiple different cancers. **Proc Natl Acad Sci USA** 93 (1996) 6203-6208. PMID: 8650244; PMCID: PMC39214.
2. Hiroki Hori, **Phuoc Tran**, Carlos J. Carrera, Yasuko Hori, Michael D. Rosenbach, Dennis A. Carson and Tsutomu Nobori. Methylthioadenosine Phosphorylase cDNA Transfection Alters Sensitivity to Depletion of Purine in A549 Lung Cancer Cells. **Cancer Res** 56 (1996) 5653-5658. PMID: 8971171.
3. **Phuoc T. Tran**, Hiroki Hori, Yasuko Hori, Katsuzumi Okumura, Kazuhiro Kagotani, Hiroshi Taguchi, Dennis A. Carson and Tsutomu Nobori. Molecular cloning of the human methylthioadenosine phosphorylase processed pseudogene and localization to 3q28. **Gene** 186 (1997) 263-269. PMID: 9074505.
4. **Phuoc T. Tran** and R. Michael Liskay. Functional Studies on the Candidate ATPase Domains of *Saccharomyces cerevisiae* MutL-alpha. **Mol Cell Biol** 20 (2000) 6390-6398. PMID: 10938116; PMCID: PMC86114.
5. Jayson Bowers, **Phuoc T. Tran**, R. Michael Liskay, and Eric Alani. Analysis of yeast MSH2-MSH6 suggests that the initiation of mismatch repair can be separated into discrete steps. **J Mol Biol** 302 (2000) 327-338. PMID: 10970737.
6. **Phuoc T. Tran**, Jeffery A. Simon and R. Michael Liskay. Interactions of Exo1p with components of MutL-alpha in *Saccharomyces cerevisiae*. **Proc Natl Acad Sci USA** 98 (2001) 9760-9765. PMID: 11481425; PMCID: PMC55526.
7. Jayson Bowers, **Phuoc T. Tran**, Amita Joshi, R. Michael Liskay, and Eric Alani. MSH-MLH complexes formed at a DNA mismatch are disrupted by the PCNA sliding clamp. **J Mol Biol** 306 (2001) 957-968. PMID: 11237611.
8. **Phuoc T. Tran**, Naz Erdeniz, Sandra Dudley and R. Michael Liskay. Characterization of nuclease-dependent functions of Exo1p in *Saccharomyces cerevisiae*. **DNA Repair** 1 (2002) 895-912. PMID: 12531018.
9. Caroline Welz-Voegele, Jana E. Stone, **Phuoc T. Tran**, Hutton M. Kearney, R. Michael Liskay, Thomas D. Petes and Sue Jinks-Robertson. Alleles of the yeast *PMS1* mismatch repair gene that differentially affect recombination- and replication-related processes. **Genetics** 162 (2002) 1131-1145. PMID: 12454061; PMCID: PMC1462331.
10. Sumeet S. Chugh, Olga Senashova, Allison Watts, **Phuoc T. Tran**, Zhengfeng Zhou, Qiuming Gong, Jack L. Titus and Susan J. Hayflick. Postmortem Molecular Screening in Unexplained Sudden Death. **J Am Coll Cardiol** 43 (2004) 1625-1629. PMID: 15120823.
11. **Phuoc T. Tran**, Zheng Su, Percy Lee, Philip Lavori, Amreen Husain, Nelson Teng & Daniel S. Kapp. Prognostic Factors for Outcomes and Complications for Primary Squamous Cell Carcinoma of the Vagina Treated with Radiation. **Gynecol Oncol** 105 (2007) 641-649. PMID: 17363046.
12. **Phuoc T. Tran**, Zheng Su, Wendy Hara, Amreen Husain, Nelson Teng & Daniel S. Kapp. Long Term Survivors Using Intraoperative Radiation Therapy for Recurrent Gynecologic Malignancies. **Int J Radiat Oncol Biol Phys** 69 (2007) 504-511. PMID: 17560736.

13. **Phuoc T. Tran***, Julien Fey*, Naz Erdeniz*, Lionel Gellon, Serge Boiteux and R. Michael Liskay. A mutation in *EXO1* defines separable roles in DNA mismatch repair and post-replication repair. ***DNA Repair*** 6 (2007) 1572-1583. PMID: 17602897; PMCID: PMC2447855.
* - these authors contributed equally.
14. **Phuoc T. Tran***, Wendy Hara*, Zheng Su, H. Jill Lin, Pavan K. Bendapudi, Jeffrey Norton, Nelson Teng, Christopher R. King & Daniel S. Kapp. Intraoperative Radiation Therapy for Locally Advanced and Recurrent Soft Tissue Sarcomas in Adults. ***Int J Radiat Oncol Biol Phys*** 72 (2008) 1146-1153. PMID: 18394818.
* - these authors contributed equally.
15. **Phuoc T. Tran***, Alice C. Fan*, Pavan K. Bendapudi*, Shan Koh, Kim Komatsubara, Joy Chen, George Horng, David I. Bellovin, Sylvie Giuriato, Criag S. Wang, Jeffrey A. Whitsett and Dean W. Felsher. Combined Inactivation of MYC and K-ras Oncogenes Reverses Tumorigenesis in Lung Adenocarcinomas and Lymphomas. ***PLoS ONE*** 3 (2008) e2125. PMID: 18461184; PMCID: PMC2365560.
* - these authors contributed equally.
16. Wendy Hara, **Phuoc Tran**, Gordon Li, Zheng Su, Putipun Puataweepong, John Adler, Steven Chang, Scott Soltys and Iris C. Gibbs. Cyberknife for brain metastases of malignant melanoma and renal cell carcinoma. ***Neurosurgery*** 64 (2009) A26-32. PMID: 19165071.
17. Melissa Horoschak, **Phuoc T. Tran+**, Pavan Bachiredy, Robert B. West, David Mohler, Christopher Beaulieu, Daniel S. Kapp, and Sarah S. Donaldson. External beam radiation therapy enhances local control in pigmented villonodular synovitis. ***Int J Radiat Oncol Biol Phys*** 75 (2009) 183-187. PMID: 19211195.
+ - corresponding author.
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225. Zaker H. Rana, Nicole Helie, Caitlin Eggleston, Kaysee Baker, Jinhee Chang, Jason K. Molitoris, Melissa Vyfhuis, Matthew J. Ferris, Akshar N. Patel, Sarah McAvoy, Dan Kunaprayoon, Jack Hong, Young Kwok, Matthew P. Deek, Phil Suter, Rebecca A. Deek, Søren M. Bentzen, M. Minhaj Siddiqui, Heather Mannuel, Arif Hussain, Luigi Marchionni, Lei Ren, Amit Sawant, Nicole Simone, **Phuoc T. Tran+**, Mark V. Mishra+. Phase 2 randomized Total Eradication of metastatic lesions following definitive Radiation to the Prostate in de novo oligometastatic prostate cancer (TERPS) trial. *In preparation*.
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226. Rebecca Kre*, William Mendes*, Jason Molitoris, Matthew Ferris, Yang Song, Amol Shetty, Rane Mehra, John Papadimitriou, Kyle Hatten, Rodney Taylor, Jeffrey Wolf, Kai Sun, Søren M. Bentzen, William Regine, **Phuoc T. Tran+**, Matthew Witek+. Outcomes and Genomic Landscape of Patients Treated with Re-Irradiation for Recurrent Head and Neck Cancer Using Pencil Beam Scanning Proton Therapy: The Maryland Proton Treatment Center Experience. *In preparation*.
* - these authors contributed equally and + - corresponding authors
227. Matthew Deek*, Philip Suter*, Yuezhou Jing, Robert Gao, Emily Rothman, Heather Day, Melissa Bruce, Piet Dirix, Andrew Armstrong, Nicholas Howard, Fernando Lopez Campos, Matthew Ramotar, Antonio Conde-Moreno, Alejandro Berlin, Davide Giovanni Bosetti, Niall Corcoran, Bridget Koontz, Carole Mercier, Shankar Siva, David Pryor, Piet Ost, Mai Anh Huynh, Stephanie Kroeze, Bradley Stish, Ana Kiess, Bruce Trock, **Phuoc Tran**, Silke Gillessen, Christopher Sweeney. Multi-Institutional Analysis of Metastasis Directed Therapy With or Without Androgen Deprivation Therapy in Oligometastatic Castration Sensitive Prostate Cancer. *In preparation*.
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228. Ashley E Ross, Jingbin (Ivy) Zhang, Huei-Chung (Rebecca) Huang, Rikiya Yamashita, Jessica Keim-Malpass, PhD, Jeffry P. Simko, Sandy DeVries, Todd M. Morgan, Luis Souhami, Michael C. Dobelbower, L. Scott McGinnis, Christopher U. Jones, Robert T. Dess, Kenneth L. Zeitzer, Kwang Choi, Alan C. Hartford, Jeff M. Michalski, Adam Raben, Leonard G. Gomella, A. Oliver Sartor, Seth A. Rosenthal, Howard M. Sandler, Daniel E. Spratt, Stephanie L. Pugh, Osama Mohamad, Andre Esteva, Emmalyn Chen, Edward M. Schaeffer, **Phuoc T. Tran**, Felix Y. Feng. External validation of a digital pathology-based multimodal artificial intelligence model in the NRG/RTOG 9902 phase III trial. *In preparation*.

229. Kimberley S. Mak, Molly Scannell Bryan, James J. Dignam, William U. Shipley, Yue Lin, Christopher A. Peters, Elizabeth M. Gore, Seth A. Rosenthal, , Kenneth L. Zeitzer, David P. D'Souza, Eric M. Horwitz, Thomas M. Pisansky, Jordan M. Maier, Susan M. Chafe, Rachel A. Rabinovitch, Mack Roach, **Phuoc T. Tran**, Luis Souhami, Jeff M. Michalski, Alan C. Hartford, Felix Y. Feng, Howard M. Sandler, Jason A. Efstathiou. Cardiovascular Mortality and Duration of Androgen Deprivation in Locally Advanced Prostate Cancer: Long-Term Update of NRG/RTOG 92-02. *In preparation*.

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2. Patrick C. Walsh and Janet F. Worthington. (2012). Dr. Patick Walsh’s Guide to Surviving Prostate Cancer, 3rd Edition. Contributor to Chapter 9 – Radiation and Cryo/Thermal Ablation; and Chapter 10 – How Successful is Treatment of Localized Prostate Cancer? New York, NY, USA, Grand Central Life & Style, Hachette Book Group.
3. **Phuoc T. Tran** (2013). The Johns Hopkins Bulletins - Prostate Disorders. Radiation Therapy for Prostate Cancer: Evaluating The Treatment Options. New York, NY, USA. Remedy Health Media.
4. **Phuoc T. Tran**, Associate Editor (2013). 2013 ASTRO Radiation/Cancer Biology Practice Examination and Study Guide. Fairfax, VA, USA. ASTRO.
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5. **Phuoc T. Tran** (2013). The Johns Hopkins Bulletins - Prostate Disorders. Brachytherapy for Primary Prostate Cancer. New York, NY, USA. Remedy Health Media.
6. Patrick C. Walsh and Janet F. Worthington. (2018). Dr. Patick Walsh’s Guide to Surviving Prostate Cancer, 4th Edition. Contributor to Chapter 9 – Radiation and Cryo/Thermal Ablation; and Chapter 10 – How Successful is Treatment of Localized Prostate Cancer? New York, NY, USA, Grand Central Life & Style, Hachette Book Group.
7. Loren K. Mell, **Phuoc T. Tran**, James B. Yu and Qiang (Ed) Zhang. (2018). Principles of Clinical Cancer Research, 1st Edition. New York, NY, USA, Demos Medical Publishing, Springer Publishing.
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Abstracts:

1. **Phuoc T. Tran** and R. Michael Liskay. Genetic and biochemical investigation of the putative ATPase function(s) of MutL-alpha in the yeast *S. cerevisiae*. American Society of Microbiology, 1999 *DNA Repair and Mutagenesis* Meeting.
2. **Phuoc Tran** and R. Michael Liskay. MutL-alpha function in the yeast *S. cerevisiae*. Federation of American Societies for Experimental Biology: *Genetic Recombination and Chromosomal Rearrangements* Meeting (1999).
3. Andrew Buermeyer, **Phuoc Tran** and R. Michael Liskay. MutL homolog functions in yeast and mice. 2000 Keystone Symposium on *Molecular Mechanisms of DNA Replication and Recombination*.
4. **Phuoc T. Tran** and R. Michael Liskay. Genetic and biochemical investigation of the putative ATPase function(s) of MutL-alpha in the yeast *S. cerevisiae*. Presented at the 15th MD/PhD National Student Conference (2000).
5. Sumeet S. Chugh, Stacey Whitesel, **Phuoc Tran**, Mark Turner, Srinivasa Nagalla. Understanding Arrhythmogenesis Through Genomics: cDNA Microarray Analysis of Ventricular Myocardial Gene Expression in Heart Failure. 2001 North American Society of Pacing and Electrophysiology.

6. **Phuoc Tran** and R. Michael Liskay. Studies on the catalytic role of Exo1p and its recruitment by MutL-alpha during mismatch repair. Federation of American Societies for Experimental Biology: *Genetic Recombination and Chromosomal Rearrangements Meeting*.
7. **Phuoc T. Tran**, Sandra Dudley and R. Michael Liskay. Studies on the catalytic activities of Exo1p and their involvement during DNA mismatch repair. Presented in the "Repaurosomes" workshop at the 2002 Keystone Symposium on *Molecular Mechanisms of DNA Replication and Recombination*. **Keystone Abstract Scholarship**.
8. **Phuoc T. Tran**, Lionel Gellon, Serge Boiteux, Yijun Chen, Albert Koong and R. Michael Liskay. A mutation in *EXO1* defines separable roles in DNA mismatch repair and a MutL-alpha-independent DNA damage tolerance pathway. (2005) Gordon Research Conference: *Radiation Oncology*. **ASTRO awardee**.
9. **Phuoc T. Tran**, Zheng Su, Percy Lee, Philip Lavori, Nelson Teng & Daniel S. Kapp. Prognostic Factors for Outcomes and Complications for Primary Squamous Cell Carcinoma of the Vagina Treated with Radiation. **Poster discussion** for the American Society of Therapeutic Radiology and Oncology (ASTRO) 2006 national meeting.
10. Percy Lee, Lei Xing, Todd Pawlicki, **Phuoc T. Tran**, Albert Koong, and Karyn Goodman. Image-guided radiation therapy (RT) for rectal cancer using cone beam CT (CBCT). ASTRO 2006 national meeting.
11. Peter G. Maxim, **Phuoc T. Tran**, Annie Hsu, Megan Daley, Billy W. Loo, Raymond Wu, Todd Pawlicki & Quynh-Thu Le. Dosimetric Impact by Temporal Changes of the PTV in Head in Neck Cancers. ASTRO 2006 national meeting.
12. H. Jill Lin, **Phuoc T. Tran**, Shradha Budhiraja, Pavan K. Bendapudi, Dean W. Felsher, and David S. Paik. Significance of tumor types on quantitative temporo-volumetric and positional information in lung adenocarcinoma in transgenic mice. Joint Molecular Imaging Conference 2007.
13. **Phuoc T. Tran**, Jill Lin, Pavan Bendapudi, Shan Koh, Kim Komatsubara, George Horng, Joy Chen, Cathy Shachaf, David Paik & Dean W. Felsher. Predictive modeling of tumor regression kinetics using a murine model of oncogene-addicted lung cancers. ASTRO 2007 national meeting. **Resident Poster Recognition Award (Top 3 posters)**.
14. Wendy Hara, **Phuoc T. Tran**, Zheng Su, Jill Lin, Jeffrey Norton, Nelson Teng, Christopher King, Don Goffinet & Daniel S. Kapp. Intraoperative Radiation Therapy for Soft Tissue Sarcomas. ASTRO 2007 national meeting.
15. George S. Horng, **Phuoc T. Tran**, Joy Chen, Pavan K. Bendapudi, Jill Lin, and Dean W. Felsher. S-transfarnesylthiosalicylic Acid (FTS) Inhibits Growth of *K-Ras4b^{G12D}* and MYC Induced Primary Lung Adenocarcinoma in Conditional Mouse Models of Malignancy. American Thoracic Society 2008 meeting.
16. H. Jill Lin, **Phuoc T. Tran**, Pavan K. Bendapudi, Joy Chen, George Horng, Dean W. Felsher, David S. Paik. A Predictive Model of Oncogene-Addiction. World Molecular Imaging Conference 2008.
17. H. Jill Lin, **Phuoc T. Tran**, Pavan K. Bendapudi, Joy Chen, George Horng, Dean W. Felsher, David S. Paik. A Mathematical Model of the Escape Mechanism that Differentiates the Behavior of Oncogene- and Non-Oncogene Addicted Tumor Cells. World Molecular Imaging Conference 2008.
18. **Phuoc T. Tran**, Joy Chen, Peter Choi, George Horng and Dean W. Felsher. MYC Potentiates DNA Damage Response Dependent Cellular Senescence. ASTRO 2008 national meeting. **Helena Anna Henzl Gabor Science Fund Travel Grant**.

19. **Phuoc T. Tran**, H. Jill Lin, Pavan Bendapudi, Shan Koh, Joy Chen, George Horng, David Paik and Dean Felsher. Mathematical modeling of survival and death signals predicts oncogene addiction. ASTRO Translational Symposium 2008. **ASTRO Translational Symposium Travel Grant.**
20. Christine Chang, Lisa Zhou, Gillian McFarlane, **Phuoc Tran**, Aarti Rao, Christopher Chapman, Quynh-Thu Le, Heather Wakelee, A. Dimitrios Colevas, Richard Whyte, Dimitre Hristov, Sonja Dieterich, Peter Maxim, Billy W. Loo, Jr. Excellent early local control with tumor volume adapted dosing of stereotactic body radiation therapy for pulmonary tumors. World Conference on Lung Cancer 2009.
21. Carsten H. Nielsen, Nadia Withofs, Richard H Kimura, **Phuoc T. Tran**, Jennifer Cochran, Zhen Cheng, Dean Felsher, Juergen K. Willmann and Sanjiv S. Gambhir. Imaging of Tumor Neovascularization in Transgenic Mouse Models Using a Novel PET ⁶⁴Cu-DOTA-Knottin Peptide. World Molecular Imaging Conference 2009.
22. Diane Tseng, Leeland P. Rachakonda, Zheng Su, Ranjana Advani, Sandra Horning, Saul A. Rosenberg, Richard T. Hoppe, Andrew Quon, Edward E. Graves, Billy W. Loo, Jr, **Phuoc T. Tran**. Mid-treatment metabolic tumor volume predicts progression and death among patients with Hodgkin's disease. ASTRO 2010 national meeting. **ARRO Poster Walk with a Professor.**
23. **Phuoc T. Tran**, Emelyn H. Shroff, Saravanan Thiyagarajan, Sandhya T. Das, Yoon-Jae Cho, Joy Chen, Richard Luong, Silvestre Vicent, Carsten H. Nielsen, Tarek Salih, Stacey J. Adam, Alejandro Sweet-Cordero, Sanjiv S. Gambhir and Dean W. Felsher. Reactivation of oncogene-induced senescence in *Kras* lung tumors by inhibition of *Twist1*. ASTRO 2010 national meeting. **ASTRO National Meeting Abstract Award.**
24. Pavan Bachiredy, Diane Tseng, Melissa Horoschak, Daniel T. Chang, Albert C. Koong, Daniel S. Kapp, **Phuoc T. Tran**. Intraoperative Radiation Therapy for Pancreatic Adenocarcinoma. RSNA 2010 national meeting.
25. Tarek Salih, Khaled Aziz, Saravanan Thiyagarajan, Michael Armour, Banusaraswathy Shanmugam, Jing Zeng, Stacey J. Adam, Dean W. Felsher, **Phuoc T. Tran**. Statins radiosensitize MYC over-expressing prostate cancer cells. American Biomedical Research Conference for Minority Students 2010.
26. Tarek Salih, Khaled Aziz, Saravanan Thiyagarajan, Michael Armour, Banusaraswathy Shanmugam, Jing Zeng, Stacey J. Adam, Dean W. Felsher, Theodore L. DeWeese, **Phuoc T. Tran**. Statins radiosensitize MYC over-expressing prostate cancer cells. ASCO GU Cancers Symposium 2011.
27. Tarek Salih, Khaled Aziz, Saravanan Thiyagarajan, Michael Armour, Banusaraswathy Shanmugam, Jing Zeng, Stacey J. Adam, Dean W. Felsher, Theodore L. DeWeese, **Phuoc T. Tran**. MYC levels correlate with statin radiosensitization of PC3 prostate cancer cells. ASTRO 3B Research Forum: Benchtop to Bedside and Back 2011.
28. Jing Zeng, Alfred P. See, Jillian Phallen, Z. Belcaid, N. Durham, Eric Ford, **Phuoc T. Tran**, Drew Pardoll, Charles Drake and Michael Lim. Combining Anti-PD-1 (B7-H1) Immunotherapy with Stereotactic Radiosurgery in a Mouse Orthotopic Glioblastoma Model. JHU Radiation Oncology and Molecular Radiation Sciences Departmental Symposium 2011. **1st Place Poster Award.**
29. T. F. Burns, I. Dobromilskaya, S. Murphy, S. Thiyagarajan, **P. T. Tran**, C. M. Rudin. Reactivation of oncogene-induced senescence in *KRAS* mutant human non-small lung cancer by inhibition of *TWIST1*. 11th Annual Targeted Therapies for the Treatment of Lung Cancer Meeting 2011.

30. T. F. Burns, I. Dobromilskaya, S. Murphy, S. Thiyagarajan, S. Das, **P. T. Tran**, C. M. Rudin. Reactivation of oncogene-induced senescence in *KRAS* mutant non-small lung cancer by inhibition of *TWIST1*. ASCO 2011 National Meeting.
31. Jing Zeng, Khaled Aziz, Michael Armour, Blake Aftab, Sivarajan Chettiar, Rajendra Gajula, Tarek Salih, Charles Rudin, **Phuoc Tran** and Russell Hales. Hedgehog inhibitor and radiotherapy in non-small cell lung cancer. ASCO 2011 National Meeting. **ASCO 2011 Oncology Trainee Travel Award.**
32. Khaled Aziz, Tarek Salih, Saravanan Thiyagarajan, Michael Armour, Jing Zeng, Rajendra Gajula, Sivarajan Chettiar, Russell Hales, Theodore DeWeese, **Phuoc T. Tran**. Statins radiosensitize Myc over-expressing prostate cancer cells. ASTRO 2011 National Meeting.
33. Jing Zeng, Alfred P. See, Khaled Aziz, Tarek Salih, Rajendra P. Gajula, Stephanie Terezakis, Lawrence Kleinberg, Kristen Redmond, **Phuoc T. Tran** and Michael Lim. Nelfinavir Induces Radiation Sensitization in Pituitary Adenoma Cells. ASTRO 2011 National Meeting.
34. Jing Zeng, Alfred P. See, Jillian Phallen, Z. Belcaid, N. Durham, Eric Ford, **Phuoc T. Tran**, Drew Pardoll, Charles Drake and Michael Lim. Combining Anti-PD-1 (B7-H1) Immunotherapy with Stereotactic Radiosurgery in a Mouse Orthotopic Glioblastoma Model. ASTRO 2011 National Meeting. **ASTRO National Meeting Abstract Award.**
35. **Phuoc T. Tran**, Rajendra P. Gajula, Sivarajan Chettiar, Saravanan Thiyagarajan, Khaled Aziz, Tarek Salih, Michael Armour, Jing Zeng, Steven An and Russell Hales. Structure-function studies of the bHLH and transactivation domains of the *Twist1* oncogene. ASTRO 2011 National Meeting.
36. Jing Zeng, Khaled Aziz, Michael Armour, Blake Aftab, Sivarajan Chettiar, Rajendra Gajula, Tarek Salih, Charles Rudin, **Phuoc Tran** and Russell Hales. Hedgehog inhibitor and radiotherapy in non-small cell lung cancer. ASTRO 2011 National Meeting.
37. **Phuoc T. Tran**, Emelyn H. Shroff, Timothy F. Burns, Saravanan Thiyagarajan, Sandhya T. Das, Tahera Zabuwala, Joy Chen, Yoon-Jae Cho, Richard Luong, Pablo Tamayo, Tarek Salih, Khaled Aziz, Stacey J. Adam, Silvestre Vicent, Carsten H. Nielsen, Nadia Withofs, Alejandro Sweet-Cordero, Sanjiv S. Gambhir, Charles M. Rudin and Dean W. Felsher. Reactivation of oncogene-induced senescence in autochthonous *Kras* lung tumors. 5th Biennial TEMTIA Meeting 2011. **TEMTIA Meeting Best Poster Award.**
38. David I. Bellovin, **Phuoc T. Tran**, Stacey J. Adam, Andrew J. Gentles, Stephanie Roessler, Saravanan Thiyagarajan, Khaled Aziz, Sivarajan Chettiar, Richard Luong, Sylvia K. Plevritis, Ash A. Alizadeh, Xin Wei Wang and Dean W. Felsher. A Transgenic Model of Twist1-induced Metastasis is Associated with a Gene Signature that is Prognostic in Patients with Hepatocellular Carcinoma. 5th Biennial TEMTIA Meeting 2011. **TEMTIA Meeting Travel Award.**
39. Jing Zeng, Alfred P. See, Jillian Phallen, Zineb Belcaid, Nicholas Durham, Christian Meyer, Yu Hua, Emilia Albesiano, Gustavo Pradilla, Eric Ford, Hans Hammers, Betty Tyler, Henry Brem, Andrew T. Parsa, **Phuoc T. Tran**, Drew Pardoll, Charles G. Drake, Michael Lim. Combining Anti-PD-1 (B7-H1) Immunotherapy with Stereotactic Radiosurgery in a Mouse Orthotopic Glioblastoma Model. Society of NeuroOncology 2011 Meeting.
40. Aaron T. Wild, Ariel E. Marciscano, Manuel Hidalgo, Daniel A. Laheru, Dung Le, Amy Hacker-Prietz, Mark A. Ziegler, Barish H. Edil, **Phuoc T. Tran**, Lei Zheng, Timothy M. Pawlik, Richard D. Schulick, Christopher L. Wolfgang, Joseph M. Herman. Preliminary results of a phase II study of erlotinib combined with adjuvant chemoradiation and chemotherapy in patients with resectable pancreatic cancer. AACR-NCI-EORTC Conference on Molecular Targets and Cancer Therapeutics 2011.

41. Jing Zeng, Alfred P. See, Jillian Phallen, Zineb Belcaid, Nicholas Durham, Christian Meyer, Timothy Harris, Emilia Albesiano, Gustavo Pradilla, Eric Ford, John Wong, Hans Hammers, Betty Tyler, Henry Brem, **Phuoc T. Tran**, Drew Pardoll, Charles G. Drake, Michael Lim. Combining Anti-PD-1 (B7-H1) Immunotherapy with Stereotactic Radiosurgery in a Mouse Orthotopic Glioblastoma Model. ICTR-PHE 2012 Meeting. **Oral presentation.**
42. **Phuoc T. Tran**, Jing Zeng, Khaled Aziz, Michael Armour, Blake Aftab, Sivarajan Chettiar, Rajendra Gajula, Tarek Salih, Nishant Gandhi, John Wong, Charles Rudin, and Russell Hales. Hedgehog pathway inhibition and radiotherapy for non-small cell lung cancer. ICTR-PHE 2012 Meeting. **Oral presentation.**
43. Aaron T. Wild, Ani Balmanoukian, Daniel A. Laheru, Lei Zheng, **Phuoc T. Tran**, Amy Hacker-Prietz, Susannah G. Yovino, Rachit Kumar, Mark A. Ziegler, Timothy M. Pawlik, Christopher L. Wolfgang, Stuart A. Grossman, Joseph M. Herman. Effect of chemoradiation-related lymphopenia on survival in patients with unresectable, locally advanced pancreatic adenocarcinoma. ASCO GI Cancers Symposium 2012.
44. T. F. Burns, I. Dobromilskaya, S. C. Murphy, R. P. Gajula, K. Aziz, Y-J. Cho, **P. T. Tran**, C. M. Rudin. TWIST1 is a critical mediator of *KRAS* mutant tumorigenesis in human non-small lung cancer. AACR Annual Meeting 2012.
45. David I. Bellovin, **Phuoc T. Tran**, Stacey J. Adam, Andrew J. Gentles, Xin W. Wang and Dean W. Felsher. Transgenic mouse model of Twist1-induced metastasis reveals genes highly prognostic for human hepatocellular carcinoma. AACR Annual Meeting 2012.
46. Guus M. Bol, **Phuoc T. Tran**, Farhad Vesuna, Min Xie, Paul J. van Diest and Venu Raman. RK-33, a novel small molecule for lung cancer therapy via inhibition of NHEJ. AACR Annual Meeting 2012.
47. Wild AT, Kim K, Khashab MA, Shin EJ, Canto MI, Laheru DA, Ziegler MA, **Tran PT**, Pawlik TM, Wolfgang CL, Herman JM. Stereotactic Body Radiation Therapy as a Novel Treatment Option for Locally Recurrent Pancreatic Cancer after Failure of Definitive Multimodality Therapy. 46th Annual 2012 Meeting of the Pancreas Club, San Diego, CA.
48. Wild AT, Balmanoukian AS, Laheru DA, Zheng L, **Tran PT**, Hacker-Prietz A, Yovino S, Kumar R, Ziegler MA, Pawlik TM, Wolfgang CL, Grossman SA, Herman JM. Effect of chemoradiation-related lymphopenia on survival in patients with unresectable, locally advanced pancreatic adenocarcinoma. 46th Annual 2012 Meeting of the Pancreas Club, San Diego, CA.
49. Wild AT, Yovino S, Smith JA, Ziegler MA, Laheru DA, Zheng L, Balmanoukian AS, **Tran PT**, Pawlik TM, Wolfgang CL, Grossman SA, Herman JM. Degree of chemoradiation-associated lymphopenia is related to radiation field size in patients with locally advanced pancreatic cancer. American Radium Society (ARS) Meeting 2012.
50. Russell Hales, Khaled Aziz, Blake Aftab, Sivarajan Chettiar, Rajendra Gajula, Nishant Gandhi, Tarek Salih, Charles M. Rudin, **Phuoc Tran** and Jing Zeng. Hedgehog pathway inhibition radiosensitizes non-small cell lung cancers through tumor-microenvironment interaction. 2012 Chicago Multidisciplinary Symposium in Thoracic Oncology.
51. **P.T. Tran**, N. Gandhi, A.T. Wild, K. Aziz, S. Chettiar, R. Gajula, J. Zeng, J. Herman, T.L. DeWeese, R.K. Hales. Hsp90 inhibitor NVP-AUY922 radiosensitizes prostate cancer cells in vitro and in vivo. 58th Annual 2012 Radiation Research Society (RRS) Meeting.
52. Wild AT, Kim KJ, Tryggestad E, Roland T, Shin EJ, **Tran PT**, Kumar R, Wong J, Khashab MA, Herman JM. Utility of fiducials in image-guided SBRT for patients with locally advanced pancreatic cancer: Analysis of visibility and migration. **Poster discussion** for the ASTRO 2012 national meeting.

