

# ROBIN OligoMET Center

## Monthly Research Update: February 2024

### Publications

FEBRUARY AT A GLANCE TOTALS	
Publications	10
Grants and contracts	
New awards	0
Submitted	1
Oral Presentations	1
Abstracts	1
Clinical trials	
TERPS	0
Awards/Honors	2

Please submit all monthly updates to Jadyne Stewart at [jadynstewart@som.umaryland.edu](mailto:jadynstewart@som.umaryland.edu) by second Wednesday of each month.

- Ajithkumar T, Avanzo M, Yorke E, Tsang DS, Milano MT, Olch AJ, Merchant TE, Dieckmann K, Mahajan A, Fuji H, Paulino AC, Timmermann B, Marks LB, **Bentzen SM**, Jackson A, Constine LS. **PENTEC Organ-Specific Report: Brain and Brain Stem Necrosis After Reirradiation for Recurrent Childhood Primary Central Nervous System Tumors: A PENTEC Comprehensive Review.** *Int J Radiat Oncol Biol Phys.* 2024 Feb 1:S0360-3016(24)00001-4. doi: 10.1016/j.ijrobp.2023.12.043. Epub ahead of print. PMID: 38300187.
- Augello MA, Chen X, Liu D, Lin K, Hakansson A, Sjöström M, Khani F, Deonarine LD, Liu Y, Travascio-Green J, Wu J, **Loda M**, Feng FY, Robinson BD, Davicioni E, Sboner A, Barbieri CE. **Canonical AREs are tumor suppressive regulatory elements in the prostate.** *bioRxiv [Preprint].* 2024 Feb 27:2024.02.23.581466. doi: 10.1101/2024.02.23.581466. PMID: 38464162; PMCID: PMC10925218.
- Bazyar S, Mannuel H, **Tran PT.** **Stereotactic ablative radiation therapy in metastatic prostate cancer.** *Curr Opin Oncol.* 2024 May 1;36(3):180-185. doi: 10.1097/CCO.0000000000001025. Epub 2024 Feb 15. PMID: 38362949; PMCID: PMC10990008.
- Kishan AU, Siva S, Hofman MS, Nagarajah J, Kiess AP, **Tran P**, Calais J. **The Potential Contribution of Radiopharmaceutical Therapies in Managing Oligometastatic Disease.** *J Nucl Med.* 2024 Feb 15:jnumed.123.266772. doi: 10.2967/jnumed.123.266772. Epub ahead of print. PMID: 38360048.
- Mak KS, Scannell Bryan M, Dignam JJ, Shipley WU, Lin Y, Peters CA, Gore EM, Rosenthal SA, Zeitzer KL, D'Souza DP, Horwitz EM, Pisansky TM, Maier JM, Chafe SM, Robin TP, Roach M 3rd, **Tran PT**, Souhami L, Michalski JM, Hartford AC, Feng FY, Sandler HM, Efsthathiou JA. **Cardiovascular Mortality and Duration of Androgen Deprivation in Locally Advanced Prostate Cancer: Long-term Update of NRG/RTOG 9202.** *Eur Urol Focus.* 2024 Mar;10(2):271-278. doi: 10.1016/j.euf.2024.01.008. Epub 2024 Feb 1. PMID: 38307806; PMCID: PMC11257781.
- Markan U, **Baker K**, **Eggleston C**, Cheston SB, Mohindra P, Nichols E, McAvoy S, **Bentzen SM**, Vyfhuis MAL. **Psychosocial Factors That Influence a Woman's Decision to Enroll in a Clinical Trial: Implications on How to Improve Clinical Trial Enrollment Among Black Women.** *Int J Radiat Oncol Biol Phys.* 2024 Feb 21:S0360-3016(24)00328-6. doi: 10.1016/j.ijrobp.2024.02.017. Epub ahead of print. PMID: 38387814.
- Morgan TM, Boorjian SA, Buyyounouski MK, Chapin BF, Chen DYT, Cheng HH, Chou R, Jacene HA, Kamran SC, Kim SK, Kirkby E, Luckenbaugh AN, Nathanson BJ, Nyame YA, Posadas EM, **Tran PT**, Chen RC. **Salvage Therapy for Prostate Cancer: AUA/ASTRO/SUO Guideline Part I: Introduction and Treatment Decision-Making at the Time of Suspected Biochemical Recurrence after Radical Prostatectomy.** *J Urol.* 2024 Apr;211(4):509-517. doi: 10.1097/JU.0000000000003892. Epub 2024 Feb 29. PMID: 38421253.