53. A.T. Wild, S.M. Hiniker, M.R. Limaye, D.T. Chang, D.A. Laheru, **P.T. Tran**, T.M. Pawlik, C.L. Wolfgang, A.C. Koong, J.M. Herman. SBRT as a novel treatment option for locally recurrent pancreatic cancer after failure of definitive multimodality therapy: A multi-institutional case series. ASTRO 2012 National Meeting.
54. Wild AT, Gandhi N, Aziz KA, Chettiar ST, Gajula RP, Kumar R, Torbenson MS, Hales RK, Herman JM, **Tran PT**. Concurrent versus sequential sorafenib therapy in combination with radiation for hepatocellular carcinoma: A preclinical study. ASTRO 2012 National Meeting.
55. Sara Alcorn, Jonathan Katzman, Erik Tryggestad, Teboh Roland, Sarah Han-Oh, **Phuoc Tran**, Todd McNutt, Russell Hales. Multi-site assessment of the utility of daily cone beam-CT in achieving clinical radiotherapy setup margin. ASTRO 2012 National Meeting.
56. Sara Alcorn, Erik Tryggestad, Teboh Roland, Sarah Han-Oh, **Phuoc Tran**, Todd McNutt, Danny Song, Russell Hales. Utility of daily cone beam CT in predicting setup within clinical CTV-PTV margins in lung radiotherapy. ASTRO 2012 National Meeting.
57. Susan M. Hiniker, Audrey Roux, James Murphy, **Phuoc T. Tran**, Daniel S. Kapp, Elizabeth Kidd. Primary Squamous Cell Carcinoma of the Vagina: Prognostic Factors, Treatment Patterns, and Outcomes. ASTRO 2012 National Meeting.
58. N. Gandhi, A.T. Wild, K. Aziz, S. Chettiar, R. Gajula, J. Zeng, J. Herman, T.L. DeWeese, R.K. Hales, **P.T. Tran**. Novel Hsp90 inhibitor NVP-AUY922 radiosensitizes prostate cancer cells. ASTRO 2012 National Meeting. **Poster discussion** for the ASTRO 2012 national meeting.
59. Rajendra Gajula, Sivarajan Chettiar, Russell Williams, Saravanan Thiyagarajan, Khaled Aziz, Nishant Gandhi, Aaron Wild, Tarek Salih, Yoshinori Kato, Jessica Cades, Elana Fertig, Christine Chung¹, Joseph Herman, Russell Hales, Charles Rudin, Steven An, **Phuoc T. Tran**. The Twist box domain is required for Twist1-induced metastasis of prostate cancer cells. AACR Tumor Invasion and Metastasis Meeting 2013.
60. Katherine Y. Fan, Aaron T. Wild, Daniel A. Laheru, Timothy M. Pawlik, Lei Zheng, Dung T. Le, **Phuoc T. Tran**, Avani Dholakia, Rachit Kumar, Susannah G. Yovino, Amy Hacker-Prietz, Zeshaan Rasheed, Ana De Jesus-Acosta, Matthew J. Weiss, Martin A. Makary, John L. Cameron, Ralph H. Hruban, Elliott K. Fishman, Christopher L. Wolfgang, Joseph M. Herman. Phase II Study of Erlotinib Combined with Adjuvant Chemoradiation and Chemotherapy for Resectable Pancreatic Cancer. ASCO GI Cancers Symposium 2013.
61. Katherine Y. Fan, Aaron T. Wild, Amy Hacker-Prietz, Laura Wood, Amanda L. Blackford, **Phuoc T. Tran**, Rachit Kumar, Susannah Ellsworth, Avani Dholakia, Lei Zheng, Dung T. Le, Ana De Jesus-Acosta, Zeshaan Rasheed, Martin A. Makary, Matthew J. Weiss, John L. Cameron, Timothy M. Pawlik, Daniel A. Laheru, Ralph H. Hruban, Elliott K. Fishman, Christopher L. Wolfgang, Joseph M. Herman M.D. Treating Pancreatic Cancer Patients with Erlotinib Based Adjuvant Therapy Following Pancreaticoduodenectomy or Pancreatectomy. **Oral presentation** for the ARS Meeting 2013.
62. Rajendra P. Gajula, Sivarajan T. Chettiar, Russell D. Williams, Saravanan Thiyagarajan, Yoshinori Kato, Khaled Aziz, Ruofei Wang, Nishant Gandhi, Aaron T. Wild, Farhad Vesuna, Jinfang Ma, Tarek Salih, Jessica Cades, Elana Fertig, Shyam Biswal, Timothy F. Burns, Christine Chung, Charles M. Rudin, Venu Raman, Joseph M. Herman, Russell K. Hales, Steven An, **Phuoc T. Tran**. The Twist box is required for Twist1-induced prostate cancer metastasis. AACR Annual Meeting 2013.
63. Sanjay Chandrasekaran, Gary D. Kao, David Steinmetz, Emigdio Reyes, Xiangsheng Xu, Nishant Gandhi, **Phuoc T. Tran**, Jay F. Dorsey, Stephen M. Hahn. Towards “Personalized Medicine”? : A Novel Live-cell Assay for Detecting Both Epithelial and Non-epithelial Circulating Tumor Cells. NCI-ASTRO Technology in Radiation Oncology Conference 2013.

64. Katherine Y. Fan, Avani S. Dholakia, Aaron T. Wild, Zheng Su, Amy Hacker-Prietz, Rachit Kumar, Mary Hodgins, Charles C. Hsu, Dung T. Le, Ana De Jesus-Acosta, Luis A. Diaz Jr., Daniel A. Laheru, Ralph H. Hruban, Elliot K. Fishman, Todd D Brown, Timothy M. Pawlik, Christopher L. Wolfgang, **Phuoc T. Tran**, Joseph M. Herman. Hemoglobin-A1c level predicts for clinical outcomes in patients with pancreatic cancer. ASCO 2013 National Meeting.
65. Wild AT, Dholakia AS, Fan KY, Kumar R, Laheru DA, Diaz LA Jr., Zheng L, Le DT, De Jesus-Acosta A, Ellsworth S, Hacker-Prietz A, Voong KR, Weiss MJ, Hruban RH, **Tran PT**, Cameron JL, Pawlik TM, Wolfgang CL, Herman JM. Efficacy of platinum chemotherapy agents in the adjuvant setting for adenocarcinoma of the pancreas. ASCO 2013 National Meeting.
66. **Phuoc T. Tran**, David I. Bellovin, Stacey J. Adam, Andrew J. Gentles, Stephanie Roessler, Saravanan Thiagarajan, Khaled Aziz, Sivarajan Chettiar, Richard Luong, Sylvia K. Plevritis, Ash A. Alizadeh, Xin Wei Wang and Dean W. Felsher. Twist1 Induces the Step-wise Malignant Progression of Liver Cancer in Transgenic Mice Revealing a Prognostic 19-Gene Signature for Humans. **Poster discussion** for the ASTRO 2013 National Meeting.
67. Sanjay Chandrasekaran, Nishant Gandhi, David Steinmetz, Russell Williams, Robert A. Lustig, Michelle Alonso-Basanta, **Phuoc T. Tran**, Gary D. Kao, Jay F. Dorsey, Stephen M. Hahn. Detection of Circulating Tumor Cells of Non-Epithelial Origin: A Bench to Bedside Approach. **Oral presentation** for the ASTRO 2013 National Meeting.
68. Wild AT, Bellovin B, Chettiar ST, Gandhi NG, Gajula RP, Williams RD, Cades JA, Walker A, Felsher D, Herman JM, **Tran PT**. Twist1 overexpression induces resistance to sorafenib in hepatocellular carcinoma cells. ASTRO 2013 National Meeting.
69. S.T. Chettiar, R.P. Gajula, R. Williams, N. Gandhi, S. Thijagarajan, K. Aziz, A.T. Wild, Y. Kato, J.M. Herman, R.K. Hales, S. An and **P.T. Tran**. Structure-function studies of the phosphorylated bHLH domain of the Twist1 oncoprotein for prostate cancer metastasis. **Poster discussion** for the ASTRO 2013 National Meeting.
70. Wild AT, Ellsworth SG, Ford E, Dholakia AS, Fan KY, Kumar R, Ye X, **Tran PT**, Grossman SA, Herman JM. Stereotactic body radiation therapy results in less severe treatment-related lymphopenia than conventional chemoradiation therapy in patients with locally advanced pancreatic cancer. ASTRO 2013 National Meeting. **Oral presentation** for the ASTRO 2013 National Meeting.
71. Avani S. Dholakia, Rachit Kumar, Siva P. Raman, Susannah G. Yovino, Aaron T. Wild, Katharine Y. Fan, Amy Hacker-Prietz, **Phuoc T. Tran**, Christopher L. Wolfgang, Joseph M. Herman. Mapping Patterns of Local Failure Following Pancreaticoduodenectomy for Pancreatic Cancer: A New Approach to Adjuvant Radiation Fields. ASTRO 2013 National Meeting. **Oral presentation** for the ASTRO 2013 National Meeting.
72. T. J. Harris, C. Jackson, N. Gandhi, **P. Tran**, C. G. Drake. Immune Checkpoint Upregulation Following Radiotherapy: Rationale For Combining Radiotherapy With Multiple Immune Checkpoint Blockades. **Oral presentation** for the ASTRO 2013 National Meeting.
73. R.P. Gajula, S.T. Chettiar, R. Williams, N. Gandhi, A.T. Wild, S. Thijagarajan, K. Aziz, Y. Kato, D. Lee, J. Cades, E. Fertig, B. Firulli, C. Rudin, R.K. Hales, J.M. Herman, A. Firulli, S. An, **P.T. Tran**. The Twist1 bHLH phosphorylation domain is required for Twist1-induced metastasis of prostate cancer. 59th Annual 2013 RRS Meeting.

74. A. Annadanam, S.T. Chettiar, N. Gandhi, A. Wild, J. Herman, **P.T. Tran**. Hsp90 Inhibitor Ganetespib Radiosensitizes Liver Cancer Cells. Biomedical Engineering Society (BMES) Annual Meeting 2013.
75. Rajendra Gajula, Sivarajan Chettiar, Russell Williams, Saravanan Thiyagarajan, Yoshinori Kato, Khaled Aziz, Ruoqi Wang, Nishant Gandhi, Aaron Wild, Farhad Vesuna, Jinfang Ma, Tarek Salih, Jessica Cades, Elana Fertig, Shyam Biswal, Timothy F. Burns, Christine Chung, Charles Rudin, Venu Raman, Joseph Herman, Russell K. Hales, Steven An, **Phuoc T. Tran**. The Twist box domain is required for TWIST1-induced metastasis of prostate cancer cells. 20th Annual Prostate Cancer Foundation (PCF) Meeting 2013.
76. Rajendra Gajula, Sivarajan Chettiar, Russell Williams, Saravanan Thiyagarajan, Khaled Aziz, Nishant Gandhi, Aaron Wild, Yoshinori Kato, Elana Fertig, Charles Rudin, Venu Raman, Steven An, **Phuoc T. Tran**. The Twist box domain is required for TWIST1-induced metastasis of prostate cancer cells. 6th Biennial TEMTIA Meeting 2013.
77. Eliah R. Shamir, **Phuoc T. Tran** and Andrew J. Ewald. Building a novel molecular model for Twist1-induced epithelial dissemination. AACR Frontiers in Basic Cancer Research 2013.
78. Sarah Manmiller, Sivarajan T Chettiar, Anvesh Annadanam, Rajendra Gajula, Russell Williams, **Phuoc T. Tran**. Determining the Significance of Trim28 for Twist1-induced Epithelial-Mesenchymal Transition. American Biomedical Research Conference for Minority Students 2013.
79. Debasish Sundi, Vinson Wang, Phillip M. Pierorazio, Misop Han, Alan W. Partin, **Phuoc T. Tran**, Ashley E. Ross, Trinity J. Bivalacqua. Identification of men with the highest risk of early disease recurrence after radical prostatectomy. Society of Urologic Oncology (SUO) Annual Meeting 2013.
80. Sarah N.H. Chatley, Jessica A. Cades, Neil Neumann, Lucia Mazzacurati, Zachary Yochum, Katriana Nugent, Yoon-Jae Cho, Andrew Ewald, Charles M. Rudin, **Phuoc T. Tran** and Timothy F. Burns. Screening for TWIST1 inhibitors as a novel therapy for oncogene driven lung cancer. AACR-IASLC Joint Conference on the Molecular Origins of Lung Cancer 2014.
81. Aaron T. Wild, Avani S. Dholakia, Katherine Yu-Ting Fan, Rachit Kumar, Daniel A. Laheru, Lei Zheng, Ana De Jesus-Acosta, Susannah G. Ellsworth, Amy Hacker-Prietz, K Ranh Voong, Ralph H. Hruban, **Phuoc T. Tran**, Timothy M. Pawlik, Christopher L. Wolfgang, Joseph M. Herman. Efficacy of platinum chemotherapy agents in the adjuvant setting for adenosquamous carcinoma of the pancreas. ASCO GI Cancers Symposium 2014.
82. David I. Bellovin, Stacey J. Adam, Meital Gabay, Sivarajan T. Chettiar, Stephanie Roessler, Russell D. Williams, Julia Arzeno, Katriana Nugent, Andrew J. Gentles, Richard Luong, Ash A. Alizadeh, Xin W. Wang, Dean W. Felsher, **Phuoc T. Tran**. Twist1 Induces the Step-wise Malignant Progression of Liver Cancer in Transgenic Mice Revealing a Prognostic 19-Gene Signature for Humans. Cold Spring Harbor Laboratories Meeting – Mechanisms and Models of Cancer 2014.
83. Kekoa Taparra, Katriana Nugent, Hailun Wang, Reem Malek, Dean W. Felsher, **Phuoc T. Tran**. Snail accelerates Kras^{G12D} driven lung tumorigenesis by overcoming oncogene-induced senescence. Cold Spring Harbor Laboratories Meeting – Mechanisms and Models of Cancer 2014.
84. Rajendra P. Gajula, Russell D. Williams, Reem Malek, Katriana Nugent, Amanda J. Walker, Sivarajan T. Chettiar, Hailun Wang, Kekoa Taparra, Jessica Cades, Steven An, Joseph M. Herman, **Phuoc T. Tran**. A TWIST1-MLL-HOTTIP complex regulates *HOXA9* chromatin to facilitate metastasis in prostate cancer. **Poster discussion** for the ASTRO 2014 National Meeting.

85. Narang AK, Ram AN, Robertson S, Hei P, Griffith E, Singh H, DeWeese, TA, Honig, S, McNutt T, Song DY, **Tran PT**, DeWeese TL. End of treatment PSA as a novel prognostic factor in patients undergoing definitive radiation for prostate cancer. ASTRO 2014 National Meeting.
86. Ram AN, Robertson S, Narang AK, Hei P, Griffith E, Singh H, DeWeese TA, Honig S, McNutt T, DeWeese TL, Song DY, **Tran PT**. Prognostic value of PSA nadir in patients undergoing definitive radiation for prostate cancer. ASTRO 2014 National Meeting.
87. Robertson S, Narang AK, Ram AN, He P, Griffith E, Singh H, DeWeese TA, Honig S, McNutt T, **Tran PT**, DeWeese TL, Song DY. Prognostic and therapeutic implications of PNI in prostate cancer patients undergoing definitive radiation. ASTRO 2014 National Meeting.
88. Amanda J. Walker, Chris Nirschle, Katriana Nugent, Tom Nirschle, Hailun Wang, Tim Harris, Andrew Sharabi, Reem Malek, Esteban Velerde, Joseph M. Herman, John Wong, Charles Drake, **Phuoc T. Tran**. Tumor and immunological responses from checkpoint blockade and radiation therapy in an autochthonous mouse model of lung cancer. **Oral presentation** for the ASTRO 2014 National Meeting. **ASTRO National Meeting Abstract Award.**
89. Narang AK, Robertson S, Ram AN, He P, Sundi D, Griffith E, Singh H, DeWeese TA, Honig S, McNutt T, Ross AE, Bivalacqua TJ, Schaeffer EM, Partin AW, DeWeese TL, **Tran PT**, Song DY. Very-high-risk localized prostate cancer – outcomes following definitive radiation. **Oral presentation** for the ASTRO 2014 National Meeting.
90. Ram AN, Narang AK, Robertson S, He P, Sundi D, Griffith E, Singh H, DeWeese TA, Honig S, McNutt T, Schaeffer EM, Ross AE, Bivalacqua TJ, Partin AW, Song DY, **Tran PT**, DeWeese TL. Multiple intermediate-risk factors as a prognostic tool for men with localized prostate cancer. ASTRO 2014 National Meeting.
91. Minh-Phuong Huynh-Le, Zhe Zhang, **Phuoc Tran**, Theodore DeWeese, Danny Y Song. Discrepancies in toxicity grading of rectal bleeding: a survey of radiation oncologists who treat prostate cancer. ASTRO 2014 National Meeting.
92. Amanda J. Walker, Chris Nirschle, Katriana Nugent, Hailun Wang, Timothy Harris, Reem Malek, Russell Hales, John Wong, Charles Drake, **Phuoc T. Tran**. Tumor and immunological responses from checkpoint blockade and radiation therapy in an autochthonous mouse model of lung cancer. 60th Annual 2014 RRS Meeting.
93. Rajendra P. Gajula, Russell D. Williams, Reem Malek, Katriana Nugent, Sivarajan T. Chettiar, Hailun Wang, Kekoa Taparra, Jessica Cades, Joseph M. Herman, **Phuoc T. Tran**. A TWIST1-MLL-WDR5-HOTTIP complex regulates HOXA9 chromatin to facilitate metastasis of prostate cancer. 21st Annual PCF Meeting 2014.
94. Amanda J. Walker, Chris Nirschle, Katriana Nugent, Tom Nirschle, Timothy J. Harris, Hailun Wang, Andrew Sharabi, Esteban Velerde, Reem Malek, Russell Williams, Jessica Cades, Kekoa Taparra, Rajendra Gajula, Joseph M. Herman, John Wong, Russell K. Hales, Charles G. Drake, **Phuoc T. Tran**. 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.
95. Andrew J. Armstrong, Susan Halabi, Patrick Healy, Robert Lee, Bridget F. Koontz, Judd W. Moul, Kelly Mundy, Patricia Creel, Sarah Yenser Wood, Kristen Davis, Brooke Reimer, Minh Nguyen, Avery N. Spitz, Ellen Bratt, Sung Kim, **Phuoc T. Tran**, Mark N. Stein, Michael Anthony Carducci, Daniel J. George. A phase 2 multimodality trial of docetaxel/prednisone with sunitinib followed by salvage radiation therapy (RT)

in men with PSA recurrent prostate cancer (PC) after radical prostatectomy (RP). Genitourinary Cancers Symposium 2015.

96. **Tran PT**, Narang AK, Ram AN, Robertson S, Hei P, Griffith E, Singh H, DeWeese, TA, Honig, S, McNutt T, Song DY, DeWeese TL. End of radiation PSA as a novel prognostic factor in patients undergoing definitive radiation for prostate cancer. Genitourinary Cancers Symposium 2015.
97. Daniel Y. Song, Amol Narang, Scott P. Robertson, Ashwin Ram, Pei He, Debasish Sundi, Emily Griffith, Harleen Singh, Alex DeWeese, Stephanie Honig, Todd R. McNutt, Ashley Ross, Trinity Bivalacqua, Edward M. Schaeffer, Alan W. Partin, Theodore L. DeWeese, **Phuoc T. Tran**. Very-high-risk localized prostate cancer – outcomes following definitive radiation. Genitourinary Cancers Symposium 2015.
98. Debasish Sundi, Jason Cohen, Vinson Wang, Mark W Ball, Farzana A Faisal, Amol Narang, **Phuoc Tran**, Danny Song, Theodore DeWeese, Ashley E Ross, Trinity J Bivalacqua, Edward M Schaeffer. Pre-treatment distinction of low-intermediate- from high-intermediate-risk among men with localized prostate cancer. American Urological Association (AUA) Annual Meeting 2015.
99. Frank Vendetti, Brian Leibowitz, Alan Lau, Jian Yu, Katriana Nugent, **Phuoc Tran**, Mark O'Connor, Christopher J. Bakkenist. Inhibition of ATR kinase activity for the treatment of lung cancer. **Invited oral presentation** for Fusion Conferences 2015 – Exploring DNA Repair Pathways as Targets for Cancer Therapy.
100. Yochum ZA, Cades JA, Mazzacurati L, Chatley, S, **Tran PT**, Burns TF. TWIST1 is Required for Suppression of Apoptosis in Oncogene Driven Non-Small Cell Lung Cancer. AACR Annual Meeting 2015.
101. Kekoa Taparra, Hailun Wang, Katriana Nugent, Russell Williams, Reem Malek, Jessica Cades, Dean W. Felsher, **Phuoc T. Tran**. Snail accelerates Kras driven lung tumorigenesis by overcoming oncogene-induced senescence. AACR Annual Meeting 2015. **AACR Minority Scholar in Cancer Research Award 2015**.
102. Bin Zhang, Ken Kang-Hsin Wang, Iulian Iordachita, Juvenal Reyes, **Phuoc T. Tran**, and John W. Wong. Evaluation of on- and off-line bioluminescence tomography system for focal irradiation guidance. American Association of Physicists in Medicine (AAPM) 2015 National Meeting.
103. Omar Y. Mian, Scott Robertson, Amol Narang, Hee Joon Bae, **Phuoc Tran**, Theodore L. DeWeese, Danny Y. Song. A Retrospective Review of 366 Patients Treated With LDR Prostate Brachytherapy at a Single Institution: Histopathologic, Biochemical, and Dosimetric Predictors of Outcome. American Brachytherapy Society (ABS) 2015 National Meeting.
104. Omar Y. Mian, Scott Robertson, Amol Narang, Sameer Agarwal, Hee Joon Bae, Todd McNutt, **Phuoc Tran**, Theodore L. DeWeese, Danny Y. Song. Dosimetric predictors of sexual function decline following LDR brachytherapy for prostate cancer (PCa). ASTRO 2015 National Meeting.
105. Lucia Mazzacurati, Jessica Cades, Sarah Chatley, Zachary Yochum, Katriana Nugent, Aswin Somasundaram, Yoon-Jae Cho, Charles Rudin, **Phuoc Tran**, Timothy Burns. Identification of a first in class TWIST1 inhibitor with activity in KRAS mutant NSCLC. 16th World Conference on Lung Cancer.
106. Kekoa Taparra, Hailun Wang, Katriana Nugent, Reem Malek, Jen Groves, Gokben Yildirim, Brian Simons, Barry Nelkin, Natasha Zachara, **Phuoc T. Tran**. SNAI1 Regulates the Hexosamine Biosynthesis Pathway in Lung Cancer. 7th Biennial TEMTIA Meeting 2015.
107. Ken Kang-Hsin Wang, Bin Zhang, **Phuoc T. Tran**, Iulian Iordachita, Michael S. Patterson, and John W. Wong. Bioluminescence tomography guided system for small animal radiation research platform (SARRP). **Oral presentation** for the SPIE Photonics West 2016.

108. Ashley Ross, Robert Den, Kasra Yousefi, Bruce Trock, Elai Davicioni, Darby Thompson, Voleak Choerung, Zaid Haddad, Jeff Tosoian, **Phuoc Tran**, Firas Abdollah, Felix Feng, Adam Dicker, Stephen Freedland, R. Jeffery Karnes, Edward Schaeffer. Efficacy of Early and Delayed Radiation in a Prostatectomy Cohort Adjusted for Genomic and Clinical Risk. SUO Annual Meeting 2015.
109. Benjamin Benzon, Stephanie A. Glavaris, Brian W. Simons, Robert M. Hughes, Rebecca M Miller, Katriana Nugent, Brian Shinder, Lee Blosser, **Phuoc Tran**, Paula J Hurley, Milena Vuica-Ross, Edward M. Schaeffer, Charles G. Drake, Ashley E. Ross. Effect of local therapy on the systemic anti-tumor response in prostate cancer. SUO Annual Meeting 2015.
110. Benjamin Benzon, Mandeep Takhar, Nicholas Erho, Mohammed Alshalalfa, Paula Hurley, Stephanie Glavaris, Brian Simons, Michael Haffner, **Phuoc Tran**, Felix Feng, Elai Davicioni, Jeffrey Karnes, Edward M. Schaeffer, Charles G. Drake, Ashley E. Ross. B7-H3 expression is androgen related and predictive of prostate cancer outcomes in a large natural history cohort of men undergoing prostatectomy. SUO Annual Meeting 2015.
111. Jeffrey J. Tosoian, Debasish Sundi, Meera Chappidi, Ridwan Alam, Kenneth J. Pienta, **Phuoc T. Tran**, Edward M. Schaeffer, Ashley E. Ross. Contemporary Treatment Patterns and Short-Term Outcomes in Men with Very High Risk Prostate Cancer. SUO Annual Meeting 2015.
112. Robert Den, Kasra Yousefi, Bruce J. Trock, Elai Davicioni, Jeffrey Tosoian, Darby J. S. Thompson, Voleak Choeurung, Zaid Haddad, **Phuoc T. Tran**, Edouard John Trabulsi, Leonard G. Gomella, Costas D. Lallas, Firas Abdollah, Felix Yi-Chung Feng, Adam Dicker, Stephen J. Freedland, Jeffrey Karnes, Edward M. Schaeffer, Ashley Ross. Efficacy of Early and Delayed Radiation in a Prostatectomy Cohort Adjusted for Genomic and Clinical Risk. Genitourinary Cancers Symposium 2016.
113. Ashley Ross, Benjamin Benzon, Shuang Zhao, Mandeep Takhar, Michael Haffner, Nicholas Erho, Paula Hurley, Jeffrey J. Tosoian, Mohammed Alshalalfa, Stephanie Glavaris, Brian Simons, **Phuoc T. Tran**, Elai Davicioni, Jeffrey Karnes, Edward M. Schaeffer, Charles G. Drake, Felix Y. Feng. The Relationship of B7H3 expression to androgen and prostate cancer outcomes in a large natural history cohort of men undergoing prostatectomy. Genitourinary Cancers Symposium 2016.
114. Ashley Ross, Benjamin Benzon, Stephanie Glavaris, Brian Simons, Robert Hughes, Patrick Mullane, Rebecca Miller, Katriana Nugent, Brian Shinder, Richard Blosser, **Phuoc T. Tran**, Paula Hurley, Milena Vuica-Ross, Edward M. Schaeffer, Charles G. Drake. Effect of local therapy on the systemic anti-tumor response in prostate cancer. Genitourinary Cancers Symposium 2016.
115. Omar Y Mian, Scott P. Robertson, Amol Narang, Sameer Aggarwal, Hee Joon Bae, Carol Gergis, Todd R. McNutt, **Phuoc T. Tran**, Theodore L. DeWeese, Danny Song. Dosimetric predictors of sexual function decline following LDR brachytherapy for prostate cancer (PCa). Genitourinary Cancers Symposium 2016.
116. Michael A. Gorin, Steven P. Rowe, Margarita Mana-ay, Zsolt Szabo, Edward M. Schaeffer, **Phuoc T. Tran**, Mohamad E. Allaf, Curtiland Deville, Steve Y. Cho, Kenneth James Pienta, Martin G. Pomper, Ashley Ross. Study of PSMA-targeted ¹⁸F-DCFPyL PET/CT in the Evaluation of Men with an Elevated PSA Following Radical Prostatectomy. Genitourinary Cancers Symposium 2016.
117. Jeffrey J. Tosoian, Debasish Sundi, Brian Francis Chapin, Emmanuel S. Antonarakis, Meera Chappidi, Ridwan Alam, Stephanie Glavaris, R. Jeffrey Karnes, Kenneth James Pienta, **Phuoc T. Tran**, Edward M. Schaeffer, Ashley Ross. Contemporary Treatment Patterns and Short-Term Outcomes in Men with Very High Risk Prostate Cancer. Genitourinary Cancers Symposium 2016.

118. Ken Kang-Hsin Wang, Bin Zhang, **Phuoc T. Tran**, Iulian Iordachita, Michael S. Patterson, and John W. Wong. Bioluminescence tomography guided system for small animal radiation research platform (SARRP). 3rd Small Animal Precision Image-Guided Radiotherapy Symposium 2016.
119. Ashley E. Ross, Brian Shinder, Jeffrey Tosoian, Nicholas Erho, Mohammed Alshalalfa, Kasra Yousefi, Paula Hurley, Elai Davicioni, Felix Feng, **Phuoc Tran**, Edward Schaeffer. Primary Tumor Androgen Receptor Signaling as a Predictor of Castrate Resistance. AUA Annual Meeting 2016.
120. Ashley E. Ross, Robert Den, Kasra Yousefi, Bruce Trock, Elai Davicioni, Jeffrey Tosoian, Darby Thompson, Voleak Choeurng, Zaid Haddad, **Phuoc Tran**, Edouard Trabulsi, Leonard Gomella, Costas Lallas, Firas Abdollah, Felix Feng, Adam Dicker, Stephen Freedland, Jeffrey Karnes, Edward Schaeffer. Efficacy of early and delayed radiation in a prostatectomy cohort adjusted for genomic and clinical risk. AUA Annual Meeting 2016.
121. Jeffrey J. Tosoian, Debasish Sundi, Brian Chapin, R. Jeffrey Karnes, Emmanuel S. Antonarakis, Meera Chappidi, Ridwan Alam, Stephanie Glavaris, Kamyar Ghabili, Mohamad E. Allaf, Trinity J. Bivalacqua, Kenneth J. Pienta, **Phuoc T. Tran**, Edward M. Schaeffer, Ashley E. Ross. Trends in Surgical Management of High-Risk Prostate Cancer: Evidence of an Evolving Treatment Paradigm. AUA Annual Meeting 2016.
122. Meera R. Chappidi, Max Kates, Zeyad Schwen, Nikolai Sopko, **Phuoc Tran**, Nita Ahuja, Stephanie Terezakis, Phillip M. Pierorazio, Trinity J. Bivalacqua. Intraoperative Radiation Therapy During Genitourinary Surgery: The Importance of Specimen Margin Status in Improving Survival. AUA Annual Meeting 2016.
123. Russell D. Williams, Rajendra P. Gajula, Reem Malek, Belinda Nghiem, Katriana Nugent, Brian W. Simons, A-Rum Yoon, Hailun Wang, Kekoa Tapparra, Lawrence True, Steven An, Danny Song, Theodore L. DeWeese, Edward M. Schaeffer, Kenneth J. Pienta, Paula J. Hurley, Colm Morrissey, **Phuoc T. Tran**. A TWIST1-MLL-WDR5-*HOTTIP* complex regulates *HOXA9* chromatin to facilitate metastasis of prostate cancer. 9th Multi-institutional Prostate Cancer SPORE Retreat 2016.
124. Kekoa Tapparra, Hailun Wang, Katriana Nugent, Reem Malek, Jennifer Groves, Gokben Yildirim, Brian Simons, Dean Felsher, Natasha Zachara, **Phuoc T. Tran**. SNAI1 regulates the hexosamine biosynthesis pathway to promote tumorigenesis in lung cancer. AACR Annual Meeting 2016. **AACR-Takeda Scholar-in-Training Award 2016**.
125. SP Robertson, JA Moore, X Hui, TL DeWeese, **P Tran**, H Quon, Z Cheng, K Bzdusek, P Kumar, TR McNutt. Combining a Commercial Autoplaning Engine with Database Dose Predictions to Further Improve Plan Quality. **Oral presentation** for the AAPM 2016 National Meeting.
126. **Tran PT**, Radwan N, Ross AE, Reyes D, Wright J, Song D, DeVille C, DeWeese TL, Carducci M, Schaeffer EM, Pienta KJ, Eisenberger M. Stereotactic Ablative Radiation Therapy for the Treatment of Oligometastatic Prostate Cancer. ASTRO 2016 National Meeting.
127. Den RB, Yousefi K, Trock B, Davicioni E, Tosoian J, Thompson D, Choeurng V, Haddad Z, **Tran PT**, Trabulsi E, Gomella LG, Lallas CD, Abdollah F, Feng FY, Dicker AP, Freedland SJ, Karnes JR, Schaeffer EM, Ross AE. Efficacy of Post-Operative Radiation in a Prostatectomy Cohort Adjusted for Clinical and Genomic Risk. ASTRO 2016 National Meeting.
128. Frank Vendetti, Brian Leibowitz, Alan Lau, Mark O'Connor, Jian Yu, **Phuoc Tran**, Chris Bakkenist. Inhibition of ATR kinase activity for the treatment of lung cancer. **Oral presentation** for the 62nd Annual 2016 RRS Meeting – ATM – Basic Mechanisms and Therapeutic Applications.

129. **Tran PT**, Moyer CL, Radwan N, Ross AE, Reyes D, Wright J, Song D, DeVille C, DeWeese TL, Carducci M, Schaeffer EM, Pienta KJ, Eisenberger M. Stereotactic Ablative Radiation Therapy for the Treatment of Oligometastatic Prostate Cancer. 23rd Annual PCF Meeting 2016.
130. Reem Malek, Rajendra P. Gajula, Russell D. Williams, Belinda Nghiem, Brian W. Simons, Hailun Wang, Kekoa Taparra, Mustafa Barbhuiya, Ghali Lemtiri-Chlieh, Theodore L. DeWeese, Edward M. Schaeffer, Paula J. Hurley, Colm Morrissey, Kenneth J. Pienta, **Phuoc T. Tran**. Sensitization to PARP inhibition by co-targeting TWIST1-HOXA9 in prostate cancer. 23rd Annual PCF Meeting 2016.
131. Mustafa A. Barbhuiya, Adam C. Mirando, Brian W. Simons, Ghali Lemtiri-Chlieh, Jordan J. Green, Aleksander S. Popel, Niranjana B. Pandey, **Phuoc T. Tran**. Therapeutic potential of anti-angiogenic multimodal biomimetic peptide in hepatocellular carcinoma. AACR Annual Meeting 2017.
132. Yochum ZA, Wang, H, Cades JA, Khetarpal S, Huang EH-B, **Tran PT**, Burns TF. EMT transcription factor TWIST1 mediates resistance to EGFR inhibitors in *EGFR*-mutant non-small cell lung cancer. AACR Annual Meeting 2017.
133. Reem Malek, Rajendra P. Gajula, Russell D. Williams, Belinda Nghiem, Brian W. Simons, Hailun Wang, Kekoa Taparra, Mustafa Barbhuiya, Ghali Lemtiri-Chlieh, Theodore L. DeWeese, Kenneth J. Pienta, Edward M. Schaeffer, Paula J. Hurley, Colm Morrissey, **Phuoc T. Tran**. Targeting Twist1-Hoxa9 to sensitize prostate cancer to PARP inhibition. 10th Multi-institutional Prostate Cancer SPORE Retreat 2017.
134. **Tran PT**, Moyer CL, Phillips R, Radwan N, Ross AE, Reyes D, Wright J, Antonarakis ES, Song D, DeVille C, Walsh PC, DeWeese TL, Carducci M, Schaeffer EM, Pienta KJ, Eisenberger M. Stereotactic Ablative Radiation Therapy for the Treatment of Oligometastatic Prostate Cancer. **Poster discussion** for the ASCO 2017 National Meeting.
135. Noura Radwan, Ryan Phillips, Ashley Ross, Steven Rowe, Michael Gorin, Emmanuel S. Antonarakis, Curtiland Deville, Stephen Greco, Samuel Denmeade, Channing Paller, Danny Y. Song, Maximilian Diehn, Hao Wang, Michael Carducci, Kenneth J. Pienta, Martin G. Pomper, Theodore L. DeWeese, Adam Dicker, Mario Eisenberger, **Phuoc T. Tran**. Phase II Randomized Observation versus Stereotactic Ablative Radiation for Oligometastatic Prostate Cancer (ORIOLE) Trial. ASCO 2017 National Meeting.
136. Ryan Phillips, Michael Gorin, Steven Rowe, Jonathan Hayman, Noura Radwan, Martin G. Pomper, Mohamad Allaf, Mario Eisenberger, Ashley Ross, Kenneth J. Pienta, Theodore L. DeWeese, Stephen Greco, Danny Y. Song, Curtiland Deville, **Phuoc T. Tran**. Changes in radiotherapeutic management of prostate cancer following PSMA-based ¹⁸F-DCFPyL PET imaging: a snapshot of prospective trials from a single institution. ASTRO 2017 National Meeting.
137. Linda Chen, Amol Narang, Elizabeth Thompson, Robert Anders, Kevin Waters, Justin Poling, Lauren Rosati, Chiung-Yu Huang, **Phuoc T. Tran**, Joseph M. Herman and Lei Zheng. Characterizing Tumor Infiltrating Lymphocytes Following Neoadjuvant Chemotherapy and Radiation in Pancreatic Adenocarcinoma. ASTRO 2017 National Meeting.
138. 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. ASTRO 2017 National Meeting. **Poster discussion** for the ASTRO 2017 National Meeting.
139. Jenny Yan, **Phuoc Tran**, Chen Hu, Riley McIntyre, Shirli DiPasquale, Helen Kim, Russell Hales, Joseph Herman, Stephanie Terezakis. Lesion Response to Stereotactic Body Radiation Therapy Concurrent with Nelfinavir for Solid Tumor Oligometastases. ASTRO 2017 National Meeting.

140. Stephanie Terezakis, Joseph Herman, Chen Hu, Jenny Yan, Shirl DiPasquale, Riley McIntyre, Helen Kim, Russell Hales, **Phuoc Tran**. Single-Arm Phase II Study of Stereotactic Body Radiation Therapy (SBRT) Concurrent with Nelfinavir for Solid Tumor Oligometastases. ASTRO 2017 National Meeting. **Poster discussion** for the ASTRO 2017 National Meeting.
141. Conley WK, Bae H, Narang A, McNutt T, Asrari F, DeVille C, **Tran PT**, DeWeese TL, Song DY. End-of-treatment PSA is frequently elevated compared to baseline PSA following hypofractionated radiotherapy. ASTRO 2017 National Meeting.
142. Xiangkun Xu, Alexander D. Klose, Mustafa A. Barbhuiya, Zijian Deng, Paul Tsouchlos, **Phuoc T. Tran**, John W. Wong and Ken Kang-Hsin Wang. Quantitative Bioluminescence Tomography for Small Animal Radiation Research Platform. AAPM 2017 National Meeting.
143. Wang, H, Cades, JA, Yochum, ZA, Nugent, K, Rudin, CM, Burns, TF, **Tran, PT**. Modeling Epithelial Plasticity-Induced Erlotinib Resistance in Non-Small Cell Lung Cancer. AACR Advances in Modeling Cancer in Mice: Technology, Biology and Beyond 2017.
144. **Phuoc T. Tran**, Charles Drake, Andrew Holland, Christopher Bakkenist. Generation of Cancer Cell Specific Micronuclei as a Novel Strategy to Increase Cancer Immunogenicity. Radiation Research Program - Division of Cancer Treatment and Diagnosis. Defining the Shades of Gy Workshop 2017: Utilizing the biological consequences of radiation therapy in the development of new treatment approaches.
145. **Phuoc T. Tran**, Noura Radwan, Ryan Phillips, Ashley Ross, Steven Rowe, Michael Gorin, Emmanuel S. Antonarakis, Curtiland Deville, Stephen Greco, Samuel Denmeade, Channing Paller, Danny Y. Song, Hao Wang, Kenneth J. Pienta, Martin G. Pomper, Theodore L. DeWeese, Adam Dicker, Mario Eisenberger. Interim results from a phase II randomized trial of Observation versus stereotactic ablative RadiatIon for Oligometastatic prostate CancEr (ORIOLE). 24th Annual PCF Meeting 2017.
146. Reem Malek, Rajendra P. Gajula, Russell D. Williams, Belinda Nghiem, Brian W. Simons, Hailun Wang, Kekoa Taparra, Mustafa Barbhuiya, Theodore L. DeWeese, Edward M. Schaeffer, Paula J. Hurley, Colm Morrissey, Kenneth J. Pienta, **Phuoc T. Tran**. TWIST1-mediated regulation of HOXA9 promotes resistance to PARPi in Prostate Cancer. 24th Annual PCF Meeting 2017.
147. Reem Malek, Rajendra P. Gajula, Russell D. Williams, Belinda Nghiem, Brian W. Simons, Hailun Wang, Kekoa Taparra, Mustafa Barbhuiya, Theodore L. DeWeese, Kenneth J. Pienta, Paula J. Hurley, Colm Morrissey, **Phuoc T. Tran**. Targeting Twist1-Hoxa9 to sensitize prostate cancer to PARP inhibition. 9th European Multidisciplinary Meeting on Urological Cancers 2017.
148. Reem Malek, Audrey Lafargue, Hailun Wang, Katriana Nugent, Roche Kapoor, Brian Simons, Robert Anders, Joseph Herman, **Phuoc T. Tran**. Uncovering the role of Twist1 in the development and progression of KRAS^{G12D}-induced squamous subtype pancreatic cancer. **Oral presentation** at the 8th Biennial TEMTIA Meeting 2017.
149. Wang, H, Cades, JA, Yochum, ZA, Nugent, K, Rudin, CM, Burns, TF, **Tran, PT**. Modeling Epithelial Plasticity-Induced Erlotinib Resistance in Non-Small Cell Lung Cancer. 8th Biennial TEMTIA Meeting 2017.
150. Kekoa Taparra, Hailun Wang, Reem Malek, Mustafa Barbhuiya, Brian Simons, Matthew Ballew, Katriana Nugent, Jennifer Groves, Russell Williams, Takumi Shiraishi, James Verdone, Gokben Yildirim, Roger Henry, Bin Zhang, John Wong, Ken Wang, Barry D. Nelkin, Kenneth J. Pienta, Dean Felsher, Natasha Zachara, **Phuoc T. Tran**. EMT-induced O-linked glycosylations required for mutant KRAS-induced lung tumorigenesis. 8th Biennial TEMTIA Meeting 2017.

151. Kiri A. Sandler, Fang-I Chu, Jay P. Ciezki, Richard. G. Stock, Gregory S. Merrick, D. Jeffrey Demanes, Daniel E. Spratt, Eyad I. Abu-Isa, Mark M. Pomerantz, Ashley E. Ross, **Phuoc T. Tran**, Paul L. Nguyen, Trude B. Wedde, Wolfgang Lilleby, Daniel J. Krauss, Ridwan Alam, Michael L. Steinberg, Eric M. Horwitz, Christopher R. King, and Amar U. Kishan. Clinical Outcomes Following Biochemical Recurrence Among Patients with Gleason Score 9-10 Prostate Adenocarcinoma. Genitourinary Cancers Symposium 2018.
152. Hong Lam, Wanqu Zhu, Hailun Wang, Jun Luo, Qizhi Zheng, Ken Valkenburg, Paula Hurley, Jennifer L. Pluznick, **Phuoc T. Tran**, Angelo DeMarzo, William B. Isaacs, Kenneth J. Pienta, and Steven S. An. A role for olfactory-like chemosensory signaling in prostate cancer metastasis. AACR Annual Meeting 2018.
153. Onur Ertunc, Mark Markowski, **Phuoc T. Tran**, Amol Narang, Jessica Hicks, Daniel Song, Jiayun Lu, Elizabeth A. Platz, Theodore Deweese, Angelo DeMarzo. Histopathological associations with PTEN and ERG status in prostate biopsies from men treated with radiation. AACR Annual Meeting 2018.
154. Isaacsson Velho P, Hassan S, Carducci MA, Eisenberger MA, **Tran PT**, Antonarakis ES. Efficacy of radium-223 in bone-metastatic prostate cancer patients with and without homologous repair deficiency (HRD) mutations. ASCO 2018 National Meeting.
155. R. Phillips, N. Radwan, T. Hether, M. Vignali, I. Kaplan, A. E. Ross, S. Rowe, M. Gorin, E. S. Antonarakis, C. Deville Jr, S. C. Greco, S. Denmeade, C. Paller, D. Song, H. Wang, M. Carudcci, K. Pienta, M. G. Pomper, T. L. DeWeese, A. P. Dicker, M. Eisenberger, **P. T. Tran**. Interim clinical and correlative results of a randomized trial of observation versus SABR for castration-sensitive oligometastatic prostate cancer. NCI-Radiosurgery Society (RSS) Workshop 2018: *Understanding High Dose, Ultra Dose Rate and Spatial Fractionated Radiotherapy*.
156. **P. T. Tran**, R. Phillips, N. Radwan, T. Hether, M. Vignali, I. Kaplan, A. E. Ross, C. Deville Jr, S. C. Greco, D. Song, H. Wang, K. Pienta, T. L. DeWeese, A. P. Dicker, and M. Eisenberger. SABR produces systemic adaptive immune responses in castration-sensitive oligometastatic prostate cancer patients. **Oral presentation** for the ASTRO 2018 National Meeting.
157. R. Phillips, N. Radwan, A. E. Ross, S. Rowe, M. Gorin, E. S. Antonarakis, C. Deville Jr, S. C. Greco, Denmeade, C. Paller, D. Song, H. Wang, M. Carudcci, K. Pienta, M. G. Pomper, T. L. DeWeese, A. P. Dicker, M. Eisenberger, **P. T. Tran**. Interim results of a randomized trial of observation versus SABR for castration-sensitive oligometastatic prostate cancer patients. ASTRO 2018 National Meeting.
158. R. Phillips, A. Da Silva, N. Radwan, M. Gorin, S. Rowe, K. Pienta, M. Pomper, J. Wong, **P. T. Tran**, K. Wang. PSMA-directed biologically-guided radiation therapy of castration-sensitive oligometastatic prostate cancer patients. **Oral presentation** for the ASTRO 2018 National Meeting.
159. A. U. Kishan, T. Romero, D. Elashoff, T. Grogan, M. Rettig, R. E. Reiter, **P. T. Tran**, P. L. Nguyen, N. G. Nickols, E. Davicioni, D.E. Spratt, F. Y. Feng, J. B. Weidhaas. Genomic Biomarkers to Predict Outcomes in Gleason Score 9-10 Disease. Genitourinary Cancers Symposium 2019.
160. N. R. Parikh, N. G. Nickols, M. Rettig, C. R. King, A. C. Raldow, M. L. Steinberg, **P. T. Tran**, A. U. Kishan. Cost-effectiveness of metastasis-directed therapy in the setting of oligometastatic hormone-sensitive prostate cancer. **Podium “Rapid Abstract” presentation** at the Genitourinary Cancers Symposium 2019.
161. R. Phillips, N. Radwan, T. Hether, M. Vignali, I. Kaplan, A. E. Ross, S. Rowe, M. Gorin, E. S. Antonarakis, C. Deville Jr, S. C. Greco, S. Denmeade, C. Paller, D. Song, H. Wang, M. Carudcci, K. Pienta, M. G. Pomper, T. L. DeWeese, A. P. Dicker, M. Eisenberger, **P. T. Tran**. Interim clinical and correlative results of a randomized trial of observation versus SABR for castration-sensitive oligometastatic prostate cancer. 12th Multi-institutional Prostate Cancer SPORE Retreat 2019.

162. William T. Hrinivich, Ryan Phillips, Angela Da Silva, Noura Radwan, Michael A. Gorin, Steven P. Rowe, Kenneth J. Pienta, Martin G. Pomper, John Wong, Ken Wang, **Phuoc Tran**. Dosimetric comparison of biologically-guided radiotherapy and X-ray-guided stereotactic ablative therapy for oligometastatic prostate cancer. AAPM 2019 National Meeting.
163. Z. Deng, X. Xu, Hamid Dehghani, A. D. Klose, **P. T. Tran**, and K. K.-H. Wang. A pre-clinical bioluminescence tomography-guided radiation research platform for pancreatic cancer. AAPM 2019 National Meeting.
164. William T. Hrinivich, Ryan Phillips, Angela Da Silva, Noura Radwan, Michael A. Gorin, Steven P. Rowe, Kenneth J. Pienta, Martin G. Pomper, John Wong, **Phuoc T. Tran**, Ken Wang. Dosimetric comparison of biologically-guided radiotherapy and X-ray-guided stereotactic ablative therapy for oligometastatic prostate cancer. **Oral presentation** for the ASTRO-RSNA Treatment of Oligometastatic Disease: Closer to the Cure Workshop 2019.
165. Smith, DeSanto, Hannum, Mayonado, Tolbert, White, Ahuja, Bowie, Cowall, Mischstuck, Peairs, Thorner, **Tran**, Wolff, Snyder. A Randomized Controlled Trial to Simplify Survivorship Care Planning: Feasibility of Implementing Three Survivorship Care Planning Approaches. American Public Health Association National Meeting 2019.
166. Amar U. Kishan, Tahmineh Romero, Tristan Grogan, Mohammed Alshalalfa, Paul C. Boutros, Matthew Rettig, Robert Reiter, **Phuoc T Tran**, Paul L. Nguyen, Nicholas G. Nickols, Elai Davicioni, Daniel E. Spratt, Felix Y. Feng, David Elashoff, Joanne B. Weidhaas. Transcriptomic Heterogeneity in Gleason Grade Group 5 Prostate Cancer: Implications for Biomarker Discovery. ASTRO 2019 National Meeting.
167. Amar U. Kishan, Jessica K. Wong, Tahmineh Romero, Tristan Grogan, Rahul Tendulkar, Chandana Reddy, Daniel E. Spratt, Rebecca Levin-Epstein, Trude B. Wedde, Wolfgang A. Lilleby, Gregory S. Merrick, Richard G. Stock, Daniel Krauss, **Phuoc T. Tran**, Theodore DeWeese, D. Jeffrey Demanes, Michael L. Steinberg, Christopher R. King, David Elashoff, Eric M. Horwitz. Radical Prostatectomy, External Beam Radiotherapy, or External Beam Radiotherapy With Brachytherapy Boost: Comparison of Outcomes in Multi-Institutional Analysis of 4,090 Patients with High-Risk Prostate Cancer. **Oral presentation** for the ASTRO 2019 National Meeting and Featured at **Best of ASTRO National Meeting 2019**.
168. Ryan M Phillips, Hamza Hasan, James Huang, Shirl Dipasquale, Rachit Kumar, Matthew Deek, Colburn Yu, Theodore DeWeese, Misop Han, Michael Gorin, Fariba Asrari, Curtiland Deville, Stephen Greco, Danny Song, **Phuoc T Tran**. Stereotactic ablative radiation and short-term androgen ablation for intermediate-risk localized prostate adenocarcinoma: safety and toxicity from a prospective single-arm phase II trial (NCT01517451). ASTRO 2019 National Meeting.
169. Rebecca G. Levin-Epstein, Kiri A. Sandler, Fang-I Chu, Jay P. Ciezki, Richard. G. Stock, Gregory S. Merrick, D. Jeffrey Demanes, Daniel E. Spratt, Eyad I. Abu-Isa, Mark M. Pomerantz, **Phuoc T. Tran**, Paul L. Nguyen, Trude B. Wedde, Wolfgang Lilleby, Daniel J. Krauss, Ridwan Alam, Michael L. Steinberg, Eric M. Horwitz, Christopher R. King, Amar U. Kishan. Clinical Outcomes among Patients with Radiorecurrent Gleason Grade Group 5 Prostate Cancer: Impact of Initial Treatment Strategy. ASTRO 2019 National Meeting.
170. N. R. Parikh, N. G. Nickols, M. Rettig, C. R. King, A. C. Raldow, M. L. Steinberg, **P. T. Tran**, A. U. Kishan. Cost-effectiveness of metastasis-directed therapy in oligorecurrent hormone-sensitive prostate cancer. **Oral presentation** for the ASTRO 2019 National Meeting.
171. Colburn Yu, Matthew P. Deek, Ryan Phillips, Daniel Y. Song, Curtiland DeVille, Stephen Greco, Theodore L. DeWeese, Emmanuel S. Antonarakis, Mark Markowski, Channing Paller, Samuel Denmeade, Michael

- Carducci, Kenneth J. Pienta, Mario Eisenberger, **Phuoc T. Tran**. Clinical Outcomes in Oligometastatic Prostate Cancer Following Definitive Radiation Therapy. ASTRO 2019 National Meeting.
172. Ryan M Phillips, Hailun Wang, Reem Malek, Colburn Yu, Roche Kapoor, Andrew Holland, **Phuoc T Tran**. Radiosensitization and micronucleus formation are induced by centrosome clustering inhibition with griseofulvin in prostate cancer cell lines. ASTRO 2019 National Meeting.
 173. R. Phillips, S. J. Lim, W. Y. Shi, E. S. Antonarakis, S. Rowe, M. Gorin, C. Deville Jr, S. C. Greco, S. Denmeade, C. Paller, T. L. DeWeese, D. Song, H. Wang, M. Carducci, K. Pienta, M. G. Pomper, A. P. Dicker, M. Eisenberger, M. Diehn, and **P. T. Tran**. Primary outcomes of a phase II randomized trial of Observation versus stereotactic ablative Radiation for OLigometastatic prostate CancEr (ORIOLE). **Late Breaking Abstract Oral presentation** in the Clinical Trials Session for the ASTRO 2019 National Meeting.
 174. Daniela C. Salles, Bruce J Trock, William U Shipley, Angelo De Marzo, Felix Y Feng, Jeffrey P Simko, Alan Pollack, Jean-Paul Bahary, Himanshu R Lukka, Michael Straza, John A Keech Jr, Judith O Hopkins, Mark S Macher, Alan C Hartford, Anand Desai, Viroon Donovanik, Daniel E Spratt, Kosj Yamoah, James Dignam, **Phuoc T Tran**, Tamara L. Lotan. Association of PTEN Status with Response to Salvage Radiation Therapy with or without Anti-Androgen Therapy: A Study of RTOG 96-01. United States and Canadian Academy of Pathology (USCAP) 2020 National Meeting.
 175. Felix Y Feng, Howard M Sandler, Huei-Chung (Rebecca) Huang, Jeffrey P Simko, Elai Davicioni, Paul L Nguyen, Jason A Efstathiou, Adam P Dicker, Rajdeep Das, James Dignam, Wendy Seiferheld, Yang Liu, Himanshu R Lukka, Jean-Paul Bahary Thomas M Pisansky, William A Hall, Amit B Shah, Stephanie L Pugh, Alan Pollack, Daniel E. Spratt, William U Shipley, **Phuoc T Tran**. Transcriptome profiling of NRG Oncology/RTOG 9601: validation of a prognostic genomic classifier in salvage radiotherapy prostate cancer patients from a prospective randomized trial. **Oral presentation** in the Abstract Session A of the Genitourinary Cancers Symposium 2020.
 176. Neil Rohit Parikh, Eric M. Chang, Nicholas George Nickols, Matthew Rettig, Ann C. Raldow, Michael L. Steinberg, Bridget F. Koontz, Neha Vapiwala, Curtiland Deville, Felix Y. Feng, Daniel Eidelberg Spratt, Robert Evan Reiter, Ryan Phillips, **Phuoc T. Tran**, Amar Upadhyaya Kishan. Cost-effectiveness of upfront therapeutic options in low-volume *de novo* metastatic hormone-sensitive prostate cancer. **Merit award** at the Genitourinary Cancers Symposium 2020.
 177. Rebecca Levin-Epstein, Tahmineh Romero, Jessica Karen Wong, Kiri Cook, Robert Timothy Dess, Daniel Eidelberg Spratt, Brian Joseph Moran, Gregory Stephen Merrick, **Phuoc T. Tran**, David Jeffrey Demanes, Brad J. Stish, Daniel J. Krauss, Trude Baastad Wedde, Wolfgang Lilleby, Richard Stock, Jonathan David Tward, Michael L. Steinberg, Eric M. Horwitz, Rahul D. Tendulkar, Amar Upadhyaya Kishan. Impact of initial treatment selection on clinical outcomes after biochemical failure in radiorecurrent high-risk prostate cancer. **Merit award** at the Genitourinary Cancers Symposium 2020.
 178. **Phuoc T. Tran**, Ryan Phillips, William Shi, Su Jin Lim, Emmanuel S. Antonarakis, Steven P. Rowe, Ashley Ross, Michael A. Gorin, Curtiland Deville, Stephen C. Greco, Channing Judith Paller, Theodore L. DeWeese, Daniel Y. Song, Hao Wang, Michael Anthony Carducci, Kenneth J. Pienta, Martin Pomper, Adam P. Dicker, Mario A. Eisenberger, Maximilian Diehn. A phase II randomized trial of Observation versus stereotactic ablative Radiation for OLigometastatic prostate CancEr (ORIOLE). **Poster Walk** at Genitourinary Cancers Symposium 2020.
 179. Mathew Deek, Victoria Vaage, Knut H. Hole, Theodore L. DeWeese, Andreas Stensvold, Therese Seierstad, **Phuoc T. Tran**, Wolfgang Lilleby. Testosterone recovery as biomarker for overall and cause-specific survival in combined treated patients with high-risk and locally advanced prostate cancer. Genitourinary Cancers Symposium 2020.