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## Publications

8. Morgan TM, Boorjian SA, Buyyounouski MK, Chapin BF, Chen DYT, Cheng HH, Chou R, Jacene HA, Kamran SC, Kim SK, Kirkby E, Luckenbaugh AN, Nathanson BJ, Nyame YA, Posadas EM, **Tran PT**, Chen RC. [Salvage Therapy for Prostate Cancer: AUA/ASTRO/SUO Guideline Part II: Treatment Delivery for Non-metastatic Biochemical Recurrence After Primary Radical Prostatectomy](#). J Urol. 2024 Apr;211(4):518-525. doi: 10.1097/JU.0000000000003891. Epub 2024 Feb 29. PMID: 38421243.
9. Morgan TM, Boorjian SA, Buyyounouski MK, Chapin BF, Chen DYT, Cheng HH, Chou R, Jacene HA, Kamran SC, Kim SK, Kirkby E, Luckenbaugh AN, Nathanson BJ, Nyame YA, Posadas EM, **Tran PT**, Chen RC. [Salvage Therapy for Prostate Cancer: AUA/ASTRO/SUO Guideline Part III: Salvage Therapy After Radiotherapy or Focal Therapy, Pelvic Nodal Recurrence and Oligometastasis, and Future Directions](#). J Urol. 2024 Apr;211(4):526-532. doi: 10.1097/JU.0000000000003890. Epub 2024 Feb 29. PMID: 38421252.
10. Zhao L, Wang Y, Sun X, Zhang X, **Simone N**, He J. [ELK1/MTOR/S6K1 Pathway Contributes to Acquired Resistance to Gefitinib in Non-Small Cell Lung Cancer](#). Int J Mol Sci. 2024 Feb 17;25(4):2382. doi: 10.3390/ijms25042382. PMID: 38397056; PMCID: PMC10888698.

## Grants and Contracts

### Funded:

- None reported.

### Submitted:

- **Tran, Phuoc, MD PhD, PI**. PA-23-189, Administrative Supplement to NIH R01 CA231189, “Research supplement to promote diversity in health-related research” (\$175,223).

## Oral Presentations

- **Luigi M.**, Radiation Oncology-Biology Integration Network, ImmunoRad ROBIN Center - Cross Curriculum Lecture (February 21, 2024 – Online). “A Hitchhiker’s Guide to Big Data Based Biomarkers.”

## Abstracts

- Rebecca Krc, William Mendes, Jason Molitoris, Matthew Ferris, Yang Song, Amol Shetty, Ranee Mehra, John Papadimitriou, Kyle Hatten, Rodney Taylor, Jeffrey Wolf, **Kai Sun**, **Soren Bentzen**, William Regine, **Phuoc 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. Multidisciplinary Head and Neck Cancers Symposium 2024.

## Clinical Trial Enrollment

- 0 patient was enrolled (18/122 total) on the **TERPS trial**.

## Awards/Honors

- **Phuoc T.** serves as Ad Hoc Reviewer at Nature Cancer.
- **Phuoc T.** serves as Ad Hoc Reviewer at Lancet

*Please note that these examples are representative of productivity from the ROBIN OligoMET Center members and are not exclusively attributable to the U54 grant.*