180. Trude Wedde, Milada Cvancarova, Jonathan S. Hayman, **Phuoc T. Tran**, Gunnar Tafjord, Theodore L. DeWeese, Wolfgang Lilleby. PSA status after neoadjuvant androgen deprivation therapy before high-dose-rate brachytherapy as biomarker for prediction of long-term outcome in high-risk prostate cancer patients. Genitourinary Cancers Symposium 2020.
181. Guldvik IJ., Lilleby W., Hole KH, Olaussen R., Mills IG., Stensvold A., Seierstad T., **Tran P.**, Inderberg EM. Predicting long-term results with circulating tumor cells in patients with de novo androgen sensitive prostate cancer treated with hTERT peptides vaccine. Genitourinary Cancers Symposium 2020.
182. Youngjee Choi, Katherine Clegg Smith, Aishwarya Shukla, Amanda L. Blackford, **Phuoc T. Tran**, Kimberly S. Peairs, Thomas Demarco, Michael A. Carducci, Amanda Choflet, Kristen B. Farling, Madeline Kelso, Nicole Mills, Annette Timlin, Nancy J. Mayonado, Elliott Tolbert, Claire F. Snyder. Prostate cancer survivorship care plans: what we are failing to tell men after treatment. Genitourinary Cancers Symposium 2020.
183. Amar U. Kishan, Tahmineh Romero, Matthew Rettig, Isla Garraway, Mack Roach III, Thomas Michael Pisansky, Jeff M. Michalski, W. Robert Lee, Christopher U. Jones, Seth A. Rosenthal, Felix Y. Feng, Paul Christopher Boutros, Nicholas George Nickols, Brandon Arvin Virgil Mahal, Robert Timothy Dess, **Phuoc T. Tran**, Michael L. Steinberg, David Elashoff, Howard M. Sandler, Daniel E. Spratt. Association of black race with improved outcomes following definitive radiotherapy with androgen deprivation therapy for high-risk prostate cancer: A meta-analysis of eight randomized trials. Genitourinary Cancers Symposium 2020.
184. Joanne B. Weidhaas, Donatello Telesca, Amar Upadhyaya Kishan, Ingrid Jenny Guldvik, Melanie-Birte Schulz-Jaavall, Andreas Stensvold, **Phuoc T. Tran**, Wolfgang Lilleby. MicroRNA-based biomarkers of the radiation response in prostate cancer. Genitourinary Cancers Symposium 2020.
185. Zijian Deng, Xiangkun Xu, Hamid Dehghani, Alexander D. Klose, **Phuoc T. Tran**, Ken K.-H. Wang. In vivo bioluminescence tomography-guided radiation research platform for pancreatic cancer. **Oral Presentation** at the 5th Conference on Small Animal Precision Image-Guided Radiation Therapy 2020.
186. Matthew P. Deek, Ryan Phillips, Daniel Y. Song, Curtiland Deville, Stephen Greco, Theodore L. DeWeese, Mark Markowski, Cathy Marshall, Samuel Denmeade, Michael Carducci, Kenneth Pienta, Mario Eisenberger, Channing Paller, Emmanuel S. Antonarakis, **Phuoc T. Tran**. A High Risk Mutational Signature is Prognostic for Outcomes Following Stereotactic Ablative Radiation Therapy in Oligometastatic Prostate Cancer. **Oral Presentation** at the 13th Multi-institutional Prostate Cancer SPORE Retreat 2020.
187. Francesca A. Carrieri, Nick Connis, Elodie Henriët, Andrew Ewald, Luigi Marchionni, Christine Hann, **Phuoc T. Tran**. Establishment of patient-derived organoids as *ex vivo* tool to characterize the molecular mechanisms of SCLC chemo-radiation resistance. AACR Annual Meeting 2020.
188. M. P. Deek, K. Van der Eecken, R. Phillips, N. R. Parikh, P. Isaacsson Velho, A. U. Kishan, T. Mauer, M. Abramowitz, A. Pollack, N. B. Desai, B. J. Stish, F. Y. Feng, M. Eisenberger, M. Carducci, K. Pienta, C. Paller, E. S. Antonarakis, A. Berlin, P. Ost, **P. T. Tran**. The mutational landscape of oligometastatic hormone-sensitive prostate cancer – The spectrum theory revisited. 27th Annual PCF Meeting 2020.
189. Christine Lam, Mustafa A. Barbhuiya, Michael Considine, Elodie Henriët, Hailun Wang, Francesca A. Carrieri, Audrey Lafargue, Caleb Smack, Ismaeel Siddiqui, Luciane T. Kagohara, Adam C. Mirando, Richard J. Sove, Mark Yarchoan, Aleksander S. Popel, Andrew J. Ewald, Elana J. Fertig, **Phuoc T. Tran**. Integrated Transcriptomic and Proteomic Analyses Reveal the Role of the Hexosamine Biosynthetic Pathway in Invasion and Metastasis of Hepatocellular Carcinoma. **Oral presentation** for the ASTRO 2020 National Meeting.

190. William A. Hall, Eric Paulson, Brian J. Davis, Daniel E. Spratt, David Dearnaley, Jason A. Efstathiou, Ashesh B. Jani, Mark Buyyounouski, Thomas Pisansky, **Phuoc T. Tran**, Ronald C. Chen, Fabio L. Cury, Jeff M. Michalski, Seth A. Rosenthal, Bridget F. Koontz, Anthony C. Wong, Alison Tree, Paul Nguyen, Felix Feng, Howard M Sandler, Colleen Lawton. NRG Oncology Updated International Consensus Atlas on Pelvic Lymph Node Volumes For Intact and Post-Operative Prostate Cancer. **Oral presentation** for the ASTRO 2020 National Meeting.
191. Kekoa Taparra, Matthew P. Deek, Dyda Dao, Luanna Chan, Ryan Phillips, Pedro Isaacsson Velho, Robert W. Gao, Curtiland Deville, Daniel Y. Song, Stephen Greco, Michael Carducci, Mario Eisenberger, Theodore L. DeWeese, Samuel Denmeade, Kenneth Pienta, Channing Paller, Emmanuel S. Antonarakis, Sean S. Park, **Phuoc T. Tran**, Bradley J. Stish. Modes of Failure Following Metastasis Directed Therapy in Patients with Oligometastatic Hormone Sensitive Prostate Cancer: A Multi-institutional Analysis. ASTRO 2020 National Meeting.
192. Matthew P. Deek, Kekoa Taparra, Ryan Phillips, Pedro Isaacsson Velho, Robert W. Gao, Curtiland Deville, Daniel Y. Song, Stephen Greco, Michael Carducci, Mario Eisenberger, Theodore L. DeWeese, Samuel Denmeade, Kenneth Pienta, Channing Paller, Emmanuel S. Antonarakis, Kenneth R. Olivier, Sean S. Park, **Phuoc T. Tran**, Bradley J. Stish. Metastasis Directed Therapy Prolongs Efficacy of Systemic Therapy and Improves Clinical Outcomes in Oligoprogressive Castration-Resistant Prostate Cancer. ASTRO 2020 National Meeting.
193. Noah M. Hahn, Michael A. O'Donnell, Jason A. Efstathiou, Marianna Zahurak, Gary Rosner, Jeff Smith, Max R. Kates, Trinity J. Bivalacqua, **Phuoc T. Tran**, Daniel Y. Song, Alex S. Baras, Andres Matoso, Woonyoung Choi, Kellie N. Smith, Drew M. Pardoll, Luigi Marchionni, Bridget McGuire, Burles Johnson, Tanya O'Neal, David J. McConkey, Tracy L. Rose, Marc Burjlin, Emerson A. Lim, Charles G. Drake, Christopher B. Anderson, Donald L. Lamm, Doris Makari-Anders, Ashok Gupta, Paulo Miranda, Andrew Bernstein, Marija Tesic-Schnell, Daniel M. Geynisman, Mark Hallman, Eric M. Horwitz, Essel Al-Saleem, Alexander Kutikov, Gordon Guo, Nabil Abda, Hristos Z. Kaimakliotis. Phase 1 trial of durvalumab in combination with BCG or external beam radiation in BCG-unresponsive non-muscle invasive bladder cancer patients (HCRN GU16-243: ADAPT-BLADDER trial). SUO Annual Meeting 2020.
194. Caleb Smack, Christine Lam, Francesca Carrieri, Ismaeel Siddiqui, Hailun Wang, Audrey Lafargue, **Phuoc T. Tran**. The harmala alkaloid harmine as a novel cancer cell radiosensitizer. AACR Virtual Special Conference: Radiation Science and Medicine 2021.
195. Francesca A. Carrieri, Nick Connis, Eloise Grasset, Eddie Luidy-Imada, Andrew Ewald, Luigi Marchionni, Christine Hann, **Phuoc T. Tran**. Identification and characterization of the molecular mechanisms of SCLC chemo-radiation resistance. **Oral Presentation in Plenary Session 8 – Molecular Predictions** for the AACR Virtual Special Conference: Radiation Science and Medicine 2021.
196. Audrey Lafargue, Hailun Wang, Sivarajan T. Chettiar, Rajendra P. Gajula, Caleb Smack, Ismaeel Siddiqui, Kekoa Taparra, Christine Lam, Francesca Carrieri, Katriana Nugent, Natasha Zachara, **Phuoc T. Tran**. The transactivation domain of TWIST1 is required for TWIST1-induced aggressiveness in non-small cell lung cancer. AACR Virtual Special Conference: Radiation Science and Medicine 2021.
197. Claire F. Snyder, Youngjee Choi, Amanda L. Blackford, Jennifer DeSanto, Nancy Mayonado, Susan Rall, Sharon White, Janice Bowie, David E. Cowall, Fabian Johnston, Robert L. Joyner, Jr., Joan Mischtschuk, Kimberly S. Peairs, Elissa Thorner, **Phuoc T. Tran**, Antonio C. Wolff, Katherine C. Smith, SSCP Stakeholder Advisory Board. Simplifying Survivorship Care Planning: A Randomized Controlled Trial Comparing Three Care Plan Delivery Approaches. **Poster Discussion** at the ASCO 2021 National Meeting.

198. William T. Hrinivich, Matthew Deek, Ryan Phillips, Heng Li, **Phuoc Tran**, Junghoon Lee. Towards automatic metastasis-directed therapy planning in a three-dimensional beam model using reinforcement learning. **Oral Presentation** at the AAPM 2021 National Meeting.
199. Piet Ost, Alejandro Berlin, Shankar Siva, Dries Reynders, Ryan M. Phillips, Rachel Glicksman, Farshad Foroudi, Valérie Fonteyne, Felix Feng, Matthew P. Deek, Peter Chung, Declan Murphy, **Phuoc T. Tran**. Metastasis-directed therapy for oligorecurrent prostate cancer: a pooled analysis of 4 prospective trials. ESTRO 40th meeting 2021.
200. Piet Ost, Alejandro Berlin, Shankar Siva, Dries Reynders, Ryan M. Phillips, Rachel Glicksman, Farshad Foroudi, Valérie Fonteyne, Felix Feng, Matthew P. Deek, Peter Chung, Declan Murphy, **Phuoc T. Tran**. Metastasis-directed therapy for oligorecurrent prostate cancer: a pooled analysis of 4 prospective trials. European Association of Urology (EUA) Annunal Meeting 2021.
201. Shankar Siva, **Phuoc T. Tran**, Alejandro Berlin, Dries Reynders, Ryan M. Phillips, Rachel Glicksman, Cristian Udovicich, Farshad Foroudi, Declan Murphy, Valérie Fonteyne, Matthew P. Deek, Felix Feng, Peter Chung, Piet Ost. Multicentre outcomes of metastasis-directed therapy for metachronous oligometastatic prostate cancer: an individual patient level meta-analysis of prospective trials. **Oral Presentation** at the Royal Austrailian and New Zealand College of Radiologists (RANZCR) 2021 Meeting.
202. Jennifer Y. Sheng, Claire F. Snyder, Katherine C. Smith, Jennifer DeSanto, Nancy Mayonado, Susan Rall, Sharon White, Amanda L. Blackford, Fabian Johnston, Robert L. Joyner, Jr., Joan Mischtschuk, Kimberly S. Peairs, Elissa Thorner, **Phuoc T. Tran**, Antonio C. Wolff, Youngjee Choi. Evaluating Potential Overuse of Surveillance Care in Cancer Survivors. San Antonio Breast Cancer Sympsoium 2021.
203. Luca Valle, Michael Xiang, Tahmineh Romero, Jessica K. Wong, Bradley J. Stish, Daniel E. Spratt, Avinash Pilar, Jay P. Ciezki, Trude B. Wedde, Gregory S. Merrick, Richard G. Stock, Brian J. Moran, **Phuoc T. Tran**, Rafael Martinez-Monge, Daniel J. Krauss, Ashley E. Ross, Derya Tilki, Jonathan D. Tward, Brian J. Davis, Jeffrey Karnes, Michael L. Steinberg, Amar U. Kishan. The Benefit of Whole Pelvis Radiation Therapy in Patients with High-Risk Prostate Cancer Relative to the Risk of Nodal Metastases in a Multi-Institutional High-Risk Cohort. American Radium Society (ARS) National Meeting 2021.
204. **Phuoc T. Tran**, Alejandro Berlin, Shankar Siva, Dries Reynders, Ryan M. Phillips, Rachel Glicksman, Cristian Udovicich, Farshad Foroudi, Valérie Fonteyne, Matthew P. Deek, Felix Feng, Peter Chung, Declan Murphy, Piet Ost. Individual patient meta-analysis of prospective trials studying metastasis-directed therapy for metachronous oligometastatic prostate cancer. ASTRO 2021 National Meeting.
205. Philip Sutura, Kim Van Der Eecken, Amar Kishan, Anis Hamid, Emily Grist, Gerhardt Attard, Tamara Lotan, Adrianna Mendes, Christopher Sweeney, Channing Paller, Michael Carducci, Ashley Ross, Ken Pienta, Felix Feng, Mario Eisenberger, Emmanuel Antonarakis, Piet Ost, **Phuoc Tran**, Matthew Deek. Emerging prognostic groups across the spectrum of metastatic castration-sensitive prostate cancer: disease outcomes and genomics. ASTRO 2021 National Meeting.
206. Zijian Deng, Xiangkun Xu, Hamid Dehghani, Juvenal Reyes, John W. Wong, **Phuoc T. Tran**, Ken Kang-Hsin Wang. Quantification of tumor location and growth for orthotopic pancreatic cancer model using bioluminescence tomography-guided system. ASTRO 2021 National Meeting.
207. Francesca A. Carrieri, Nick Connis, Eloise Grasset, Eddie Luidy-Imada, Caleb Smack, Ismaeel Siddiqui, Andrew Ewald, Luigi Marchionni, Christine Hann, **Phuoc T. Tran**. Identification and characterization of the molecular mechanisms of SCLC chemo-radiation resistance. ASTRO 2021 National Meeting.

208. Ma TM, Xiang M, Tilki D, Karnes RJ, Stish BJ, Martinez-Monge R, Tendulkar RD, Klein EA, **Tran PT**, Tosoian J, Berlin A, Tward JD, Merrick GS, Spratt DE, Krauss DJ, Horwitz EM, Gafita A, Grogan T, Calais J, Kishan AU. Prognostic Significance of the Risk of Extraprostatic Disease on PSMA/PET: Comparative Performance of a Novel, PSMA/PET-Derived Risk Stratification Tool for High-Risk Prostate Cancer in a Large, Multi-institutional Cohort. **Oral Presentation** at the ASTRO 2021 National Meeting.
209. Kishan AU, Wong JK, Merrick GS, **Tran PT**, Demanes DJJ, Stish BJ, Krauss DJ, Wedde T, Lilleby W, Stock RG, Horwitz EM, Steinberg ML, Tendulkar RD, Moran BJ Jr, Tward JD, Martinez-Monge R, Berlin A, Spratt DE, Dess RT, Romero T. The Relationship Between Androgen Deprivation Therapy Duration and External Beam Radiotherapy with or without A Brachytherapy Boost In High-Risk Prostate. **Oral Presentation** at the ASTRO 2021 National Meeting.
210. Daniel Eidelberg Spratt, Yilun Sun, Douwe Van der Wal, Shih-Cheng Huang, Osama Mohamad, Andrew J. Armstrong, Jonathan David Tward, Paul Nguyen, Emmalyn Chen, Sandy DeVries, Jedidiah Mercer Monson, Holly A Campbell, Michelle J Ferguson, Jean-Paul Bahary, **Phuoc T. Tran**, Joseph P. Rodgers, Andre Esteva, Felix Y Feng. An AI-derived digital pathology-based biomarker to predict the benefit of androgen deprivation therapy in localized prostate cancer with validation in NRG/RTOG 9408. **Oral presentation** in the General Session of the Genitourinary Cancers Symposium 2022.
211. Andre Esteva, Jean Feng, Shih-Cheng Huang, Douwe Van der Wal, Jeffry Simko, Sandy DeVries, Emmalyn Chen, Edward M. Schaeffer, Todd Matthew Morgan, Jedidiah Mercer Monson, Farah Naz, James Wallace, Michelle J Ferguson, Jean-Paul Bahary, Howard M. Sandler, **Phuoc T. Tran**, Daniel Eidelberg Spratt, Stephanie L. Pugh, Felix Y Feng, Osama Mohamad. Development and validation of a prognostic AI biomarker using multi-modal deep learning with digital histopathology in localized prostate cancer on NRG Oncology phase III clinical trials. **Oral presentation** in the General Session of the Genitourinary Cancers Symposium 2022.
212. Emerson Lee, Tanmay Singh, Misop Han, Curtiland Deville, Aditya Halthore, Stephen C. Greco, **Phuoc T. Tran**, Theodore L. DeWeese, Danny Song. Early initiation of salvage radiotherapy is associated with improved metastasis-free survival in patients with relapsed prostate cancer following prostatectomy. Genitourinary Cancers Symposium 2022.
213. Daniel Eidelberg Spratt, Huei-Chung Huang, Jeff M. Michalski, Elai Davicioni, Alejandro Berlin, Jeff Simko, Jason A. Efstathiou, **Phuoc T. Tran**, Darby Thompson, Matthew Parliament, Ian S. Dayes, Rohann Correa, John M. Robertson, Elizabeth Gore, Desiree E. Doncals, Eric Vigneault, Luis Souhami, Theodore Karrison, Felix Y Feng. Validation of the performance of the Decipher biopsy genomic classifier in intermediate-risk prostate cancer on the phase III randomized trial NRG Oncology/RTOG 0126. Genitourinary Cancers Symposium 2022.
214. Carli B. Jones, Jonathan B. Coulter, Janielle P. Maynard, Luke Mummert, **Phuoc T. Tran**, Karen S. Sfanos. Equol as a radiosensitizer and therapeutic agent in prostate cancer. 15th Multi-institutional Prostate Cancer SPORE Retreat 2022.
215. Alicia K. Morgans, Yu-Hui Chen, Anna C. Ferrari, **Phuoc T. Tran**, Edward M. Schaeffer, Daniel H. Shevrin, Russell Z. Szmulewitz, Thomas P. Boike, Tanya B. Dorff, Glenn Liu, Lynne I. Wagner, Michael A. Carducci. A Phase III Double Blinded Study of Early Intervention After RADICAL ProstaTectomy With Androgen Deprivation Therapy With or Without Darolutamide vs. Placebo in Men at Highest Risk of Prostate Cancer Metastasis by Genomic Stratification (ERADICATE). ASCO 2022 National Meeting.
216. **Phuoc T. Tran***, Kathryn Lowe*, Hao Wang, Hua-Ling Tsai, Daniel Y. Song, Arthur Y. Hung, Jason W.D. Hearn, Tamara Lotan, Channing Paller, Mark Markowski, Samuel Denmeade, Michael Carducci, Mario Eisenberger, Matthew Orton, Curtiland DeVille, Stanley Liauw, Elisabeth I. Heath, Neil B. Desai, Tomasz M.

Beer, Emmanuel S. Antonarakis+. Phase II, Double-blind, Randomized Study of Salvage Radiation Therapy (SRT) Plus Enzalutamide or Placebo for High-Risk PSA-Recurrent Prostate Cancer after Radical Prostatectomy: the SALV-ENZA Trial. ASCO 2022 National Meeting. **Poster Discussion** at the ASCO 2022 National Meeting**.

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217. Mack Roach III, Jingbin Zhang, Andre Esteva, Osama Mohamad, Douwe van der Wal, Jeffry P. Simko, Sandy DeVries, Huei-Chung Huang, Edward M. Schaeffer, Todd M. Morgan, Jedidiah M. Monson, Farah Naz, James Wallace, Michelle J. Ferguson, Jean-Paul Bahary, Howard M. Sandler, Daniel E. Spratt, Stephanie Pugh, **Phuoc T. Tran**, Felix Y. Feng. Prostate cancer risk in African American men evaluated via digital histopathology multi-modal deep learning models developed on NRG Oncology phase III clinical trials. ASCO 2022 National Meeting. **Oral presentation** at the ASCO 2022 National Meeting.
 218. Matthew P. Deek, Kim Van der Eecken, Phil Sutera, Rebecca A. Deek, Valérie Fonteyne, Adrianna A. Mendes, Nicolaas Lumen, Ryan Phillips, Louke Delrue, Sofie Verbeke, Kathia De Man, Daniel Y. Song, Channing J. Paller, Steven Joniau, Gert De Meerleer, Tamara L. Lotan, Alejandro Berlin, Shankar Siva, Piet Ost, **Phuoc T. Tran**. Long Term Outcomes and Genetic Predictors of Response to Metastasis Directed Therapy Versus Observation in Oligometastatic Castration-Sensitive Prostate Cancer: A Pooled Analysis of the STOMP and ORIOLE Trials. ASCO 2022 National Meeting.
 219. Philip Sutera, Matthew Deek, Ozan Cem Guler, Pervin Hurmuz, Mehmet Reyhan, Steven Rowe, William T. Hrinivich, Lei Ren, Daniel Y. Song, Ana Kiess, Ezgi Oymak, Kenneth Pienta, Martin Pomper, Felix Y. Feng, Gokhan Ozyigit, **Phuoc T. Tran**, Ryan M. Phillips, Cem Onal. Prostate-specific membrane antigen PET response associates with radiographic progression-free survival following stereotactic ablative radiation therapy in oligometastatic castration-sensitive prostate cancer. ASCO 2022 National Meeting. **Poster Discussion** at the ASCO 2022 National Meeting.
 220. **Phuoc T. Tran**, Philip Sutera, Matthew P. Deek, Kim Van der Eecken, Alex Hakansson, Yang Liu, Jinhee Chang, Valérie Fonteyne, Adrianna A. Mendes, Nicolaas Lumen, Louke Delrue, Sofie Verbeke, Kathia De Man, Daniel Y. Song, Channing J. Paller, Elai Davicioni, Steven Joniau, Gert De Meerleer, Tamara L. Lotan, Piet Ost. A Transcriptomic Signature of AR Activity Prognosticates Development of Castration-Resistance following Metastasis-Directed Therapy in Oligometastatic Castration-Sensitive Prostate Cancer. European Society for Medical Oncology (EMSO) 2022 Annual Congress.
 221. Paul L Nguyen, Vinnie YT Liu, James A Proudfoot, Yang Liu, Elai Davicioni, Alan Dal Pra, Daniel E Spratt, Howard M Sandler, Jason A Efstathiou, Colleen Lawton, Jeffrey P Simko, Seth A Rosenthal, Kenneth L Zeitzer, Lucas C Mendez, Alan C Hartford, William A Hall, Anand B Desai, Stephanie L. Pugh, **Phuoc T. Tran**, Felix Y Feng. Biopsy-based Basal-Luminal Subtyping Classifier in High-risk Prostate Cancer: Analysis of the NRG Oncology/RTOG 9202, 9413, and 9902 Randomized Phase III Trials. EMSO 2022 Annual Congress.
 222. Jonathan D Tward, Jingbin (Ivy) Zhang, Andre Esteva, Osama Mohamad, Douwe van der Wal, Jeffry P Simko, Sandy DeVries, Huei-Chung (Rebecca) Huang, Edward M Schaeffer, Todd M Morgan, Jedidiah M Monson, Holly A Campbell, James A Wallace, Michelle J Ferguson, Jean-Paul Bahary, Howard M Sandler, Daniel E Spratt, Joseph P Rodgers, Felix Y Feng, **Phuoc T. Tran**. Risk reclassification in prostate cancer patients via digital histopathology multi-modal deep learning models in NRG Oncology phase III clinical trials. ASTRO 2022 National Meeting. **Oral presentation** in the **Plenary Session** for the ASTRO 2022 National Meeting**.
- ** - Highlighted by [ASTRO Daily News](#).
223. Matthew P. Deek, Kim Van der Eecken, Phil Sutera, Rebecca A. Deek, Valérie Fonteyne, Adrianna A. Mendes, Nicolaas Lumen, Ryan Phillips, Louke Delrue, Sofie Verbeke, Kathia De Man, Daniel Y. Song,

- Channing J. Paller, Steven Joniau, Gert De Meerleer, Tamara L. Lotan, Alejandro Berlin, Shankar Siva, Piet Ost, **Phuoc T. Tran**. Long Term Outcomes and Genetic Predictors of Response to Metastasis Directed Therapy Versus Observation in Oligometastatic Castration-Sensitive Prostate Cancer: A Pooled Analysis of the STOMP and ORIOLE Trials. **Oral presentation** for the ASTRO 2022 National Meeting.
224. Alexander GS, Krc RF, Assif JW, Sun K, Molitoris JK, Rana Z, **Tran PT**, Bentzen SM, Mishra MV. Conditional survival of patients with prostate cancer undergoing external-beam radiotherapy on RTOG 0126 and 0415. **Oral presentation** for the ASTRO 2022 National Meeting.
225. Assif JW, Alexander GS, Krc RF, Sun K, Molitoris JK, Rana ZH, **Tran PT**, Bentzen SM, Mishra MV. Conditional survival probabilities in recurrent prostate cancer (PCa) patients receiving radiation $\pm$ antiandrogen therapy: Secondary analysis of a randomized clinical trial. **Oral presentation** for the ASTRO 2022 National Meeting.
226. Philip Sutera, Matthew Deek, Ozan Cem Guler, Pervin Hurmuz, Mehmet Reyhan, Steven Rowe, William T. Hrinivich, Lei Ren, Daniel Y. Song, Ana Kiess, Ezgi Oymak, Kenneth Pienta, Martin Pomper, Felix Y. Feng, Gokhan Ozyigit, **Phuoc T. Tran**, Ryan M. Phillips, Cem Onal. Prostate-specific membrane antigen PET response associates with metastasis-free survival following stereotactic ablative radiation therapy in oligometastatic castration-sensitive prostate cancer. **Oral presentation** for the ASTRO 2022 National Meeting.
227. Krc RF, Assif JW, Alexander GS, Sun K, Molitoris JK, Rana ZH, **Tran PT**, Bentzen SM, Mishra MV. Toxicity analysis of patients with prostate cancer treated with 3D-conformal compared to intensity modulated radiotherapy: Secondary analysis of RTOG 0126 and RTOG 0415. ASTRO 2022 National Meeting.
228. Philip Sutera, Matthew P. Deek, Kim Van der Eecken, Sofie Verbeke, Jo Van Dorpe, Valérie Fonteyne, Bram De Laere, Mark Mishra, Zaker Rana, Justin Molitoris, Matthew Ferris, Ashley Ross, Edward Schaeffer, Nicholas Roberts, Daniel Y. Song, Theodore DeWeese, Kenneth J. Pienta, Emmanuel S. Antonarakis, Piet Ost, **Phuoc T. Tran**. Role of WNT pathway mutations within oligometastatic castration-sensitive prostate cancer. **Oral presentation** for the ASTRO 2022 National Meeting.
229. Devin Miles, Daniel Sforza, Ismael Siddiqui, John Wong, **Phuoc Tran**, Mohammad Rezaee. FLASH effects induced by kV x-rays in a murine skin model. ASTRO 2022 National Meeting.
230. **Phuoc T. Tran**^{*,†}, Kathryn Lowe^{*}, Hao Wang, Hua-Ling Tsai, Daniel Y. Song, Arthur Y. Hung, Jason W.D. Hearn, Steven Miller, Tamara Lotan, Theodore L. DeWeese, Matthew Orton, Curtiland DeVille, Stanley Liauw, Elisabeth I. Heath, Stephen Greco, Neil B. Desai, Daniel E. Spratt, Felix Feng, Tomasz M. Beer, Emmanuel S. Antonarakis[†]. Phase II Randomized Study of Salvage Radiation Therapy (SRT) Plus Enzalutamide or Blinded Placebo for High-Risk PSA-Recurrent Prostate Cancer after Radical Prostatectomy: the SALV-ENZA Trial. **Oral presentation** for the ASTRO 2022 National Meeting^{**}.
- * - these authors contributed equally; and + - corresponding authors
 ** - Highlighted by [ASTRO Daily News](#), [CancerNetwork](#) and [VJOncology](#).
231. Martin Sjöström, Shuang G. Zhao, Samuel Levy, Meng Zhang, Yuhong Ning, Raunak Shrestha, Arian Lundberg, Cameron Herberts, Edmond Kwan, Gillian Vandekerckhove, Adam Foye, Rahul R. Aggarwal, Junjie T. Hua, Haolong Li, Anna Bergamaschi, Corinne Maurice-Dror, Ashutosh Maheshwari, Sujun Chen, Sarah Ng, Wenbin Ye, Jessica Petricca, Michael Fraser, Lisa Chesner, Marc Perry, Thaidy Moreno-Rodriguez, William S. Chen, Joshi J. Alumkal, Jonathan Chou, Alicia K. Morgans, Tomasz M. Beer, George V. Thomas, Martin Gleave, Paul Lloyd, Tierney Phillips, Erin McCarthy, Michael C. Haffner, Amina Zoubeidi, Robert E. Reiter, Matthew B. Rettig, Owen Witte, Lawrence Fong, Rohit Bose, Franklin Huang, Jianhua Luo, Anders Bjartell, Joshua M. Lang, Nupam Mahajan, Primo N. Lara, Christopher P. Evans, **Phuoc T. Tran**, Edwin M. Posadas, Chuan He, Xiaolong Cui, Jiaoti Huang, Wilbert Zwart, Luke A. Gilbert, Christopher A. Maher, Paul C. Boutros, Kim N. Chi, Alan Ashworth, Eric J. Small, Housheng H. H⁺,

- Alexander W. Wyatt⁺, David A. Quigley⁺, Felix Y. Feng⁺. 5-hydroxymethylcytosine sequencing as a biomarker for lineage plasticity and treatment response in advanced prostate cancer. 29th Annual PCF Meeting 2022.
232. Ashley E Ross, Huei-Chung (Rebecca) Huang, Jingbin (Ivy) Zhang, Rikiya Yamashita, Emmalyn Chen, Jeffry P. Simko, Sandy DeVries, Todd M. Morgan, Luis Souhami, Michael C Dobelbower, L Scott McGinnis, Christopher U. Jones, Robert T. Dess, Kenneth L. Zeitzer, Kwang Choi, Alan C. Hartford, Jeff M. Michalski, Adam Raben, Leonard G. Gomella, A Oliver Sartor, Seth A. Rosenthal, Howard M. Sandler, Daniel E. Spratt, Stephanie L. Pugh, Osama Mohamad, Andre Esteve, Edward M. Schaeffer, **Phuoc T. Tran**, Felix Y. Feng. Validation of a digital histopathology-based prognostic AI biomarker using multi-modal deep learning in high-risk prostate cancer on phase III randomized trial NRG/RTOG 9902. SUO Annual Meeting 2022.
233. Philip Sutera, Kim Van der Eecken, Amol C. Shetty, Yang Song, Theresa Hodges, Sofie Verbeke, Jo Van Dorpe, Valérie Fonteyne, Bram De Laere, Mark Mishra, Zaker Rana, Jason Molitoris, Matthew Ferris, Nicholas Roberts, Daniel Y. Song, Theodore DeWeese, Kenneth J. Pienta, Matthew P. Deek, Piet Ost, **Phuoc T. Tran**. Genomic determinants of patterns of failure in metachronous oligometastatic castration-sensitive prostate cancer. Genitourinary Cancers Symposium 2023.
234. Daniel E Spratt, Vinnie YT Liu, Rikiya Yamashita, Emmalyn Chen, Sandy DeVries, Ashley E Ross, Angela Y Jia, Todd M Morgan, Seth A Rosenthal, Howard M Sandler, Osama Mohamed, Andre Esteve, Jedidiah M Monson, Steven J Chmura, John H Carson, Alan C Hartford, Albert J Chang, Stephanie L Pugh, **Phuoc T. Tran**, Felix Y Feng. Patient-Level Data Meta-Analysis of a Multi-Modal Artificial Intelligence (MMAI) Prognostic Biomarker in High-Risk Prostate Cancer: Results from Six Phase III Randomized Trials. Genitourinary Cancers Symposium 2023. **Oral presentation** in the General Session of the Genitourinary Cancers Symposium 2023.
235. Bridget Koontz, Theodore Karrison, Thomas Pisansky, Edwin Posadas, Leslie Ballas, Alejandro Berlin, William A Hall, **Phuoc Tran**, Jennifer O'Daniel, Thomas Hope, Joseph P. Rodgers, Felix Feng. NRG-GU011: A Phase II Double-Blinded, Placebo-Controlled Trial of Prostate Oligometastatic Radiotherapy with or without Androgen Deprivation Therapy in Oligometastatic Prostate Cancer (NRG PROMETHEAN). Genitourinary Cancers Symposium 2023.
236. Adam B. Weiner, Alex Hakansson, Yang Liu, Ashley E. Ross, Eric Li, **Phuoc Tran**, Anis Hamid, Xin Zhao, Julian Ho, James Proudfoot, Elai Davicioni, Gerhard Attard, Daniel E. Spratt, Christopher Sweeney, Edward M. Schaeffer. Prostate cancer subtyping by gene expression identifies patients with differential response to radiation and chemohormonal therapies. Genitourinary Cancers Symposium 2023.
237. Soha Bazyar, Philip Sutera, Ryan Phillips, Mathew Pierre Deek, Noura Radwan, Catherine Handy Marshall, Mark V. Mishra, Zaker Hamid Rana, Jason K. Molitoris, Young Kwok, Santosh Gupta, Alisa Tubbs, Rick Wenstrup, Theodore L. DeWeese, Daniel Y. Song, Felix Y Feng, Kenneth J. Pienta, Emmanuel S. Antonarakis, Ana Ponce Kiess, **Phuoc T. Tran**. Prognostic impact of circulating tumor cells in oligometastatic hormone-sensitive prostate cancer following metastasis-directed therapy. Genitourinary Cancers Symposium 2023.
238. Zaker H. Rana, Nicole Helie, Caitlin Eggleston, Kaysee Baker, Jason K. Molitoris, Matthew J. Ferris, Akshar N. Patel, Young Kwok, Sarah McAvoy, Dan Kunaprayoon, Jack Hong, Matthew P. Deek, Philip Sutera, Rebecca A. Deek, Soren M. Bentzen, M. Minhaj Siddiqui, Heather Mannuel, Arif Hussain, **Phuoc T. Tran**, Mark V. Mishra. Phase 2 randomized Total Eradication of metastatic lesions following definitive Radiation to the Prostate in de novo oligometastatic prostate cancer (TERPS) trial. Genitourinary Cancers Symposium 2023.

239. Triet Nguyen, Audrey M. Lafargue, Francesca A. Carrieri, Nick Connis, Jinhee Chang, Shreya Jagtap, Pedro Torres-Ayuso, John Brognard, Christine L. Hann, **Phuoc T. Tran**. Investigating TNiK as a radiosensitizing target in lung squamous cell carcinoma. AACR Annual Meeting 2023.
240. Matthew Deek, Philip Sutera, Yuezhou Jing, Anis Hamid, Daniel Y Song, Movember Oligometastatic Prostate Cancer Consortium, Bruce Trock, **Phuoc T. Tran**, Silke Gillessen, Christopher Sweeney. Multi-Institutional Analysis of Metastasis Directed Therapy With or Without Androgen Deprivation Therapy in Oligometastatic Castration Sensitive Prostate Cancer. AUA Annual Meeting 2023. **Moderated Poster 29 – Prostate Cancer: Advanced II - AUA 2023 Best Poster Award.**
241. Philip Sutera, Kim Van der Eecken, Amol C. Shetty, Yang Song, Theresa Hodges, Sofie Verbeke, Jo Van Dorpe, Valérie Fonteyne, Bram De Laere, Mark Mishra, Zaker Rana, Jason Molitoris, Matthew Ferris, Nicholas Roberts, Daniel Y. Song, Theodore DeWeese, Kenneth J. Pienta, Matthew P. Deek, Piet Ost, **Phuoc T. Tran**. Genomic determinants of patterns of failure in metachronous oligometastatic castration-sensitive prostate cancer. **Oral presentation** in the GU Session of the ARS National Meeting 2023.
242. Matthew P. Deek, Amol C. Shetty, Yang Song, Jason A. Efstathiou, Felix Y. Feng , William U. Shipley, Jeffry P. Simko , Kent W. Mouw, David Miyamoto, Alan Pollack, M. Dror Michaelson, Anthony Zietman, John J. Coen, Douglas M. Dahl, Ashesh B. Jani , Luis Souhami, Brian K. Chang, R. Jeffrey Lee, Huong Thanh Pham, Joseph P Rodgers, **Phuoc T. Tran**. Prognostic Significance of Pretreatment Immune Cell Infiltration in Muscle Invasive Bladder Cancer Treated with Definitive Chemoradiation. ARS National Meeting 2023.
243. Rebecca Krc, William Mendes, Jason Molitoris, Matthew Ferris, Raneer Mehra, Kyle Hatten, Rodney Taylor, Jeffrey Wolf, William Regine, **Phuoc Tran**, Matthew Witek. Outcomes of Patients Treated with Re-Irradiation for Recurrent Head and Neck Cancer Using Pencil Beam Scanning Proton Therapy. ARS National Meeting 2023.
244. Yohan Kim, Ali Arafa, Edlira Horjeti, Philip Sutera, Ana Kiess, Ryan Phillips, **Phuoc Tran**, Sean Park, Fabrice Lucien. Tumor-Derived Extracellular Vesicles Predict Disease Recurrence in Oligometastatic Castration-Sensitive Prostate Cancer Treated with Stereotactic Ablative Radiotherapy: Analysis of the ORIOLE trial. International Society for Extracellular Vesicles (ISEV) Annual Meeting 2023.
245. Andrew J. Armstrong, Vinnie Y.T. Liu, Ramprasaath R. Selvaraju, Emmalyn Chen, Jeffry P. Simko, Sandy DeVries, A. Oliver Sartor, Howard M. Sandler, Osama Mohamad, Andre Esteve, **Phuoc T. Tran**, Daniel E. Spratt, John Carson, Christopher Peters, Elizabeth Gore, Steve P. Lee, Jedidiah M. Monson, Joseph P. Rodgers, Felix Y. Feng, Paul L. Nguyen. Development and validation of an AI-derived digital pathology-based biomarker to predict benefit of long-term androgen deprivation therapy with radiotherapy in men with localized high-risk prostate cancer across multiple phase III NRG/RTOG trials. **Oral presentation** at the ASCO National Meeting 2023.
246. Ryan M. Phillips, James A. Proudfoot, Elai Davicioni, Yang Liu, Daniel E. Spratt, Felix Y. Feng, Jeff M. Simko, Robert B. Den, Alan Pollack, Seth A. Rosenthal, A. Oliver Sartor, Christopher J. Sweeney, Gerhardt Attard, Samir Patel, Michael W. Straza, Jason A. Efstathiou, Amit B. Shah, Joseph P. Rodgers, Howard M. Sandler, **Phuoc T. Tran**. Basal-Luminal Subtyping of Localized High-Risk Prostate Cancer Identifies Benefit from Adding Docetaxel to Definitive Radiotherapy with Androgen Suppression in the NRG Oncology/RTOG 0521 Phase III Trial. ASCO National Meeting 2023.
247. Matthew P. Deek, Amol C. Shetty, Yang Song, Jason A. Efstathiou, Felix Y. Feng, William U. Shipley, Jeffry P. Simko, Kent W. Mouw, David Miyamoto, Alan Pollack, M. Dror Michaelson, Anthony Zietman, John J. Coen, Douglas M. Dahl, Ashesh B. Jani, Luis Souhami, Brian K. Chang, R. Jeffrey Lee, Huong Thanh Pham, Stephanie L. Pugh, **Phuoc T. Tran**. Prognostic Significance of Pretreatment Immune Cell Infiltration in Muscle Invasive Bladder Cancer Treated with Definitive Chemoradiation. ASCO National Meeting 2023.

248. Gregory S Alexander, Rebecca F Krc, James W Assif, Kai Sun, Jason K Molitoris, **Phuoc Tran**, Søren M. Bentzen, Zaker Rana, Mark V Mishra. Conditional Risk and Predictive Factors Associated with Late Toxicity for Prostate Cancer Patients Treated with External Beam Radiotherapy Alone on Randomized Trial RTOG 0126. **Oral presentation** for the ASTRO National Meeting 2023.
249. Matthew P. Deek, Amol C. Shetty, Yang Song, Jason A. Efstathiou, Felix Y. Feng, William U. Shipley, Jeffry P. Simko, Kent W. Mouw, David Miyamoto, Alan Pollack, M. Dror Michaelson, Anthony Zietman, John J. Coen, Douglas M. Dahl, Ashesh B. Jani, Luis Souhami, Brian K. Chang, R. Jeffrey Lee, Huong Thanh Pham, Joseph P. Rodgers, **Phuoc T. Tran**. Prognostic Significance of Pretreatment Immune Cell Infiltration in Muscle Invasive Bladder Cancer Treated with Definitive Chemoradiation. **Oral presentation** for the ASTRO National Meeting 2023.
250. Ryan M. Phillips, James A. Proudfoot, Elai Davicioni, Daniel E. Spratt, Felix Y. Feng, Jeff M. Simko, Robert B. Den, Alan Pollack, Seth A. Rosenthal, A. Oliver Sartor, Christopher J. Sweeney, Gerhardt Attard, Samir Patel, William A. Hall, Jason A. Efstathiou, Amit B. Shah, Karen E. Hoffman, Stephanie L. Pugh, Howard M. Sandler, **Phuoc T. Tran**. Validation of a Genomic Classifier in the NRG Oncology/RTOG 0521 Randomized Phase III Trial of Docetaxel With Androgen Suppression and Radiotherapy for Localized High-Risk Prostate Cancer. **Oral presentation** for the ASTRO National Meeting 2023.
251. Alan Dal Pra, Jessica A Lyness, Alan Pollack, **Phuoc T Tran**, Bridget F. Koontz, Matthew C. Abramowitz, Brandon A. Mahal, André-Guy Martin, Jeff M. Michalski, Alexander G. Balogh, Himanshu R. Lukka, Sergio L. Faria, George B. Rodrigues, Marie-Claude Beauchemin, R. Jeffrey Lee, Samantha A. Seaward, Scott D. Coen, Aaron M. Allen, Stephanie L. Pugh, Felix Y. Feng. Impact of Testosterone Recovery on Clinical Outcomes of Patients Treated with Salvage Radiotherapy and Androgen Suppression: A Secondary Analysis of the NRG/RTOG 0534 SPPORT Phase 3 Trial. **Oral presentation** for the ASTRO National Meeting 2023.
252. Edlira Horjeti, Yohan Kim, Ali Arafa, Philip Sutera, Ryan Phillips, Daniel Song, Ana Kiess, **Phuoc Tran**, Sean Park, Fabrice Lucien. Tumor-Derived Extracellular Vesicles Predict Disease Recurrence in Oligometastatic Castration-Sensitive Prostate Cancer Treated with Stereotactic Ablative Radiotherapy: Analysis of the ORIOLE trial. **Oral presentation** for the ASTRO National Meeting 2023.
253. Yufeng Cao, Philip Sutera, William Silva Mendes, Bardia Yousefi, Tom Hrinivich, Matthew Deek, Ryan Phillips, Danny Song, Ana Kiess, Ozan Cem Guler, Nese Torun, Mehmet Reyhan, **Phuoc Tran**, Cem Onal, Lei Ren. Automatic prediction of metastasis-free survival (MFS) using prostate-specific membrane antigen (PSMA) PET for oligometastatic castration-sensitive prostate cancer (omCSPC). **Quick Pitch Oral presentation** for the ASTRO National Meeting 2023.
254. James W Assif, Gregory S Alexander, Rebecca F Krc, Kai Sun, Jason K Molitoris, **Phuoc Tran**, Søren M. Bentzen, Zaker Rana, Mark V Mishra. Conditional Prostate Cancer-Specific Survival Probabilities in Recurrent Prostate Cancer (PCa) Patients Receiving Radiation ± Antiandrogen Therapy: Secondary Analysis of a Randomized Clinical Trial. ASTRO National Meeting 2023.
255. Rebecca Krc, William Mendes, Jason Molitoris, Matthew Ferris, Raneer Mehra, John Papadimitriou, Kyle Hatten, Rodney Taylor, Jeffrey Wolf, Kai Sun, Soren Bentzen, William Regine, **Phuoc Tran**, Witek, Matthew. Outcomes of Patients Treated with Re-Irradiation for Recurrent Head and Neck Cancer Using Pencil Beam Scanning Proton Therapy. ASTRO National Meeting 2023.
256. Philip Sutera, Amol C. Shetty, Alex Hakansson, Kim Van der Eecken, Yang Song, Yang (Seagle) Liu, Valérie Fonteyne, Sofie Verbeke, Daniel Y. Song, Ashely E. Ross, Felix Feng, Silke Gillessen, Gerhardt Attard, Nicholas D. James, Tamara Lotan, Elai Davicioni, Christopher Sweeney, **Phuoc T. Tran**, Matthew P. Deek, Piet Ost. Transcriptomic heterogeneity of metastatic disease timing within metastatic castration-sensitive prostate cancer. ASTRO National Meeting 2023.

257. Philip Sutera, Amol C. Shetty, Yang Song, Theresa Hodges, Tung Hoang, Zaker Rana, Kenneth Pienta, Felix Feng, Daniel Y. Song, Theodore DeWeese, Silke Gillessen, Nicholas James, Gerhardt Attard, Matthew Deek, **Phuoc T. Tran**. Identification of a predictive genomic biomarker for prostate directed therapy in synchronous low-volume metastatic castration sensitive prostate cancer. ASTRO National Meeting 2023.
258. Phillip Sutera, Matthew Deek, Yuezhou Jing, David Pryor, Mai Anh Huynh, Bridget Koontz, Carole Mercier, Piet Ost, Ana Kiess, Antonio Conde-Moreno, Bradley Stish, Davide Giovanni Bosetti, Shankar Siva, Alejandro Berlin, Stephanie Kroeze, Niall Corcoran, Bruce Trock, Silke Gillessen, **Phuoc Tran**, Christopher Sweeney. Multi-Institutional Analysis of Metastasis Directed Therapy With or Without Androgen Deprivation Therapy in Oligometastatic Castration Sensitive Prostate Cancer. ASTRO National Meeting 2023.
259. Soha Bazyar, Philip Sutera, Ryan Phillips, Matthew P. Deek, Noura Radwan, Catharine Marshall, Mark Mishra, Zaker Rana, Jason Molitoris, Young Kwok, Santosh Gupta, Rick Wenstrup, Theodore L. DeWeese, Daniel Y. Song, Felix Feng, Kenneth J. Pienta, Emmanuel S. Antonarakis, Ana Kiess, **Phuoc T. Tran**. Prospective characterization of circulating tumor cells in hormone sensitive oligometastatic prostate cancer patients on a metastasis-directed therapy trial. ASTRO National Meeting 2023.
260. Tung Hoang, Philip Sutera, Triet Nguyen, Jinhee Chang, Shreya Jagtap, Yang Song, Amol C. Shetty, Dipanwita D. Chowdhury, Aaron Chan, Francesca A. Carrieri, Daniel Y. Song, Theodore DeWeese, Audrey Lafargue, Kim Van Der Eecken, Fred Bunz, Piet Ost, **Phuoc T. Tran**, Matthew Deek. The Impact of *TP53* Mutations and Use of the TP53-Mutation-Reactivating Agent APR-246 on Metastatic Castrate-Sensitive Prostate Cancer. ASTRO National Meeting 2023. *Submitted*.
261. Yufeng Cao, Philip Sutera, William Silva Mendes, Bardia Yousefi, Tom Hrinivich, Matthew Deek, Ryan Phillips, Danny Song, Ana Kiess, Ozan Cem Guler, Nese Torun, Mehmet Reyhan, **Phuoc Tran**, Cem Onal, Lei Ren. Automatic prediction of metastasis-free survival (MFS) using prostate-specific membrane antigen (PSMA) PET for oligometastatic castration-sensitive prostate cancer (omCSPC) treated by Metastasis Directed Therapy (MDT). AAPM National Meeting 2023. *Submitted*.

Oral Presentations:

1. Keystone Symposium on Molecular Mechanisms of DNA Replication and Recombination: “Repairosomes” workshop (2002 – Snowbird, UT). “Studies on the catalytic activities of Exo1p and their involvement during DNA mismatch repair”. **Keystone Abstract Scholarship.**
2. Gordon Research Conference: Radiation Oncology (2005 – Ventura, CA). “A mutation in EXO1 defines separable roles in DNA mismatch repair and a MutL-alpha-independent DNA damage tolerance pathway”. **ASTRO awardee.**
3. Radiation Research Society (RRS)-ASTRO national meeting Minisymposium: Mechanisms of DNA Repair (2005 - Denver, CO). “A mutation in EXO1 defines separable roles in DNA mismatch repair and a MMR-independent DNA damage tolerance pathway”.
4. RSNA national meeting, Radiation Oncology and Radiobiology: Gyn Onc session (2005 – Chicago, IL). “Long Term Survivors Using Intraoperative Radiation Therapy for Recurrent Non-Ovarian Gynecologic Malignancies”.
5. American Radium Society (ARS – Amsterdam, Netherlands) meeting (2007). “Probing Oncogene-dependence with a Novel Murine Lung Tumor Model System”. **ARS Travel Grant.**
6. Stanford University Medical Center, Division of Medical Oncology & Hematology Research Retreat (October 10, 2007 – Stanford, CA). “Rationale for Combined Inactivation of MYC and *K-Ras*^{G12D} Oncogenes for Inhibition of Tumor Maintenance”.
7. Oregon Health and Science University (OHSU), Radiation Medicine Visiting Scholar (April 16, 2008 – Portland, OR). “Rationale for Combined Inactivation of MYC and *K-Ras*^{G12D} Oncogenes for Inhibition of Tumor Maintenance”.
8. UC San Diego (UCSD), Radiation Oncology Center for Advanced Radiotherapy Technologies (CART) Seminar series (August 1, 2008 – San Diego, CA). “Mathematical modeling of survival and death signals predicts oncogene addiction”.
9. Virginia Commonwealth University, Massey Cancer Center (October 15, 2008 – Richmond, VA). “Conditional mouse models of Kras- & MYC-induced lung tumorigenesis: *Exploring principles of targeted therapy*”.
10. UC Los Angeles (UCLA), Radiation Oncology Translational Thursday Seminar series (October 30, 2008 – Los Angeles, CA). “Conditional mouse models of Kras- & MYC-induced lung tumorigenesis: *Exploring principles of targeted therapy*”.
11. Johns Hopkins University (JHU), Radiation Oncology (November 10, 2008 – Baltimore, MD). “Conditional mouse models of Kras- & MYC-induced lung tumorigenesis: *Exploring principles of targeted therapy*”.
12. Stanford University Medical Center, Health Research and Policy research noon conference (December 5, 2008 – Stanford, CA). “Evaluation of stereotactic body therapy concurrent with nelfinavir for oligometastases”.
13. University of Pennsylvania, Radiation Oncology (December 10, 2008 – Philadelphia, PA). “Conditional mouse models of Kras- & MYC-induced lung tumorigenesis: *Exploring principles of targeted therapy*”.
14. University of Chicago, Radiation & Cellular Oncology (December 15, 2008 – Chicago, IL). “Conditional mouse models of Kras- & MYC-induced lung tumorigenesis: *Exploring principles of targeted therapy*”.

15. Stanford University Medical Center, Division of Pediatric Hematology-Oncology research noon conference (January 9, 2009 – Stanford, CA). “Multi-Scale Modeling Predicts when Oncogene Inactivation Will Result in Tumor Regression”.
16. Stanford Comprehensive Cancer Center, Molecular Therapeutics Retreat (January 20, 2009 – Stanford, CA). “Multi-Scale Modeling Predicts when Oncogene Inactivation Will Result in Tumor Regression”.
17. Stanford Association for Multi-Disciplinary Medicine & Science Chalk Talk (March 17, 2009 – Stanford, CA). “Imaging surrogates as prognostic and predictive biomarkers”.
18. JHU, Sidney Kimmel Comprehensive Cancer Center (SKCCC) Chemical Therapeutics Seminar (October 26, 2009 – Baltimore, MD). “SBRT for Localized Prostate CA: Radiobiologic Rationale & Cyberknife Results”.
19. JHU, Brady Urology Prostate Cancer Advisory Board Meeting (October 29, 2009 – New York, NY). “Radiation Oncology Prostate Cancer Update”.
20. JHU, Radiation Oncology Grand Rounds (November 16, 2009 – Baltimore, MD). “Chromosomal rearrangements in epithelial tumors: *ETS* fusions reset the dogma”.
21. JHU, Brady Urology Prostate Cancer Research Day (February 6, 2010 – Baltimore, MD). “Radiation Oncology Prostate Cancer Update”.
22. JHU, Brady Urology Grand Rounds (February 25, 2010 – Baltimore, MD). “SBRT for Localized Prostate CA: Radiobiologic Rationale & Cyberknife Results”.
23. JHU, SKCCC Prostate Education and Support Group seminar series (April 27, 2010 – Baltimore, MD). “CyberKnife for Prostate Cancer: Hype, Hope...No, Just Hypofractionation.”
24. ASTRO national meeting: Novel Targets and Biomarkers of Tumor Radioresponse (November 3, 2010 – San Diego, CA). “Reactivation of oncogene-induced senescence in *Kras* lung tumors by inhibition of *Twist1*”. **ASTRO Abstract Award.**
25. World Presidents’ Organization Health Network Foundation Program for JHU Men’s Health Day (November 20, 2010 – Baltimore, MD). “Prostate Cancer: Prevention, Screening and Treatment Options”.
26. RTOG Semi-annual Meeting - Genitourinary Translational Research Program (January 14, 2011 – San Diego, CA). “MYC as a biomarker to direct statin targeted radiosensitization for definitive treatment of prostate cancer”.
27. George O’Brien Center at Johns Hopkins University Advisory Committee Meeting (January 25, 2011 – Baltimore, MD). “*TWIST1* and Embryonic Reawakening in benign prostatic hyperplasia revisited”.
28. OHSU, Radiation Medicine Visiting Scholar (April 21, 2011 – Portland, OR). “Reactivation of oncogene-induced senescence as treatment for lung cancer”.
29. JHU, SKCCC Chemical Therapeutics Seminar (May 9, 2011 – Baltimore, MD). “Reactivation of oncogene-induced senescence as treatment for lung cancer”.
30. JHU, Radiation Oncology and Molecular Radiation Sciences *Modulating Radiation Response - Cancer Fundamentals to Therapy* Symposium (May 13, 2011 – Baltimore, MD). “Inhibition of *Twist1* as treatment for lung cancer”.

31. JHU, SKCCC Chemical Therapeutics Retreat (June 15, 2011 – Baltimore, MD). “Inhibition of *Twist1* as treatment for lung cancer”.
32. RTOG Semi-annual Meeting – Head and Neck Translational Research Program (June 16, 2011 – Philadelphia, PA). “Reactivation of oncogene-induced senescence in lung tumors by inhibition of *Twist1*”.
33. UC San Diego, Radiation Oncology CART Seminar series (July 1, 2011 – San Diego, CA). “*Generic* radiosensitizers - Finding new uses for old drugs”.
34. JHU, SKCCC Translational Research Conference (October 19, 2011 – Baltimore, MD). “Inducible *Twist1* Transgenic Mouse Models – Tools for Translational Discovery.”
35. University of Pennsylvania, Radiation Oncology (February 9, 2012 - Philadelphia, PA). “Inducible *Twist1* Transgenic Mouse Models – Tools for Translational Discovery”.
36. JHU, Brady Urology Prostate Cancer Research Day (February 25, 2012 – Baltimore, MD). “Using High-Dose Statins to Target MYC-overexpressing Prostate Cancers”.
37. JHU, SKCCC Chemical Therapeutics Seminar (May 7, 2012 – Baltimore, MD). “A 20-Gene Expression Profile that is Prognostic in Human Liver Cancer Derived from a *Twist1*-Induced Liver Cancer Metastasis Model”.
38. University of Southern California, Division of Pulmonary and Critical Care Medicine seminar series (June 1, 2012 – Los Angeles, CA). “Inducible *Twist1* Transgenic Mouse Models – Tools for Translational Discovery.”
39. JHU, Brady Urology Prostate Cancer Advisory Board Meeting (June 5, 2012 – Baltimore, MD). “Using High-Dose Statins to Target MYC-overexpressing Prostate Cancers”.
40. JHU, SKCCC Chemical Therapeutics Faculty Meeting Seminar (June 20, 2012 – Baltimore, MD). “A 20-Gene Expression Profile that is Prognostic in Human Liver Cancer Derived from a *Twist1*-Induced Liver Cancer Metastasis Model”.
41. JHU, SKCCC GI Oncology Retreat (July 11, 2012 – Baltimore, MD). “Tran Lab Liver Cancer Studies”.
42. JHU, SKCCC Monthly Hepatobiliary Cancer Research Exchange (August 15, 2012 – Baltimore, MD). “Concurrent versus sequential sorafenib therapy in combination with radiation for hepatocellular carcinoma”.
43. JHU, In Vivo Cellular and Molecular Imaging Center (ICMIC) Retreat (October 11, 2012 – Baltimore, MD). “*Twist1*-Mediated Cultivation of the Pre-Metastatic Niche”.
44. Uniting Against Lung Cancer Investigator Meeting (November 15, 2012 – New York, NY). “Screening for TWIST1 inhibitors as treatment for lung cancer”.
45. JHU, Radiation Oncology Grand Rounds (February 18, 2013 – Baltimore, MD). “Screening for TWIST1 inhibitors as treatment for cancer”.
46. OHSU, Radiation Medicine Visiting Scholar (May 9, 2013 - Portland, OR). “Inducible *Twist1* Transgenic Mouse Models – Tools for Translational Discovery”.
47. I Congress of Oncology D'Or, Meeting with Johns Hopkins Experts (July 6, 2013 - Rio de Janeiro, Brazil). “Extreme Hypofractionation for Localized Prostate CA: Radiobiologic Rationale & Early Results”.

48. I Congress of Oncology D'Or, Meeting with Johns Hopkins Experts (July 6, 2013 - Rio de Janeiro, Brazil). "Non-surgical combined modality treatment approaches for muscle invasive bladder cancer".
49. Stanford University Medical Center, Radiation Oncology Visiting Professor (October 28, 2013 – Stanford, CA). "Structure-functions studies of the TWIST1 oncoprotein in lung and prostate cancer".
50. Amtrak Alliance - Baltimore-Philadelphia Prostate Cancer Summit (November 1, 2013 – Baltimore, MD). "Phase I Trial of HSP90 inhibition and radiation-androgen deprivation therapy for high-risk, localized and locally advanced prostate cancer".
51. 6th Biennial TEMTIA Meeting: Symposium I – Cell/Molecular Biology of EMT (November 13, 2013 – Alicante, Spain). "The Twist box domain is required for TWIST1-induced metastasis of prostate cancer cells".
52. JHU, In Vivo Cellular and Molecular Imaging Center (ICMIC) Retreat (November 25, 2013 – Baltimore, MD). "Twist1-Mediated Cultivation of the Pre-Metastatic Niche".
53. JHU, Brady Urology Prostate Cancer Research Day (February 8, 2014 – Baltimore, MD). "Phase I Trial of HSP90 inhibition and radiation-androgen deprivation therapy for high-risk, localized and locally advanced prostate cancer".
54. UCSD, Moores Comprehensive Cancer Center (April 18, 2014 – San Diego, CA). "Structure-function studies of the TWIST1 oncoprotein in lung and prostate cancer".
55. Delaware Society for Clinical Oncology (May 22, 2014 – Wilmington, DE). "Emerging genetic tests for localized prostate cancer: ready for prime time?".
56. Prostate Cancer UK 11th Biennial Prostate Cancer Forum (June 13, 2014 – Baltimore, MD). "SBRT/SBAR for Oligomets".
57. JHU, SKCCC Chemical Therapeutics Faculty Meeting Seminar (September 8, 2014 – Baltimore, MD). "Bioinformatic-chemical screen for inhibitors of Twist1".
58. 2nd Amtrak Alliance - Baltimore-Philadelphia Prostate Cancer Summit (November 7, 2014 – Philadelphia, PA). "SBRT/SBAR for Oligomets".
59. JHU, SKCCC Translational Research Conference (February 11, 2015 – Baltimore, MD). "Credentialing TWIST1 as a Therapeutic Target in Lung and Prostate Cancer".
60. JHU, Brady Urology Prostate Cancer Working Group (February 20, 2015 – Baltimore, MD). "Consolidative Local Therapies for Oligometastatic Prostate Cancer".
61. NCI DCTD Lung Cancer Clinical Trials Working Group Webinar (February 23, 2015 – Baltimore, MD). "ATR Inhibitor pre-clinical data/ Phase I co-clinical concept".
62. JHU, Radiation Oncology Grand Rounds (February 24, 2015 – Baltimore, MD). "Credentialing TWIST1 as a Therapeutic Target in Lung and Prostate Cancer".
63. 8th Multi-institutional Prostate Cancer SPORE Retreat (March 16, 2015 – Ft. Lauderdale, FL). "Stereotactic Ablative Radiation for Treatment of Oligometastatic Disease".
64. Georgetown University Medical Center, Biochemistry and Molecular & Cellular Biology (March 31, 2015 – Washington DC). "Credentialing TWIST1 as a Therapeutic Target in Lung and Prostate Cancer".

65. PCF-Young Investigator Community Radiotherapy/ Radiobiology Working Group webinar (May 14, 2015 – Baltimore, MD). “SBRT for Oligometastatic Prostate Cancer”.
66. AbbVie JHU Meeting (May 14, 2015 – Baltimore, MD). “AbbVie Visit: Credentialing TWIST1 & ”Pre-clinical Models.
67. JHU 38th Biennial Meeting & Reunion – SKCCC Seminar (June 5, 2015 – Baltimore, MD). “Altering the Natural History of Oligometastatic Prostate Cancer with Local Ablative Therapies”.
68. PCF Norway Prostate Cancer Symposium 2015 – Accelerating Innovations and Advancing Discovery (June 12, 2015 – Oslo, Norway). “Advanced Radio-therapeutic approaches to manage Prostate Cancer – Stereotactic Ablative Techniques for Oligometastatic Prostate Cancer”.
69. PCF Norway Prostate Cancer Symposium 2015 – Accelerating Innovations and Advancing Discovery (June 12, 2015 – Oslo, Norway). “Advanced Radio-therapeutic approaches to manage Prostate Cancer - Proton Beam - Does this costly technology improve outcomes?”.
70. PCF Coffey-Holden Prostate Cancer Academy Meeting (June 28, 2015 – La Jolla, CA). “Metastasis Directed Therapy – The Radiation Oncologist’s Perspective”.
71. JHU, Brady Urology Grand Rounds (September 10, 2015 – Baltimore, MD). “Stereotactic Ablative Techniques for Oligometastatic Prostate Cancer”.
72. 7th Biennial TEMTIA Meeting: Symposium I – Clinical EMT (October 11, 2015 – Melbourne, Australia). “Identification of a first in class TWIST1 inhibitor with activity in KRAS mutant lung cancer”.
73. Movember Foundation Visiting Professor (October 13, 2015 – Melbourne, Australia). “Stereotactic Ablative Techniques for Oligometastatic Prostate Cancer”.
74. Clemenceau Medical Center - Cancer Forum (October 30, 2015 – Beirut, Lebanon). “SBRT for the Treatment of Primary and Secondary Lung Malignancies”.
75. Clemenceau Medical Center - Cancer Forum (October 30, 2015 – Beirut, Lebanon). “Oligometastatic disease: paradigm shift from palliative approach to curative approach”.
76. University of Chicago, Radiation & Cellular Oncology Visiting Professor (February 12, 2016 – Chicago, IL). “Metastatic Prostate Cancer – Basic to Clinical Interrogation”.
77. European Society for Radiotherapy & Oncology (ESTRO) 35th meeting: *Small Animal Radiation* (May 2, 2016 – Turin, Italy). “Radiation biology studies with a small animal irradiator: Results from the Research Programme at Johns Hopkins University”.
78. NCI Future of Radiobiology Workshop (May 16, 2016 – NCI Shady Grove Campus, MD). “Mechanistic model systems for studying radiation biology”.
79. 3rd Amtrak Alliance - Baltimore-Philadelphia Prostate Cancer Summit (May 20, 2016 – Baltimore, MD). “Key Questions in Localized Prostate Cancer”.
80. JHU SKCCC Lung Cancer Program Preclinical Translational Research Retreat (June 18, 2016 – Baltimore, MD). “Modeling epithelial-mesenchymal transition-induced erlotinib resistance in mutant *EGFR* lung cancer”.

81. JHU SKCCC Lung Cancer Program Preclinical Translational Research Retreat (June 18, 2016 – Baltimore, MD). “O-GlcNAcylation is required for mutant *KRAS*-induced lung tumorigenesis”.
82. NCI Lung Cancer SPORE Workshop (June 24, 2016 – Bethesda, MD). “O-GlcNAcylation is required for mutant *KRAS*-induced lung tumorigenesis”.
83. PCF-Young Investigator Community Radiotherapy/ Radiobiology Working Group webinar (September 20, 2016 – Baltimore, MD). “Metastatic Prostate Cancer – Basic to Clinical Interrogation”.
84. ASTRO national meeting: Translational Research - Tumor Biology and Biomarkers. (September 26, 2016 – Boston, MA). “SNAI1 regulates the hexosamine biosynthesis pathway to promote Kras mutant lung tumorigenesis”.
85. OHSU, Radiation Medicine 10th Annual Rubenstein Research Retreat (October 1, 2016 - Portland, OR). “Genetically Engineered Mouse Models for Studying Radiation Biology”.
86. 62nd Annual 2016 Radiation Research Society (RRS) Meeting (October 19, 2016 – Kona, HI). “O-linked glycosylations important for the lung cancer phenotype”.
87. UCLA, Prostate Cancer SPORE and Jonsson Comprehensive Cancer Center Visiting Professor (November 15, 2016 – Los Angeles, CA). “Metastatic Prostate Cancer – Basic to Clinical Interrogation”.
88. Memorial Sloan Kettering Cancer Center (MSKCC), Radiation Oncology Grand Rounds (November 30, 2016 – New York, NY). “Pathogenic Role of Epithelial Plasticity in Tumorigenesis and Metastasis”.
89. Emory University, Winship Cancer Institute Elkin Lecture (December 16, 2016 – Atlanta, GA). “Pathogenic Role of Epithelial Plasticity in Tumorigenesis and Metastasis”.
90. Society of Nuclear Medicine and Molecular Imaging (SNMMI) Mid-Winter Meeting, Prostate Cancer Imaging and Prostate Therapy (January 19, 2017 – Phoenix, AZ). “The Role of Imaging in Radiation Planning”.
91. Rutgers Cancer Institute of New Jersey, Radiation Oncology 4-R Symposium (February 23, 2017 – New Brunswick, NJ). “Overcoming cancer treatment resistance by targeting epithelial tumor cell plasticity”.
92. ACRO national meeting: The Future of Metastatic Disease (March 11, 2017 – Orlando, FL). “Oligo-Metastatic Disease: It’s Getting Real”.
93. University of Arkansas for Medical Sciences, Winthrop P. Rockefeller Cancer Institute (March 13, 2017 – Little Rock, AR). “O-GlcNAcylation is required for mutant *KRAS*-induced lung tumorigenesis”.
94. Center for Molecular Carcinogenesis, Dept. Pathology, Anatomy & Cell Biology, Thomas Jefferson University, 2nd Annual Forum on Signaling Pathways and Non-coding RNAs in Carcinogenesis, Prevention and Therapy of Malignant Tumors (April 1, 2017 – Washington DC). “O-GlcNAcylation is required for mutant *KRAS*-induced lung tumorigenesis”.
95. Medical College of Wisconsin, Dept. Cell Biology, Neurobiology & Anatomy Seminar Series (May 17, 2017 – Milwaukee, WI). “Epithelial plasticity-induced O-linked glycosylations important for the *KRAS* mutant lung cancer phenotype”.
96. Medical College of Wisconsin, Dept. Radiation Oncology Grand Rounds (May 17, 2017 – Milwaukee, WI). “Metastatic Prostate Cancer – Basic to Clinical Interrogation”.

97. University of Texas Southwestern (UTSW), Dept. Radiation Oncology, Molecular Radiation Biology Seminar Series (May 31, 2017 – Dallas, TX). “Pathogenic Role of Epithelial Plasticity in Tumorigenesis and Metastasis”.
98. UTSW, Dept. Urology Grand Rounds (May 31, 2017 – Dallas, TX). “Oligometastatic Prostate Cancer - Role for the Local Therapists?”.
99. ASCO national meeting: Clinical Problems in Oncology Session - How to Integrate Multimodal Therapy Into the Management of Castration-Resistant Prostate Cancer. (June 2, 2017 – Chicago, IL). “Stereotactic Body Radiation: What Is Its Role in Advanced Disease?”.
100. NCI-ASTRO-SITC Immunotherapy Workshop – Incorporating Radiation Oncology into Immunotherapy (June 15, 2017 – Bethesda, MD). “Immunogenic local therapies that produce abscopal responses – radiotherapy and cryotherapy”.
101. Earle A. Chiles Research Institute, Robert W. Franz Cancer Research Center (August 18, 2017 – Portland, OR). “Epithelial tumor cell plasticity and cancer treatment resistance”.
102. RefleXion Consortium Meeting (August 25, 2017 – Hayward, CA). “PSMA Directed Imaging of Prostate Cancer – Focus on Androgen Receptor Dynamics in the Oligometastatic Space”.
103. NCI Defining the Shades of Gy Workshop: Utilizing the biological consequences of radiation therapy in the development of new treatment approaches. Session VI - “Biological consequences of clinical relevance: how can we exploit biology?” (September 12, 2017 – NCI Shady Grove Campus, MD). “Generation of Cancer Cell Specific Micronuclei as a Novel Strategy to Increase Cancer Immunogenicity”.
104. ASTRO National Meeting, Session SS28 – GU1 – Genomics, Imaging and Salvage Local Therapies after Prostatectomy or Post-radiotherapy Relapse, Discussant (September 25, 2017 – San Diego, CA).
105. ASTRO National Meeting, Session ES – Altering the Natural History of Oligometastatic Prostate Cancer: "Reality versus Illusion" (September 26, 2017 – San Diego, CA). “Oligometastatic Prostate Cancer: Biology & Movember GAP6 Project”
106. JHU, Brady Urology Grand Rounds (November 9, 2017 – Baltimore, MD). “Which is better for high-risk prostate cancer - surgery versus radiation-hormones? Enter SPCG-15”.
107. JHU, Brady Urology Prostate Research Day (December 7, 2017 – Baltimore, MD). “Hopkins SABR Oligometastatic Prostate Cancer Studies”.
108. JHU, Brady Urology Long Rifles (January 3, 2018 – Baltimore, MD). “Biochemical Recurrence - Hopkins SABR Oligometastatic Prostate Cancer Studies”.
109. NRG Semi-annual Meeting - Genitourinary (GU) Translational Science Sub-committee (January 26, 2018 – Phoenix, AZ). “Examination of epithelial plasticity-induced treatment resistance using RTOG 0521 biopsy samples”.
110. RefleXion Consortium Meeting (February 2, 2018 – Atlanta, GA). “Clinical Study Session: Prostate”.
111. 11th Multi-institutional Prostate Cancer SPORE Retreat (March 4, 2018 – Ft. Lauderdale, FL). “Generation of Cancer Cell Specific Micronuclei as a Novel Strategy to Increase Cancer Immunogenicity”.

112. 3rd Annual Forum on Signaling Pathways and Non-coding RNAs in Carcinogenesis, Prevention and Therapy of Malignant Tumors (April 16, 2018 – Chicago, IL). “Metastatic Prostate Cancer – Basic to Clinical Interrogation”.
113. ESTRO 37th meeting – CL10 prostate (April 23, 2018 – Barcelona, Spain). “Interim results of a randomized trial of observation versus SABR for oligometastatic prostate cancer”.
114. University of North Carolina School of Medicine, Lineberger Comprehensive Cancer Center Grand Rounds Seminar Series, (May 9, 2018 – Chapel Hill, NC). “Metastatic Prostate Cancer – Basic to Clinical Interrogation”.
115. PCF Coffey-Holden Prostate Cancer Academy Meeting (June 23, 2018 – Los Angeles, CA). “Radiation therapy in oligometastatic recurrent or progressive prostate cancer”.
116. 64th Annual 2018 RRS Meeting (September 26, 2018 – Chicago, IL). “Radiation biology studies with a small animal irradiator”.
117. ASCO Advantage Oncology Education for Industry Professionals - Prostate Cancer Program (October 4, 2018 – Alexandria, VA). “Management of Oligometastatic Disease: From Imaging to Therapy”.
118. ASTRO National Meeting, Session GU 3 - New Insights into Treatment Intensification Strategies for Prostate Cancer, Discussant (October 23, 2018 – San Antonio, TX).
119. 19th Annual 2018 Society of Urologic Oncology (SUO) Meeting (November 29, 2018 – Phoenix, AZ). “PSMA-Guided Metastasis Directed Radiation”.
120. University of Pittsburgh Medical Center, Hillman Cancer Center Grand Rounds Seminar Series, (December 18, 2018 – Pittsburgh, PA). “O-GlcNAcylation is required for mutant *KRAS*-induced lung tumorigenesis”.
121. NRG Semi-annual Meeting - Translational Science Committee (February 7, 2019 – Phoenix, AZ). “NRG GU Translational Research”.
122. Movember GAP6 Strategy Meeting (February 17, 2019 – San Francisco, CA). “ORIOLE CTCs & TCR-seq Correlatives”.
123. ASCO Advantage Oncology Education for Industry Professionals - Prostate Cancer Program (February 26, 2019– Alexandria, VA). “Treatment of Local/Regional Disease: Local and Systemic Therapy”.
124. ASCO Advantage Oncology Education for Industry Professionals - Prostate Cancer Program (February 27, 2019– Alexandria, VA). “Biochemical Recurrence: Evaluation and Treatment”.
125. SKCCC Cancer Invasion and Metastasis (CIM) Program Annual Retreat (April 25, 2019 – Baltimore, MD). “Ablative Therapy in Oligometastatic Prostate Cancer”.
126. MD Anderson, Dept. of Radiation Oncology Grand Rounds (May 1, 2019 – Houston, TX). “Oligometastatic Prostate Cancer – Basic to Clinical Interrogation”.
127. Rutgers Cancer Institute of New Jersey, Dept. of Radiation Oncology Grand Rounds (May 7, 2019 – New Brunswick, NJ). “Oligometastatic Prostate Cancer – Basic to Clinical Interrogation”.
128. ASTRO-RSNA Treatment of Oligometastatic Disease: Closer to the Cure Workshop, Keynote Speaker (June 13, 2019 – Washington DC). “From Idea to Clinical Practice: A Brief History of Oligometastatic Disease”.

129. Australian and New Zealand Urogenital and Prostate (ANZUP) Cancer Trials Group Annual Scientific Meeting 2019, Translational Research Symposium Session (July 21, 2019 – Brisbane, Australia). “Immunogenic local therapies that produce abscopal responses – radiotherapy and cryotherapy”.
130. ANZUP Cancer Trials Group Annual Scientific Meeting 2019, “Better When We’re Together” Session (July 22, 2019 – Brisbane, Australia). “New directions for radiation therapy in metastatic prostate cancer”.
131. ANZUP Cancer Trials Group Annual Scientific Meeting 2019, “Common Ground and Rare Insights” Session (July 23, 2019 – Brisbane, Australia). “Optimizing the management of PSA recurrence”.
132. ANZUP Cancer Trials Group Annual Scientific Meeting 2019, “Opportunities for Collaboration” Session (July 23, 2019 – Brisbane, Australia). “NRG GU Translational Research Portfolio overview”.
133. 16th International Conference on Radiation Research, Preclinical Studies on Immune Response and Radiation Session (August 27, 2019 – Manchester, UK). “Immunogenic local therapies that produce abscopal responses – radiotherapy and cryotherapy”.
134. ASCO Advantage Oncology Education for Industry Professionals - Prostate Cancer Program (August 28, 2019– Alexandria, VA). “Treatment of Local/Regional Disease: Local and Systemic Therapy”.
135. ASTRO National Meeting, Immunotherapy Will Only Be Universally Curative If Delivered With Radiation Therapy Special Session (September 15, 2019 – Chicago, IL). “Immunotherapy and Radiation – Pre-clinical Highlights”.
136. ASTRO National Meeting, ASTRO-ESTRO Joint Session - Precision Radiation Oncology...Testing, Targeting, Treating (September 15, 2019 – Chicago, IL). “NRG Oncology GU Translational Science Portfolio - Initiatives to Improve Precision Medicine Radiation Management”.
137. RefleXion ASTRO Meeting Reception (September 15, 2019 – Chicago, IL). “Should We Combine Local and Systemic Therapy in Metastatic Disease – Radiation Oncologist’s Perspective”.
138. ASTRO National Meeting, Treatment of Metastatic Prostate Cancer: Ready for Primetime? Session (September 18, 2019 – Chicago, IL). “How to Approach Oligometastases: RT, Surgery and Systemic Therapies”.
139. NCI Alliance for Nanotechnology in Cancer Meeting, Keynote Speaker (September 24, 2019 – Rockville, MD). “Most pressing needs in cancer research and oncology in context of new technology development”.
140. NCI Bladder Task Force (October 18, 2019 – Baltimore, MD). “NRG Translational Studies Portfolio”.
141. SKCCC CIM Program Weekly Seminar Series (October 23, 2019 – Baltimore, MD). "Oligometastatic Prostate Cancer – Basic to Clinical Interrogation".
142. Barretos-UCLA Radiation Oncology Refresher Course (November 8, 2019 – Barretos, Brazil). “Prostate Cancer”.
143. SKCCC CIM Program Clinical Accelerator Meeting (November 19, 2019 – Baltimore, MD). “What Systemic Therapy Should We Combine With Local Therapy in Oligometastatic Disease?”.

144. NRG Semi-annual Meeting – GU Translational Science Sub-committee (January 10, 2020 – Houston, TX). “Circulating Biomarkers in Oligometastatic Prostate Cancer Patients”.
145. NRG Semi-annual Meeting – GU Translational Science Sub-committee (January 10, 2020 – Houston, TX). “TS002 Update Decipher Validation on RTOG 9601”.
146. ASCO Advantage Oncology Education for Industry Professionals – Prostate Cancer Basic Program (January 13, 2020 – Alexandria, VA). “Treatment of Local/Regional Disease: Local and Systemic Therapy”.
147. ASCO Advantage Oncology Education for Industry Professionals - Prostate Cancer Basic Program (January 13, 2020 – Alexandria, VA). “Biochemical Recurrence: Evaluation and Treatment”.
148. ASCO Advantage Oncology Education for Industry Professionals - Prostate Cancer Advanced Program (January 23, 2020 – Alexandria, VA). “Management of Oligometastatic Disease: From Imaging to Therapy”.
149. University of Miami Miller School of Medicine, Sylvester Comprehensive Cancer Center, Department of Radiation Oncology Grand Rounds (February 6, 2020 – Miami, FL). “Implication of epithelial plasticity programs in oligometastatic prostate cancer”.
150. Baltimore-Washington Glycobiology Interest Group Seminar Series (February 11, 2020 – Baltimore, MD). “O-GlcNAcylation is required for mutant *KRAS*-induced lung tumorigenesis”.
151. Genitourinary Cancers Symposium, Targeted Therapy in the Context of Low-Volume Metastatic Prostate Cancer Session (February 13, 2020 – San Francisco, CA). “Biologic and Clinical Rationale for Treatment of the Primary in Low-Volume Metastatic Disease”.
152. Brigham and Women’s Hospital, Department of Surgery, Division of Urology (February 26, 2020 – Boston, MA). “From Idea to Clinical Practice: A Brief History of Oligometastatic Disease”.
153. Dana-Farber Cancer Institute, Lank Center for Genitourinary Oncology, Seminars in Genitourinary Oncology (February 26, 2020 – Boston, MA). “Implication of epithelial plasticity programs in oligometastatic prostate cancer”.
154. Mayo Clinic, Department of Radiation Oncology Grand Rounds (February 28, 2020 – Rochester, MN). “Implication of epithelial plasticity programs in oligometastatic prostate cancer”.
155. JHU, Brady Urology Grand Rounds (April 23, 2020 – Baltimore, MD). “Radiation as a Strategy to Increase Cancer Immunogenicity in Muscle-Invasive Bladder Cancer”.
156. JHU, Department of Radiation Oncology Grand Rounds (May 28, 2020 – Baltimore, MD). “Implication of epithelial plasticity programs in oligometastatic prostate cancer”.
157. PCF Global Knowledge Exchange on Oligometastatic Prostate Cancer (July 6, 2020 – Baltimore, MD). “Impact of next generation imaging: PSMA and lessons from the ORIOLE trial”.
158. Decipher Prostate Cancer Review Webinar (September 16, 2020 – Baltimore, MD). “The Impact of Genomics in Decision Making for Intermediate-Risk Disease”.
159. UTSW, Hamon Center for Therapeutic Oncology Research Seminar (October 1, 2020 – Dallas, TX). “Oligometastatic Prostate Cancer – Basic to Clinical Interrogation”.

160. Brazilian Radiotherapy Society, SUMMIT Prostate Cancer (November 26, 2020 – Sao Paulo, Brazil). “Oligometastatic disease – role for radiation therapy”.
161. Vanderbilt University Interdisciplinary Prostate Research (VIPR)-Ingram Hematology-Oncology Grand Rounds (December 1, 2020 – Nashville, TN). “Implication of epithelial plasticity programs in oligometastatic prostate cancer”.
162. NRG Semi-annual Meeting - Translational Science Workshop (January 29, 2021 – Virtual). “GU Translational Science Portfolio - Past, Present and Future of Biomarkers for Precision Radiation Medicine”.
163. University of Maryland, Dept. of Radiation Oncology Grand Rounds (February 9, 2021 – Baltimore, MD). “Oligometastatic Prostate Cancer – Basic to Clinical Interrogation”.
164. ACRO national meeting: Genitourinary Plenary (February 26, 2021 – Virtual). “Impact of next generation imaging on oligometastatic prostate cancer: lessons learned from PSMA PET”.
165. PCF-Young Investigator Community Working Group webinar (March 15, 2021 – Virtual). “Mutational landscape of metastatic castration-sensitive prostate cancer: The spectrum theory revisited”
166. ASCO National Meeting: Case-Based Panel Session - Oligometastases in Prostate Cancer: How to Rationally Incorporate Metastasis-Directed Therapy Into Your Practice. (June 5, 2021 – Virtual). “Radiation Oncologist's Perspective”.
167. NIH Moonshot NCI Drug Resistance and Sensitivity Network (DRSN) Committee (July 8, 2021 – Virtual). “Tumor-barcoding coupled with high-throughput sequencing of a novel chemoradiation resistant SCLC mouse model”.
168. University of Wisconsin Immunomodulatory Targeted Radionuclide Therapy (ITRT) P01 Meeting (September 23, 2021 – Virtual). “Tumor-barcoding coupled with high-throughput sequencing for quantitative radiogenomics of the abscopal response in NSCLC”.
169. University of Minnesota, Donald Gleason Conference on GU Cancers (October 15, 2021 - Virtual). “Role of definitive radiation therapy in oligometastatic castration-sensitive prostate cancer”.
170. ASTRO National Meeting: Radiopharmaceutical Therapy Master Class. (October 23, 2021 – Virtual). “Radium-223 for Prostate Cancer”.
171. Los Angeles Radiological Society (LARS) 74th Annual Midwinter Meeting. (February 5, 2022 – Virtual). “Radiation Therapy in Oligometastatic Prostate Cancer: Why, When, And How?”.
172. Kaiser Permanente Health System, Radiation Oncology. (February 18, 2022 – Virtual). “Radiation Therapy in Oligometastatic Prostate Cancer: Why, When, And How?”.
173. University of Maryland Urology Grand Rounds (February 24, 2022 – Baltimore, MD). “Oligometastatic Prostate Cancer – Basic to Clinical Interrogation”.
174. Great Debates & Updates in GU Oncology (March 11, 2022 – Virtual). “Treatment of Men with Nonmetastatic Castration-Resistant Prostate Cancer (nmCRPC) - Metastasis Directed Therapy is Preferred”.
175. Baltimore Area Repair Symposium (BARS) 10th Biennial Meeting (March 18, 2022 – Virtual). “Novel treatment-resistance mechanisms in lung cancer elucidated through mouse models”.

176. ASTRO Annual Refresher Course 2022. (March 26, 2022 – Virtual). “NRG Oncology GU Translational Science Portfolio – Initiatives to Improve Precision Medicine Radiation Management”.
177. Southwest Oncology Group (SWOG) Spring Meeting, Radiation Oncology – Targeting Oligometastatic Disease for GU Cancers Symposium. (April 8, 2022 - Seattle, WA). “Considerations when integrating systemic therapy and radiation for metastatic cancer”.
178. AACR National Meeting Forum: Oligometastatic Disease. (April 12, 2022 – New Orleans, LA). “Understanding Oligometastatic Prostate Cancer Through Biomarker-Driven Research - Paired Basic-Clinical Interrogation”.
179. University of Pennsylvania, Radiation Oncology (April 28, 2022 - Philadelphia, PA). “Oligometastatic Prostate Cancer – Basic to Clinical Interrogation”.
180. JHU, Convergence Institute Inaugural Retreat - Clinical Research Connections Keynote Lecture (May 24, 2022 – Baltimore, MD). “Inclusion of all perspectives in the cancer problem – the view of a local therapist”.
181. American Association of Physicists in Medicine (AAPM) National Meeting: Radiotherapy and the Immune System. (July 12, 2022 – Washington DC). “Immunotherapy and Radiation – Introductory Concepts”.
182. UM SOM Office of Student Research (OSR) Summer Seminar Series. (July 14, 2022 – Baltimore, MD). “The metastatic cancer problem – the view of a local therapist”.
183. Weill Cornell Medicine (WCM) Radiation Oncology Semi-Annual Retreat: U54 ROBIN Projects. (July 22, 2022 – Virtual). “U54 Radiation Oncology-Biology Integration Network (ROBIN) Oligometastasis (OligoMET) Center”.
184. NIH Moonshot NCI Drug Resistance and Sensitivity Network (DRSN) Annual Meeting (August 8, 2022 – Portland, OR). “Tumor-barcoding coupled with high-throughput sequencing of a novel chemoradiation resistant SCLC mouse model”.
185. UM SOM GPILS Molecular Medicine Professor Rounds (September 7, 2022 – Baltimore, MD). “Tran Lab Research Program”.
186. UM SOM Greenebaum Comprehensive Cancer Center (GCCC) Hormonal Regulated Cancers Program Annual Retreat, (September 29, 2022 – Baltimore, MD). “U54 Radiation Oncology-Biology Integration Network (ROBIN) Oligometastasis (OligoMET) Center”.
187. University of Arkansas for Medical Sciences, Winthrop P. Rockefeller Cancer Institute Forum Seminar Series (October 10, 2022 – Little Rock, AR). “Oligometastatic Prostate Cancer – Basic to Clinical Interrogation”.
188. Oslo University Hospital, Department of Radiation Oncology Webinar (October 19, 2022 – Virtual). “SBRT for localized and metastatic prostate cancer: why, when and how?”.
189. ASTRO National Meeting, Session SS11 – GU2 – New Insights into Post-Prostatectomy Radiotherapy (October 24, 2022 – San Antonio, TX). “Phase II Randomized Study of Salvage Radiation Therapy (SRT) Plus Enzalutamide or Blinded Placebo for High-Risk PSA-Recurrent Prostate Cancer after Radical Prostatectomy: the SALV-ENZA Trial”.
190. Genitourinary Cancers Symposium, Clinical Decision-Making in the Treatment of Localized Prostate Cancer: Controversial Points Session (February 16, 2023 – San Francisco, CA). “Novel Approaches for Risk Stratification of Newly Diagnosed Localized Prostate Cancer”.

191. Medical Society of Northern Virginia (March 2, 2023 – Washington DC). “Proton Therapy: A Powerful Tool in the Cancer-Fighting Toolbox”.
192. George Washington University and the Katzen Cancer Research Center Mid-Atlantic Radiation Oncology Spring Consortium (March 14, 2023 – Washington DC). “Radiation Therapy in Oligometastatic Prostate Cancer: Why, When, And How?”
193. UM SOM GCCC Research Council, (March 16, 2023 – Baltimore, MD). “U54 Radiation Oncology-Biology Integration Network (ROBIN) Oligometastasis (OligoMET) Center”.
194. AACR Special Conference: Advance in Prostate Cancer Research (March 18, 2023 – Denver, CO). “Risk stratification of localized prostate cancer: NRG oncology digital pathology initiatives to improve precision medicine radiation management”.
195. Northside Hospital Cancer Institute Symposium: Looking Forward - State-of-the-Art Prostate Cancer Management (March 25, 2023 – Atlanta, GA). “Contemporary Management of Oligometastatic Prostate Cancer”.
196. ASTRO Annual Refresher Course 2023. (April 27, 2023 – Virtual). “NRG Oncology Digital Pathology Initiatives to Improve GU Precision Radiation Medicine”.
197. ASCO National Meeting: Case-Based Panel Session - A Multidisciplinary Case-Based Discussion of PSMA PET–Positive Prostate Cancer. (June 3, 2023 – Chicago, IL). “PSMA-PET Imaging: Radiation Oncology Perspective”.
198. U54 ROBIN Consortium Cross-Training Core Seminar Series. (June 6, 2023 – Virtual). “Clinical Radiobiology Basics”.
199. PCF Coffey-Holden Prostate Cancer Academy Meeting (June 23, 2023 – Los Angeles, CA). “The Space-Time Continuum in Metastatic Castration-Sensitive Prostate Cancer: The Final Frontier?”.
200. ASTRO National Meeting, Session – Oligometastatic Prostate Cancer: How Far Do We Go? (October 2, 2023 – San Diego, CA).

Ongoing Research Support

1U01CA212007-01A1 Fertig/Ewald/Popel/Tran (PI) 04/01/18-03/31/24 NCE 1.2 calendar mos
NIH/NCI \$393,909

Integrating bioinformatics into multiscale models for hepatocellular carcinoma

The goal of this project is to develop novel multiscale model that use cellular signaling and molecular transport, agent-based models of cellular growth and invasion and compartment-based models for pharmacokinetics/pharmacodynamics (PD/PD) to bridge the molecular, cellular, and tumor scales.

Role: Co-PI

1U01CA231776-01 Hann/Marchionni/Tran (PI) 09/03/18-08/31/23 1.2 calendar
NCI \$362,295

Bioinformatic-Chemical Approach to Credential Molecular Targets to Combat Rapid Chemo-Radiation Resistance in SCLC

The goal of the proposed research is to develop an integrated research program to elucidate mechanisms of small cell lung cancer resistance to chemoradiation.

Role: Co-PI

20CHAL03 Pienta/Tran (PI) 1/1/21-12/31/23 NCE 1.8 calendar mos
Movember-Distinguished Gentlemen's Ride-PCF Challenge \$500,000

"Radiolabeled systemic therapy with SABR for castration sensitive prostate cancer oligometastatic disease"

The overall goal is to test consolidation of all sites of macroscopic disease with SABR in combination with radiolabeled systemic therapy in men with oligometastatic prostate cancer using first-in-man clinical trials and complimentary correlative approaches.

Role: PI

3U01CA231776-03S1 Hann/Marchionni/Tran (PI) 04/01/21-08/31/23 1.8 calendar
NCI \$225,000

Tumor-barcoding coupled with high-throughput sequencing of a novel chemoradiation resistant SCLC mouse model

The goal of the proposed research is to develop a novel mouse model of small cell lung cancer to elucidate mechanisms of resistance to chemoradiation.

Role: PI

W81XWH-21-1-0296 Tran (PI) 5/1/21-4/30/24 1.2 calendar
Dept of Defense CDMRP Prostate Cancer Research Program \$333,333

"Novel biomarkers to direct stereotactic ablative radiotherapy in castration-sensitive oligometastatic prostate cancer"

To identify liquid and imaging biomarkers to assist in risk stratification of men with oligometastatic prostate cancer treated with SABR with or without Xofigo.

Role: PI

1U54CA273956-01 Sawant/Simone/Tran (PI) 8/01/22-07/30/27 3.0 calendar
NCI \$997,886

Radiation Oncology-Biology Integration Network on Oligometastasis (ROBIN OligoMET) Center

The goal of the proposed research is to elucidate mechanisms of radiation modulation of the metastatic state in oligometastatic prostate cancer using a first-in-man trial of consolidative radiation and paired state-of-the-art profiling and analysis techniques.

Role: PI

1R01CA271540-01A1	McFarland/Tran (PI)	1/1/23-12/31/27	1.8 calendar
NCI			\$541,670
Tumor-barcoding coupled with high-throughput sequencing for quantitative radiogenomics of the abscopal response in NSCLC			
The goal of the proposed research is to characterize genotype-phenotype relationships for radiation and immune checkpoint combination therapy using state-of-the-art NSCLC GEMMs and somatic genetic engineering paired with NGS.			
Role: PI			
TBD	Yu/Tran (PI)	10/01/22-9/30/23	0.6 calendar
NRG Oncology Foundation Inc. (NCI)			\$12,853
Evaluating response to moderate hypofractionation vs. SBRT in NRG GU-005 based on Decipher Genomic Classifier Integrated Biomarker			
To support non-real time (NRT) integrated studies that are associated with NCI clinical trials conducted by National Clinical Trials Network (NCTN) groups and NCI Community Oncology Research Program (NCORP) Research Bases.			
Role: PI			

5-T32-HL07781	Bagby (PI)	7/1/98-6/30/01	
NIH			\$12,000
Oregon Health & Science University Molecular Hematology Research Training Fellow.			
Role: Investigator			

1046297-100-KAVWO	Tran (PI)	7/1/07-6/30/08	
SUMC Radiation Oncology Henry S. Kaplan Fund			\$45,000
“Investigations on the Mechanism of MYC-dependent Inhibition of DNA double strand break repair”			
To explore mechanisms of MYC-dependent genomic instability primarily by structure-function studies on MYC with double-strand break repair assays.			
Role: PI			

PRF-CHRP Pilot Award	Tran (PI)	1/1/09-7/31/09
Pediatric Research Fund - Child Health Research Program (PRF-CHRP)		\$35,000
“Conditional epithelial-mesenchymal transition (EMT)-dependent murine model for radiation induced-pulmonary fibrosis” Aim #1 is to generate conditional mTWIST and mSNAI-S6A lung restricted mouse models. Aim #2 is to characterize phenotypes of these mice following thoracic radiation using small animal imaging and ultimately pathologic examination. Aim #3 is to determine if constant transcription of mTWIST and mSNAI-S6A are necessary for fibrosis phenotypes. Role: PI		

ASTRO JFCRTA	Tran (PI)	8/15/09-6/30/12	
American Society for Radiation Oncology (ASTRO)			\$125,000
“Inducible <i>SNAIL</i> transgenic mouse model for radiation induced-pulmonary fibrosis”			
Aim #1 is to generate an inducible hSNAI1-S6A lung mouse model. Aim #2 is to characterize phenotypes of these mice following thoracic radiation using small animal imaging and molecular-pathologic examination. Aim #3 is to determine if constant transcription of hSNAI1-S6A is necessary for maintenance of fibrosis.			

O'Brien Center Pilot	Tran/Schaeffer (PI)	11/1/10-10/31/12	
George M. O'Brien Center for Benign Prostate Hyperplasia/LUTS Research			\$25,000
"TWIST1 and Embryonic Reawakening in benign prostatic hyperplasia revisited"			
Aim #1 is to establish a link between prostate luminal cell specific <i>Twist1</i> overexpression and increased prostate stem cells. Aim #2 is to determine if prostate specific <i>Twist1</i> overexpression <i>in vivo</i> results in autochthonous prostate hyperplasia.			
Role: PI			
5P50CA058184-17	Baylin (PI)	7/1/12-11/30/12	
NIH			\$75,000
"Screening for inhibitors of Twist1-induced dissemination"			
Aim 1: Validate Twist1 inhibitory agents identified from CMAP analysis using a Twist1-dependent assay for primary epithelial cell invasion and dissemination. Aim 2: Validate Twist1 inhibitory agents identified from CMAP analysis on transgenic inducible <i>Twist1</i> tumor moribund mice and using experimental metastasis assays with human lung cancer cells for inhibition of invasion and metastasis.			
Role: Development project investigator			
PCW Award	Tran (PI)	4/1/11-3/31/13	
Patrick C. Walsh Prostate Cancer Research Fund			\$75,000
"MYC as a biomarker to direct statin targeted therapy for definitive treatment of prostate cancer"			
Aim #1: Pharmacodynamic Phase 0 trial of pre-prostatectomy lovastatin to downregulate MYC in localized prostate cancer.			
Role: PI			
	DeWeese (PI)	5/29/12-5/28/13	
Augmentix, Inc			\$143,504
Evaluation of SpaceOAR System when used to Create Space Between the Rectum and Prostate in Men Undergoing Image Guided – Intensity Modulated Radiation Therapy (IG-IMRT) for Localized Stage T1-T2 Prostate Cancer: A Randomized, Multicenter, Parallel Arm Controlled Clinical Study			
Major Goal: A Randomized Controlled Trial of SpaceOAR hydrogel system with Radiation Therapy for Localized Prostate Cancer			
Role: Co-I			
Junior Investigator Award	Tran (PI)	3/1/12-2/28/14	
Uniting Against Lung Cancer			\$50,000
"Screening for TWIST1 inhibitors as treatment for lung cancer"			
Perform connectivity map (CMAP) to identify candidate agents that target TWIST1 and validate these agents identified from CMAP analysis on human lung cancer cell lines and on transgenic inducible KrasG12D/Twist1 tumor moribund mice for activation of oncogene-induced senescence (OIS).			
Role: PI			
PCW Award	Tran (PI)	4/1/13-3/31/14	
Patrick C. Walsh Prostate Cancer Research Fund			\$75,000
"Phase I Trial of HSP90 Inhibition and Radiation-Androgen Deprivation Therapy for High-Risk Localized and Locally Advanced Prostate Cancer"			
Phase 1 trial of ganetespib and standard of care radiation and long-term androgen deprivation therapy for high-risk and locally advanced prostate cancer.			
Role: PI			
2P50CA103175-06A2	Bhuiwalla (PI)	10/1/11-9/30/16	

NIH			\$12,000
“Lung specific Twist-mediated EMT in lung premetastatic niche”			
Aim 1: Determine whether the bi-transgenic Clara cell specific promoter-reverse tetracycline transactivator/Luc-tetO-Twist1 (or CT) mouse line has increased metastatic tumor burden following experimental metastasis with fluorescently-tagged breast cancer cell line, NT2.5.			
Role: Pilot project investigator for years 1-2			
W81XWH-12-LCRP-CA	Nelkin (PI)	6/1/13-5/31/14	
DoD			\$100,000
“Role of Cdk5 as a tumor suppressor gene in non-small cell lung cancer”			
The key objective of this study is to determine whether the Cdk5 gene acts as a tumor suppressor in lung cancer.			
Role: Co-I			
W81XWH-13-1-0182	Tran (PI)	7/1/13-6/30/14	
DoD			\$100,000
“Designing polyamide inhibitors of TWIST 1 for pro-senescence therapy”			
The key objective of this study is to develop polyamide based TWIST1 inhibitors for lung cancer.			
Role: PI			
Personalized Med Pilot Award	Tran (PI)	1/1/12-12/31/13	
Commonwealth Foundation			\$125,000
“Individualized therapy for KRAS mutant lung cancer through triggering oncogene-induced senescence”			
Aim 1: Determination of KRAS dependency in KRAS mutant NSCLC. Aim 2: Activation of oncogene-induced senescence by TWIST1 inhibition as a therapeutic strategy in KRAS mutant NSCLC.			
Role: PI			
W81XWH-11-1-0336	Schaeffer (PI)	11/1/11-9/29/14	
Dept of Defense CDMRP Prostate Cancer Research Program			\$146,254
“ <i>RNASEH2A</i> - a Putative “Non-Oncogene Addiction” Gene Target and Marker for Radio-sensitivity in High Risk Prostate Cancer”			
Specific Aim 1: Demonstrate the association of <i>RNASEH2A</i> with lethal prostate cancer. Specific Aim 2: Evaluate the ability of <i>RNASEH2A</i> to modulate radio-sensitivity in prostate cancer cell lines and xenograft models. Specific Aim 3: Investigate <i>RNASEH2A</i> as a tissue and biofluid based marker of radio-sensitivity.			
Role: Co-I			
1R01CA158100	Wong (PI)	7/1/11-12/31/15 NCE	
NIH/NCI			\$458,754
“An integrated x-ray/optical tomography system for preclinical radiation research”			
Aim 1: Design and construct an integrated x-ray/bioluminescent tomography (BLT) system that can function as a standalone research apparatus and also on-board the SARRP to guide focal irradiation. Aim 2: Validate at three academic partner institutions the accuracy of on-board x-ray and BL tomography.			
Role: Co-I			
W81XWH-11-1-0272	Tran (PI)	3/21/11-3/20/16	
Dept of Defense CDMRP Prostate Cancer Research Program			\$130,000
“Evaluating the Efficacy of ERG-Targeted Therapy in Vivo for Prostate Tumors”			
Aim #1: Validate an inducible <i>ERG</i> prostate specific mouse model. Aim #2: <i>ERG</i> cooperation with <i>AKT</i> for prostate tumorigenesis. Aim #3: <i>ERG</i> can serve as an effective molecular therapeutic target for prostate tumors.			
Role: PI			
Catalyst Award	Tran (PI)	7/1/15-6/30/16	
Johns Hopkins University			\$75,000
“Centrosome Clustering Inhibition as a Novel Radiosensitizing Paradigm for Lung Cancer”			

The goal of the proposed research is to examine the role of centrosome amplification in lung tumorigenesis and whether inhibition of centrosome clustering can serve as a novel method of tumor selective radiosensitization.

Role: PI

Sid Kimmel Transl Sci Award Tran (PI) 7/1/13-12/31/16 NCE
Sidney Kimmel Foundation \$100,000

“Modeling EMT-induced lung adenocarcinoma resistance to erlotinib *in vivo*”

The key objective of this study is to determine whether the EMT pathway can confer resistance to erlotinib.

Role: PI

PrTK03 DeWeese (PI) 7/01/11-6/30/16
Advantage, Inc \$33,115
A Randomized Controlled Trial of Prostatac as Adjuvant to up-front Radiation Therapy for Localized Prostate Cancer
A Randomized Controlled Trial of Prostatac as Adjuvant to up-front Radiation Therapy for Localized Prostate Cancer
Role: Co-I

Pancreatic Pilot Tran (PI) 1/1/16-12/31/16
Sol Goldman Pancreatic Research Center \$50,000
Activation of mutant Kras-induced senescence as treatment for pancreatic cancer
The overall goal is to develop a mouse model to test whether Twist1 is required for suppression of *Kras* oncogene-induced senescence (OIS) and if this latent OIS program can be activated *in vivo*.
Role: PI

Research Scholar Tran (PI) 7/1/12-6/30/17 NCE
American Cancer Society \$150,000
“Twist1 structure-function studies of Kras-induced senescence inhibition”
The goal of this proposal is to characterize the domains of Twist1 required for suppression of *Kras* oncogene-induced senescence (OIS), increased tumorigenicity and activation of OIS *in vitro* and *in vivo* using inducible *Twist1* transgenic mice.
Role: PI

Research Scholar Ewald (PI) 7/1/12-6/30/17 NCE
American Cancer Society \$150,000
“Regulation of mammary dissemination by cell adhesion and the myoepithelium”
The primary goal of this proposal is to dissect the molecular requirements for the barrier function of myoepithelial cells for breast epithelial dissemination using an inducible *Twist1* and conditional E-cadherin deletion mouse models.
Role: Co-I

Discovery Award Fertig/Tran/Bader/Ewald/Popel (PI) 8/1/16-7/31/17
Johns Hopkins University \$150,000
Knowledge-driven and data-driven models of liver cancer
The overall goal is to develop multiscale models of liver cancer using mouse models, organoids, bioinformatics and proteomic scale data.
Role: Co-PI

LCD-339465 Tran (PI) 7/1/15-12/31/17 NCE
American Lung Association \$100,000
“Overcoming erlotinib resistance in lung cancer by targeting oncogenic free radicals”
The goal of the proposed research is to explore NOX4-induced reactive oxygen species as a means to bypass EGFR inhibition by erlotinib using a novel *EGFR* mutant-*Twist1* inducible transgenic mouse model of lung cancer.
Role: PI

16CHAL13	Sfanos (PI)	1/1/17-12/31/18	
Movember-PCF			\$500,000
“The Microbiome and Metastatic, Lethal Prostate Cancer: Establishment of an International Resource for the Prostate Cancer Research Community”			
The goal is to provide a centralized research core for the collection and of profiling of the microbiome from men with lath prostate cancer.			
Role: Co-I			
15YOUN017	Ross/Tran (PI)	1/31/16-1/31/19	
PCF Young Invest. Award			\$75,000
“Effects of Local therapy on the Systemic Anti-Tumor Response: Exploration of the Abscopal Effect in Mouse Models for Prostate Cancer”			
The overall goal is to test whether local therapies can stimulate an immune response using a prostate cancer mouse model.			
Role: PI			
1R01CA166348-01A1	Tran (PI)	8/1/13-5/31/19 NCE	
NIH/NCI			\$250,000
“Structure-Functions Studies of Twist1-induced Radioresistance in Lung Cancer”			
The goal of this proposal to characterize the domains and gene targets of Twist1 required for Twist-induced lung cancer radioresistance <i>in vitro</i> and <i>in vivo</i> using transgenic <i>Kras^{G12D}</i> -Twist1 lung cancer mice.			
Role: PI			
1U01CA183031-01A1	Pomper/DeWeese (PI)	7/15/15-6/30/19 NCE	
NIH/NCI			\$500,000
“PSMA-Directed PET/MR Imaging and Image-Guided Therapy of Prostate Cancer”			
The overall goal is to validate a positron-emitting, PSMA-targeted imaging agent clinically so it may be used to full advantage in supporting existing and emerging therapies for a spectrum of patients suffering from prostate cancer.			
Role: Co-I			
90079129	Tran (PI)	03/01/18-09/30/19 NCE	
Movember Foundation			\$36,256
Phase I GAP6 Oligometastatic Prostate Cancer Project			
The major goal of this project is to understand the biological differences between castration-sensitive oligometastatic and polymetastatic PCa at multiple levels.			
Role: Co-PI			
90076936	Tran (PI)	11/1/17-10/31/19	
RefleXion Medical, Inc.			\$88,459
“Treatment planning comparison of DCFPyL PET-CT targeted oligometastatic prostate cancer”			
The project goal is to retrospective bGRT replanning study of 20-30 patients treated with SBRT to DCFPyL PET-CT positive lesions.			
Role: PI			
SBIR Subcontract	Tran (PI)	09/01/18-08/31/20 NCE	
Asclepix Therapeutics			\$47,500
Therapeutic peptide for hepatocellular carcinoma			
The goal of this project is to combine expertise in nanoparticle drug delivery, anti-cancer peptide creation, and in clinically relevant HCC models to create a new nanoparticle-based system and evaluate its efficacy in a model of HCC.			
Role: site-PI			
IHS-1409-22534	Smith (PI)	10/15/15-9/15/20	
Patient-Centered Outcomes Research Institute (PCORI)			\$507,914

Simplifying Survivorship Care Planning: Comparing the Efficacy and Patient-Centeredness of Three Care Delivery Models in Prostate, Breast and Colorectal Cancer

Role: Co-I

1R21CA223403-01 Wang/Tran (PI) 06/15/18-5/31/21 NCE \$275,000 total

NIH
A pre-clinical x-ray/optical tomography-guided radiation research platform for pancreatic cancer

The goal of this project is to integrate a novel clinically-relevant pancreatic cancer mouse model with an advanced x-ray/optical tomography-guided small animal radiation research platform.

Role: Co-PI

1U01CA230978-01 Zachara (PI) 08/01/18-07/31/21 \$272,000

NCI
Tuning and Tagging the O-GlcNAc Modification

The major goal of this project is to address and develop the tools in the roadblock of defining the molecular mechanisms by which O-GlcNAc potentiates tumorigenesis and other conditions.

Role: Co-I

SBIR Subcontract Sgouros (PI) 09/01/19-08/31/21 \$302,516

RAPID
Treatment optimization by combined alpha-emitter (alphaRPT)/radiotherapy (XRT) dosimetry for prostate cancer patients

The major goal is to demonstrate that the dose-based approach produces better treatment plans, develop a prototype cloud-based treatment planning software service α CXRPT, and validate this software using data from the RAVENS trial.

Role: site-Co-I

90085677 Paller/Tran (PI) 10/1/19-9/30/21 \$250,000 total

Barbara's Fund

"RAVENS trial correlative studies"

To determine which men with oligometastatic prostate cancer benefit the most from SABR with or without radiopharmaceutical therapy through correlative studies.

Role: Co-PI

90087049 Paller/Tran (PI) 3/2/20-2/28/22 NCE \$202,471 total

National Capital Cancer Research Fund

"Validation of a mutational signature in oligometastatic prostate cancer treated with metastasis directed therapy"

To validate a high-risk mutational signature from previously treated men with oligometastatic prostate cancer from National Capitol and Baltimore Johns Hopkins campuses using next generation sequencing.

Role: Co-PI

ENZA-13L21 Tran/Antonarakis (PI) 3/2/15-4/15/22 \$889,821 total

Astellas-Medivation Pharma

"SALV-ENZA - Phase II Randomized Placebo-Controlled Double-Blind Study of Salvage Radiation Therapy (SRT) Plus Placebo vs. SRT Plus Enzalutamide in Men with High Risk PSA-Recurrent Prostate Cancer"

Randomized, double-blind, phase II, prospective, multicenter study in male adults with biochemically recurrent prostate cancer following radical prostatectomy.

Role: co-PI

IIRUS2014437 Tran (PI) 5/10/19-5/9/22 \$228,881 total

Bayer Healthcare

"A Phase II Randomized Trial of Radium-223 and SABR Versus SABR for oligomEtastatic Prostate caNcerS (RAVENS)"

Randomized phase II trial in male adults with oligorecurrent prostate cancer.

Role: PI

W81XWH1910479 Wan (PI) 08/01/19-07/31/22
Dept of Defense CDMRP Prostate Cancer Research Program \$600,00 total
“Targeting a novel regulatory mechanism of PARP1 activation in castrate-resistant prostate cancer”
The goal of this project is to screen and validate small molecule compounds from the NIH compound Library containing 100,000 compounds that specifically inhibit the Sam68-stimulated PARP1 activation, and to examine the potential clinical relevance of the potent lead small molecule compounds for castrate-resistant prostate cancers (CRPCs) treatment.
Role: Co-I

15CHAL10 Tran (PI) 8/1/15-7/31/23 NCE
Movember-Prostate Cancer Foundation (PCF) \$500,000
“Altering the Natural History of Metastatic Prostate Cancer using Stereotactic Ablative Radiotherapy (SABR) and Immune Stimulation”
The overall goal is to test consolidation of all sites of macroscopic disease with SABR in combination with the immune stimulatory agent ADXS-PSA in men with oligometastatic prostate cancer using a first-in-man clinical trial and complimentary correlative approaches.
Role: PI

W81XWH-20-1-0254 Raman (PI) 09/01/20-08/31/23
Dept of Defense CDMRP Prostate Cancer Research Program \$748,583 total
“Deciphering DDX3-mitochondrial axis in prostate cancer ethnic disparity”
The goals of this project are to mechanistically understand how the DDX3-mitochondrial axis promotes lethal prostate cancer phenotype in African American men.
Role: Co-I

Clinical Trials (PI Only)

1. J0910 – Multimodality Therapy for Recurrent High-Risk Prostate Cancer: A Phase II Study. Role: PI. *Reported out PMID 26754260.*
2. J1153 – Pharmacodynamic Trial of Pre-Prostatectomy Lovastatin on MYC Down-Regulation in Localized Prostate Cancer. Role: PI. *Closed early.*
3. J11157 – Stereotactic Body Radiation Therapy and Short-Term Androgen Ablation for Intermediate-Risk, Localized, Adenocarcinoma of the Prostate. Role: PI. *Closed early.*
4. J1454 – SALV-ENZA Trial: Phase II Randomized Placebo-Controlled Double-Blind Study of Salvage Radiation Therapy (SRT) Plus Placebo *Versus* SRT Plus Enzalutamide in Men with High-Risk PSA-Recurrent Prostate Cancer after Radical Prostatectomy. Role: PI. *Reported out PMID 36367998.*
5. J1569 – Phase I Trial of HSP90 Inhibition and Radiation-Androgen Deprivation Therapy for High-Risk Localized and Locally Advanced Prostate Cancer. Role: PI. *Closed early.*
6. J15180 – Phase II Randomized Observation versus Stereotactic Ablative RadiatIon for Oligometastatic Prostate CancEr (ORIOLE) trial. Role: PI. *Reported out PMID 32215577.*
7. J15203 – Pilot Biomarker Study of Stereotactic Body Radiation Therapy for Prostate Cancer Oligometastases. Role: PI. *Closed early.*
8. J18147 – A phase II randomized trial of Radium-223 and SABR Versus SABR for oligomEtastatic prostate caNcerS (RAVENS). Role: PI. *Accrual met.*
9. GCC 21136 – Phase 2 randomized Total Eradication of metastatic lesions following definitive Radiation to the Prostate in de novo oligometaStatic prostate cancer (TERPS) trial. Role: Co-PI. *Open to accrual.*
10. Phase 2 randomized high-risK metachroNous oligometastatIc prostate cancer with hiGh-risk mutations with H meTastasiS directed therapy and niraparib (KNIGHTS) trial. Role: Co-PI. *In development.*

Patents

1. Compounds and Methods of Use in Ablative Radiotherapy. *Patent filed 3/9/2012. PCT/US2012/028475. PCT/WO/2012/122471. Patent awarded 5/25/2015. Patent#: 9114158. Licensed to Natsar Pharmaceuticals.*
2. A method of determining the prognosis of hepatocellular carcinomas using a multigene signature associated with metastasis. *Patent filed 7/11/2012. PCT/US2012/046169. PCT/WO/2013/009809.*
3. Tumor response prediction to therapy. *Patent filed 11/18/2012. PCT/ US2013/0131491.*
4. Method for identifying required molecular components of Twist-1 mediated invasion, dissemination, and metastasis. *Provisional Patent filed 11-2011.*

Consulting

1. The Sustainable Cycle. Equity Member. 1/2012-6/2012.
2. LEK Consulting. Consultant.
3. GenomeDx Biosciences. Medical Advisory Board. 9/2014.
4. Medivation Inc-Astellas Pharma Inc. Medical Advisory Board. 9/2014
5. Regeneron Pharmaceuticals. Medical Advisory Board. 9/2014.
6. Dendreon Pharmaceuticals, Inc. Medical Advisory Board. 11/2016.
7. RefleXion Medical. Consortium Member. 8/2017-9/2019.
8. Noxopharm. Medical Advisory Board. 9/24/2019.
9. Janssen-Taris Biomedical. Medical Advisory Board/Consultant. 5/24/2020-current.
10. Myovant. Medical Advisory Board. 7/10/2020.
11. AstraZeneca. Medical Advisory Board. 9/11/2020.
12. Natsar Pharmaceuticals. Scientific Advisory Board. 1/2021-current.
13. RefleXion Medical. Scientific Advisory Board. 8/2021-current.
14. Bayer Xofigo Advisory Board. 9/10/22.
15. Bayer Prostate Advisory Council. 10/14/22-current.
16. Janssen Intra-tumoral Program. Executive Advisory Board. 12/8/22-current.
17. Regeneron Pharmaceuticals. Medical Advisory Board. 2/2023.
18. Lantheus PSMA PET-CT Advisory Board. 5/12/23.

Teaching

1. Johns Hopkins School of Medicine Radiation Oncology (JHU SOM) annual course (2009-2021). "Radiation Biology".
2. JHU SOM Genes to Society Medical Student Course (3/16/2010). "Introduction to Radiation Oncology".
3. JHU SOM Cellular and Molecular Medicine Course (2010-present). "Genomic Instability in Human Disease" ME:810.716.
4. JHU SOM Brady Urology Summer Lectures (8/17/2010). "Introduction to Radiation Oncology".
5. JHU SOM Radiation Oncology (8/30/2010). "EBRT DVH/planning for prostate cancer".
6. JHU SOM Brady Urology Resident Lecture (10/5/2010). "Principles of Radiation Therapy".
7. JHU SOM Resident/Fellow Oncology Multi-Disciplinary Teaching Conference (1/20/2011). "Management of GU Malignancies".
8. JHU SOM Resident/Fellow Oncology Multi-Disciplinary Teaching Conference (1/19/2012). "Management of GU Malignancies – Testicular and Penile Cancer".
9. JHU SOM Resident/Fellow Oncology Multi-Disciplinary Teaching Conference (3/29/2012). "Management of GU Malignancies – Bladder Cancer".
10. JHU SOM Brady Urology Summer Lectures (8/15/2012). "Introduction to Radiation Oncology".
11. JHU SOM Radiation Oncology (11/5/2012). "Prostate Cancer Case Conference: Mock Orals".
12. JHU SOM Radiation Oncology (11/26/2012). "GU Cancer Case Conference: Mock Orals".
13. JHU SOM Resident/Fellow Oncology Multi-Disciplinary Teaching Conference (3/21/2013). "Definitive Management of Prostate Cancer".
14. JHU SOM and University of Maryland Radiation Oncology Joint Journal Club (4/24/2013). "Prostate Cancer".
15. SKCCC Fundamentals of Cancer: Cause to Cure (10/14/2013). "Principles of Radiotherapy".
16. JHU SOM Radiation Oncology (3/11/2014). "Bladder Cancer Case Conference: Mock Orals".
17. JHU SOM CMM Core Discussion (4/11/2014). "Programmed Cell Senescence during Mammalian Embryonic Development".
18. JHU SOM Radiation Oncology (10/6/2014). "Prostate cancer radiation simulation, planning and plan evaluation".
19. JHU SOM Radiation Oncology (10/14/2014). "Prostate Cancer Case Conference: Mock Orals".
20. SKCCC Fundamentals of Cancer: Cause to Cure (10/20/2014). "Principles of Radiotherapy".
21. JHU SOM Radiation Oncology (10/30/2014). "GU Cancer Case Conference: Mock Orals".

22. JHU SOM CMM Core Discussion (10/31/2014). "Dihydropyrimidine Accumulation Is Required for the Epithelial-Mesenchymal Transition".
23. JHU SOM Genes to Society Medical Student Course (3/16/2015). "Principles of Radiotherapy: Case Studies".
24. SKCCC Fellow's Day (5/15/2015). "Poster Highlights".
25. SKCCC Fundamentals of Cancer: Cause to Cure (10/19/2015). "Principles of Radiotherapy".
26. JHU SOM Radiation Oncology (10/22/2015). "Prostate cancer radiation simulation, planning and plan evaluation".
27. SKCCC Oncology Journal Club (11/13/2015). "Genomic classifier identifies men with adverse pathology after radical prostatectomy who benefit from adjuvant radiation therapy".
28. JHU SOM CMM Core Discussion (2/19/2016). "Senescent cells communicate via intercellular protein transfer".
29. JHU SOM Radiation Oncology (5/4/2016). "Prostate cancer radiation simulation, planning, plan evaluation and image-guidance evaluation".
30. JHU SOM Brady Urology Resident Lecture (7/12/2016). "Prostate cancer radiotherapy basics".
31. JHU SOM Radiation Oncology (10/7/2016). "Prostate Cancer Case Conference: Mock Orals".
32. JHU SOM CMM Core Discussion (3/31/2017). "DNA Repair Defects and Olaparib in Metastatic Prostate Cancer".
33. JHU SOM Radiation Oncology (7/10/2017). "Introduction to Prostate Cancer".
34. JHU SOM Radiation Oncology (8/24/2017). "Intermediate/High-risk Localized Prostate Cancer".
35. JHU SKCCC Medical Oncology Fellows Lecture (9/6/2017). "Localized Prostate Cancer".
36. JHU SOM Radiation Oncology (9/7/2017). "Prostate Cancer Case Conference: Mock Orals".
37. JHU SOM Brady Urology Resident Lecture (5/25/2018). "Principles of Radiation Therapy".
38. JHU SOM MSTP Herlong Rounds (6/6/2018). "Overcoming Cancer Treatment Resistance by Targeting Epithelial Tumor Cell Plasticity".
39. JHU SOM Brady Urology Work in Progress Meet the Experts Lecture (7/19/2018). "Overview of Clinical Radiotherapy for Oligo-metastasis in Prostate Cancer".
40. JHU SOM Radiation Oncology (8/2/2018). "Intermediate/High-risk Localized Prostate Cancer".
41. JHU SOM Radiation Oncology (8/6/2018). "Prostate Cancer Case Conference: Mock Orals".
42. JHU SOM CMM Core Discussion (4/26/2019). "Stereotactic ablative radiotherapy versus standard of care palliative treatment in patients with oligometastatic cancers (SABR-COMET): a randomized, phase 2, open-label trial".

43. JHU SOM Brady Urology Work in Progress Meet the Experts Lecture (7/11/2019). “Principles of Radiation Therapy”.
44. JHU SOM Radiation Oncology (8/23/2019). “Intermediate/High-risk Localized Prostate Cancer”.
45. JHU SKCCC New Approaches to Cancer Prevention and Therapy Lecture (4/7/2020). “Radiation Therapy and Radiation Modulators to Increase Local and Systemic Anti-tumor Responses”.
46. JHU SOM Radiation Oncology (8/7/2020). “Intermediate/High-risk Localized Prostate Cancer”.
47. JHU SOM CMM Core Discussion (9/23/2020). “Senolytic CAR T cells reverse senescence-associated pathologies”.
48. JHU SOM Radiation Oncology (8/19/2021). “Prostate EBRT dose escalation trials, hypofractionation & SABR”.
49. JHU SOM Radiation Oncology (8/26/2021). “Oligometastatic prostate cancer”.
50. UM SOM Radiation Oncology (5/10/2022). “Metastasis and Tumor Microenvironment”.
51. UM SOM Radiation Oncology (11/22/2022). “Dose Fractionation, Therapeutic Ratio and Radiobiology of Dose Delivery”.
52. UM SOM Radiation Oncology (4/11/2023). “Metastasis and Tumor Microenvironment”.

Mentoring:**Former:**

1. Joy Chen, MD - Stanford Biology Masters Student and Laboratory Technician Level I (7/06-6/08).
Current position – Assistant Professor of Surgery at University of Washington School of Medicine (7/20-present).
2. Melissa Horoschak, MD – Stanford Medical Student (3/08-6/09).
Current position - Community Radiation Oncologist (7/14-present).
3. Pavan Bachiredy, MD – Stanford Medical Student (3/08-6/09).
Current position – Assistant Professor of Hematopoietic Biology and Malignancy at MD Anderson (7/20-present).
4. Leelanand Rachakonda, MD – Stanford Medical Student (8/08-6/09).
Current position – Community Radiologist (7/14-present).
5. Diane Tseng, MD, PhD - Stanford Medical Student (12/08-1/2012).
 - **ASTRO 2010 poster selected for ARRO Poster Walk with a Professor**
 Current position – Assistant Professor of Internal Medicine at University of Washington School of Medicine (7/20-present).
6. Sandhya Thulasi Das, PhD – JHU SOM Postdoctoral Fellow (2/10-8/10).
Current position - Postdoctoral Fellow (Wayne Mitzner Lab) Bloomberg School of Public Health at Johns Hopkins University (9/10-present).
7. Saravanan Thiyagarajan, DVM, MS, PhD – JHU SOM Postdoctoral Fellow (10/09-12/10).
Current position – Principal Scientist and Group Leader of Oncology-Pharmacology, Mitra Biotech Private Limited, Mazumdar-Shaw Cancer Center, Bangalore, India (12/10-present).
8. Michael Armour, MS, DVM - JHU SOM Research Technologist/Pre-Vet (11/09-6/11).
Current position – Chief of Staff Veterinarian at Banfield Pet Hospital (7/18-present).
9. Tarek Salih, BS - JHU SOM Research Technologist/Pre-Med (1/10-5/11).
 - **Johns Hopkins Post-baccalaureate Research Education Program (PREP) Scholar 2010**
 - **3rd Place Oral Presentation at JHU Rad Onc Retreat 2010**
 Current position – Community Family Physician (7/20-present).
10. Parisa Moghaddam-Taaheri, BS - JHU Biomed Engineering Undergraduate Student (1/11-4/11).
Current position – Bioengineering Graduate Student at University of Maryland (9/13-present).
11. Khaled Aziz, MS – JHU SOM Research Technologist/Pre-Med (1/10-5/12).
 - **ASTRO 2011 Oral Presentation in the Biology Session - New Targets: DNA Damage Response and Intracellular Signals**
 Current position – Radiation Oncology Resident at JHU SOM (7/21-present).
12. Jing Zeng, MD - JHU SOM Postdoctoral Fellow/Resident (7/10-6/12).
 - **1st Place Poster at JHU Rad Onc Symposium 2011**
 - **ASCO 2011 Oncology Trainee Travel Award**
 - **RSNA Roentgen Resident Research Award 2011**
 - **ASTRO 2011 Oral Presentation in the Biology Session - New Targets: mTOR and Tumor Microenvironment**
 - **ASTRO 2011 National Meeting Abstract Award**
 - **1st Place Oral Presentation at JHU Rad Onc Retreat 2011**
 - **ICTR-PHE 2012 Oral Presentation(s): (1) Proffered Papers - Biology (I); and (2) Proffered Papers – Clinics (II)**
 Current position –Professor and Vice Chair of Radiation Oncology at University of Washington School of Medicine (7/22-present).
13. Janet Chong – University of Maryland Biology Undergraduate Student (12/11-12/12).
Current position – University of Maryland Biology Undergraduate Student (12/11-present).
14. Travis Peck, MD – University of Delaware Biochemistry Undergraduate Student (1/13-5/13, 5/14-8/14).
Current position – Surgical Vitreoretinal Fellow at The Retina Group of Washington (7/21-present).
15. Nishant Ghandi, MS - JHU SOM Research Technologist/Pre-doctoral (5/11-6/13).
 - **ASTRO 2012 Poster Discussion in the Biology Session**

- Current position – Research Scientist, Caris Life Sciences (7/20-present).
16. Siddharth Menon, MS – JHU Biology Undergraduate Student (2/12-6/13).
Current position – University of Virginia Ophthalmic Assistant (8/14-present).
 17. Sarah Manmiller, MD – York College of Pennsylvania Biology Undergraduate Student (5/13-1/14).
 - **Leadership Alliance Summer Research Early Identification Program (SR-EIP) 2013**
 - **NIH Post-baccalaureate Internal Research Training Award Program 2014**
 Current position – Internal Medicine Resident at Penn State College of Medicine (7/19-present).
 18. Sivarajan T. Chettiar, PhD - JHU SOM Postdoctoral Fellow (11/10-10/13).
 - **ASTRO 2013 Poster Discussion in the Biology Session**
 Current position – Senior Manager Research & Development, Archeron Group, Bangalore, India (10/20-present).
 19. Amanda Walker, MD – JHU SOM Postdoctoral Fellow/Resident (1/13-6/14).
 - **RSNA Research Resident Grant 2013**
 - **ASTRO 2014 Oral Presentation in the Biology Session - Immunotherapy and the Microenvironment**
 - **ASTRO 2014 National Meeting Abstract Award**
 - **1st Place Oral Presentation at JHU Rad Onc Retreat 2014**
 - **Acting Associate Director, Oncology Center of Excellence, Division of Oncology Products 1, Office of Hematology and Oncology (OHOP), Center for Drug Evaluation and Research (CDER), US Food and Drug Administration (FDA)**
 Current position – Senior Medical Director, Point Biopharma (2/23-present).
 20. Aaron T. Wild, MD – JHU SOM Medical Student (8/11-6/14).
 - **RSNA Research Medical Student Grant 2012**
 - **ASTRO 2012 Poster Discussion in the SBRT Techniques Session**
 - **ASTRO 2013 Oral Presentation in the GI Session – SBRT and Hypofractionation**
 Current position – Radiation Oncology Attending at Southeast Radiation Oncology (SERO)/Levine Cancer Institute (7/19-present).
 21. Rajendra Gajula, PhD - JHU SOM Postdoctoral Fellow (10/10-9/14).
Current position – Faculty Scientist, Institute of Bioinformatics, Bangalore, India (9/17-present).
 22. Russell Williams, PhD – JHU SOM Postdoctoral Fellow (4/12-3/15).
 - **JHU Laboratory Radiation Oncology Training Fellow 2012 (NIH-T32CA121937)**
 Current position – Scientist, GeneDx, Gaithersburg, MD (4/15-present).
 23. Anvesh Annadanam – JHU Biomed Engineering/Pre-Med Undergraduate Student (6/12-6/15).
 - **JHU James Buchanan Brady Urological Institute Summer Urological Research Experience 2012**
 Current position – Ophthalmology Resident at University of Michigan (7/20-present).
 24. Katriana Nugent, BA, MSN – JHU SOM Research Technologist/Pre-Nursing (4/13-1/16).
Current position – PICU Nurse at Lucile Packard Stanford Children's Hospital (7/21-present).
 25. Jessica Cades, PhD – JHU SOM Pharmacology and Molecular Sciences Graduate Student (7/12-12/15).
Current position – US FDA, Office of Urologic Medical Devices Chemist (1/16-present).
 26. Kekoa Tapparra, MD, PhD – JHU SOM Cellular and Molecular Medicine Graduate Student (3/13-6/16).
 - **NIH/NCI - 1F31CA189588-01 Grant 2014-2017**
 - **AACR Associate Member Council 2015**
 - **AACR Minority Scholar in Cancer Research Award 2015**
 - **Thermo Fisher Scientific Pierce Antibody Scholarship 2015**
 - **Johns Hopkins Martin Luther King, Jr. Award for Community Service 2015**
 - **1st Place Oral Presentation at JHU Rad Onc Retreat 2015**
 - **AACR-Takeda Scholar-in-Training Award 2016**
 Current position – Radiation Oncology Resident at Stanford SOM (7/21-present).
 27. Matthew Ballew, DO – University of Maryland Pre-Med/JHU SOM Research Technologist (9/14-6/16).
Current position – Medicine Resident at Fort Belvoir, VA (7/20-present).
 28. Janson Trieu, MD – University of Arizona College of Medicine Student (6/15-1/17).

- **University of Arizona College of Medicine Research Distinction Track**
Current position – Community Internal Medicine Physician (7/21-present).
- 29. Ghali Lemtiri-Chlieh, MD – JHU SOM Research Technologist/Pre-Med (4/16-6/17).
Current position – Urology Resident at Lahey Hospital and Medical Center (7/21-present).
- 30. Natasha Raman, MD – University of Maryland Medical Student (5/14-8/14, 11/16-6/17).
 - **ASTRO 2017 Poster Discussion Session**
Current position – Medical Oncology Fellow at Ohio State University (7/21-present).
- 31. Noura Radwan, MD – JHU SOM Postdoctoral Fellow (10/15-6/18).
Current position – Clinical Study Coordinator at JHU SOM (10/19-present).
- 32. Xing Wang, MD, PhD – Chongqing Medical University MD-PhD candidate (7/16-5/18).
Current position – Surgical Oncology Resident at 7th Affiliated Hospital of Sun Yat-Sen University, China (7/18-present).
- 33. Roche Kapoor, MHS – JHU SOM Research Technologist/Pre-Med (5/17-7/18).
Current position – Medical student at Rosalind Franklin University of Medicine and Science (8/18-present).
- 34. Mustafa Barbhuiya, PhD – JHU SOM Postdoctoral Fellow (8/15-7/18).
 - **American Society of Clinical Pathology 40 Under Forty Honoree 2019**
Current position – Assistant Professor of Pathology and Medical Director Clinical Chemistry at University of Massachusetts Medical School - Baystate (7/21-present).
- 35. Jonathan Hayman, MD – JH Bayview Internal Medicine Resident (7/16-6/19).
Current position – Associate Medical Director, Seagen, Seattle, WA (2/21-present).
- 36. Reem Malek, PhD – JHU SOM Postdoctoral Fellow (8/13-8/19).
 - **Prostate Cancer Foundation Young Investigator Award 2016-2019**
 - **Invited Speaker at the Coffey-Holden Prostate Cancer Academy 2017**
 - **Oral presentation at the 8th Biennial TEMTIA Meeting 2017**
 - **Postdoctoral Travel Grant for the 8th Biennial TEMTIA Meeting 2017**
 - **Honorable Mention Poster Presentation at JHU Rad Onc Retreat 2018**
 Current position – Associate Director of Research Grants Program, Pancreatic Cancer Action Network (9/19-present).
- 37. Ryan M. Phillips, MD, PhD – JHU SOM Postdoctoral Fellow/Resident (12/16-6/20).
 - **ASCO 2017 Poster Discussion Session**
 - **RSNA Research Resident Grant 2018**
 - **ASTRO 2018 Oral Presentation in the Physics 13 Session – Treatment Delivery Techniques**
 - **ASTRO 2018 Oral Presentation in the Biology 2 Session – Radiation and Immune Response I**
 - **JHU Radiation Oncology Research Chief Resident 2019**
 - **ASCO/AACR Methods in Clinical Cancer Research Workshop 2019**
 - **ASTRO 2019 Late Breaking Abstract Oral Presentation in the Clinical Trials Session**
 - **RSNA Roentgen Resident Research Award 2020**
 Current position – Assistant Professor of Radiation Oncology at the Mayo Clinic (7/20-present).
- 38. William T. Hrinivich, PhD – JHU SOM Postdoctoral Fellow/Resident (6/18-6/20).
 - **2nd Place Oral Presentation at JHU Rad Onc Retreat 2019**
 - **Oral presentation at the ASTRO-RSNA Treatment of Oligometastatic Disease: Closer to the Cure Workshop 2019**
 - **American Association of Physicists in Medicine (AAPM) Research Seed Funding Grant 2020**
 - **2nd Place Oral Presentation at JHU Rad Onc Retreat 2020**
 Current position – Staff Medical Physicist of Radiation Oncology at the JHU SOM (7/20-present).
- 39. Jason (Xiangqian) Shi, ScM – JHU BSPH BMB ScM Graduate Student (7/20-8/21).
Current position – Research technician at JHU SOM (11/21-present).
- 40. Matthew P. Deek, MD – JHU SOM Postdoctoral Fellow/Resident (5/18-6/21).
 - **JHU Radiation Oncology Chief Resident 2020**
 - **RSNA Roentgen Resident Research Award 2021**
 - **DoD Prostate Cancer Physician Research Training Award 2021**

- **ASTRO 2022 Oral Presentation in the Biology 7 Session – Biomarkers, Tumor Biology and Radiation Response**
 - **ASTRO 2022 Annual Meeting Abstract Award**
- Current position – Assistant Professor of Radiation Oncology at Rutgers Robert Wood Johnson Medical School (7/21-present).
41. Caleb Smack, BA – JHU SOM Research Technologist/Pre-Med (7/19-7/21).
Current position – Medical student at Eastern Virginia Medical School (8/21-present).
 42. Christine Lam, PhD – JHU SOM Cellular and Molecular Medicine Graduate Student (7/18-6/21).
 - **National Science Foundation Graduate Research Fellowship 2019-2021**
 - **ASTRO 2020 Oral Presentation in the Biology Session – Radiation and Cancer Biology**
 Current position – Medical student at UCLA School of Medicine (8/21-present).
 43. Ismaeel Siddiqui, BA – JHU SOM Research Technologist (9/18-11/21), UM SOM Research Technologist (12/21-1/22).
Current position – Masters student at University of Pittsburgh School of Health and Rehabilitation Sciences (1/22-present).
 44. Hailun Wang, PhD – JHU SOM Postdoctoral Fellow (3/13-2/17), Instructor (3/17-9/21).
 - **Uniting Against Lung Cancer Young Investigator Award 2014-2016**
 - **JHU-AHN Cancer Research Award 2018-2019**
 - **Invited Speaker at the NIH-FDA Glycoscience Research Day 2019**
 - **JHU-AHN Cancer Research Award 2020-2021**
 Current position – Vice President, GenoImmune Therapeutics, Wuhan, China (1/22-present).
 45. Francesca Anna Carrieri, PhD – JHU SOM Postdoctoral Fellow (1/19-12/22).
 - **AACR-Novocure Tumor Treating Fields Research Fellowship 2019-2020**
 - **AACR Radiation Science and Medicine 2021 Oral Presentation in Plenary Session 8**
 - **3rdth Place Oral Presentation at JHU Rad Onc Retreat 2021**
 Current position – Principal Scientist, Lonza, Basel, Switzerland (1/23-present).
 46. Shreya Jagtap, MS – UM SOM Research Technologist (5/22-1/23).
Current position – Graduate student at JHU SOM CMM (6/23-present).
 47. Theresa Hodges, PhD – UM SOM Bioinformatics Analyst (1/22-1/23).
Current position – UM SOM Bioinformatics Analyst (2/23-present).

Current:

1. Audrey Lafargue, PhD – JHU SOM Postdoctoral Fellow (11/16-10/21), UM SOM Research Associate (11/21-present).
 - **DoD CDMRP LCRP Concept Award 2018**
 - **Honorable Mention (4th Place) Oral Presentation at JHU Rad Onc Retreat 2020**
 - **2nd Place Poster Presentation at UM Rad Onc Research Symposium 2023**
2. Philip Sutera, MD – JHU SOM Postdoctoral Fellow/Resident (2/21-present).
 - **ASCO 2022 Poster Discussion Session**
 - **ASTRO 2022 Oral Presentation in the GU 1 Session – Improving Prostate Cancer Survival**
 - **ASTRO 2022 Oral Presentation in the Biology 7 Session – Biomarkers, Tumor Biology and Radiation Response**
 - **ARS 2023 Oral Presentation in the GU Session**
3. Tung Hoang, BS – JHU BSPH BMB Graduate Student (5/21-present).
4. Triet Nguyen, BA – JHU BSPH BMB Graduate Student (6/21-present)
 - **NCI U54 ARTNet 2023 Kickoff Meeting Revision Awardee Presentation**
5. Jinhee Chang, BS – JHU SOM/UM SOM Research Technologist/Pre-Med (9/21-present).
6. Amol Shetty, PhD – UM SOM Bioinformatics Software Engineer Manager (1/22-present).
7. Yang Song, PhD, MS – UM SOM Senior Bioinformatics Analyst (1/22-present).
8. Claudia Datnow-Martinez, MPH – UM SOM Health Program Specialist (5/22-present).
9. William Mendes, MD – UM SOM Postdoctoral Fellow (6/22-present).

10. Aaron Chan – UM SOM Research Technologist/Pre-Med (6/22-present).
11. Dipanwita Dutta Chowdhury, MS – UM SOM GPILS Graduate Student (9/22-present).
12. Jadya Stewart, MS – UM U54 ROBIN OligoMET Program Manager (9/22-present).
13. Muhammad Ajmal Khan, PhD – UM SOM Postdoctoral Fellow (12/22-present).
14. Danielle Council, MS – UM SOM Research Technologist (4/23-present).
15. Daniel Lesperance, MS – UM SOM Bioinformatics Analyst (5/23-present).

Occupational Background:

- 1) **Laboratory Research Technician I.** Shriners Hospital for Crippled Children, Research Division, Portland, Oregon; Dr. Silvio Garofalo, employer. October 1996-July 1997 (15 hrs/wk).
- 2) **Laboratory Research Assistant I.** UCSD School of Medicine, San Diego, CA; Dr. Tsutomu Nobori, employer. October 1993-July 1996 (30+hrs/wk).

Extracurricular Activities:

- 1) **OHSU All-Hill Graduate Student Representative.** 1998-2001.
- 2) **OHSU MD/PhD Bench-to-Bedside Seminar Series Organizer.** 1997-2000.
- 3) **OHSU Student Representative for The Harvey Baker Lecture Series.** An affiliate organization of the Portland chapter of the American Cancer Society. November 1996-1997.
- 4) **Volunteer.** AIDS Foundation San Diego, Public Education Department. 1993-1995.
- 5) **Member of the National Championship UCSD Surf Team.** 1993-1995.
- 6) **Volunteer.** UCSD Medical Center, Pulmonary Special Procedures Unit; Dr. J. Harrell and Dr. H. Colt, directors. 1993-1995 (4 hr./wk).
- 7) **Advanced Certified Scuba Diver.** Professional Association of Diving Instructors (PADI). 1992.



Phuoc T. Tran

6/7/2023

Date