

ROBIN OligoMET Center

Monthly Research Update: April 2023

Publications

APRIL AT A GLANCE TOTALS	
Publications	6
Grants and contracts	
New awards	1
Submitted	0
Oral Presentations	1
Abstracts	2
Clinical trials	
TERPS	1
Awards/Honors	3

Please submit all monthly updates to Jadyne Stewart at jadynstewart@som.umaryland.edu by second Wednesday of each month.

1. Camacho A, Salah F, Bay CP, Waring J, Umeton R, Hirsch MS, Cole AP, Kibel AS, **Loda M**, Tempany CM, Fennessy FM. [PI-RADS 3 score: A retrospective experience of clinically significant prostate cancer detection](#). BJUI Compass. 2023 Apr 11;4(4):473-481. doi: 10.1002/bco2.231. PMID: 37334024; PMCID: PMC10268585.
2. Pakula H, Omar M, Carelli R, Pederzoli F, Fanelli GN, Pannellini T, Van Emmenis L, Rodrigues S, Fidalgo-Ribeiro C, Nuzzo PV, Brady NJ, Jere M, Unkenholz C, Alexanderani MK, Khani F, de Almeida FN, Abate-Shen C, Greenblatt MB, Rickman DS, Barbieri CE, Robinson BD, **Marchionni L, Loda M**. [Distinct mesenchymal cell states mediate prostate cancer progression](#). bioRxiv [Preprint]. 2023 Apr 1:2023.03.29.534769. doi: 10.1101/2023.03.29.534769. PMID: 37034687; PMCID: PMC10081210.
3. McIntire RK, Juon HS, Keith SW, **Simone NL**, Waters D, Lewis E, Zeigler-Johnson C. [A novel method for measuring the burden of breast cancer in neighborhoods](#). Prev Med Rep. 2023 Apr 26;33:102218. doi: 10.1016/j.pmedr.2023.102218. PMID: 37223584; PMCID: PMC10201825.
4. Spratt DE, Tang S, Sun Y, Huang HC, Chen E, Mohamad O, Armstrong AJ, Tward JD, Nguyen PL, Lang JM, Zhang J, Mitani A, Simko JP, DeVries S, van der Wal D, Pinckaers H, Monson JM, Campbell HA, Wallace J, Ferguson MJ, Bahary JP, Schaeffer EM, Consortium NPCA, Sandler HM, **Tran PT**, Rodgers JP, Esteva A, Yamashita R, Feng FY. [Artificial Intelligence Predictive Model for Hormone Therapy Use in Prostate Cancer](#). Res Sq [Preprint]. 2023 Apr 21:rs.3.rs-2790858. doi: 10.21203/rs.3.rs-2790858/v1. PMID: 37131691; PMCID: PMC10153374.
5. Weiner AB, Liu Y, Hakansson A, Zhao X, Proudfoot JA, Ho J, Zhang JH, Li EV, Karnes RJ, Den RB, Kishan AU, Reiter RE, Hamid AA, Ross AE, **Tran PT**, Davicioni E, Spratt DE, Attard G, Lotan TL, Lee Kiang Chua M, Sweeney CJ, Schaeffer EM. [A novel prostate cancer subtyping classifier based on luminal and basal phenotypes](#). Cancer. 2023 Apr 14. doi: 10.1002/cncr.34790. Epub ahead of print. PMID: 37060201.
6. Yang Y, Zhang L, **Ren L**, Zhou L, Wang X. [SuperMini-seg: An ultra lightweight network for COVID-19 lung infection segmentation from CT images](#). Biomed Signal Process Control. 2023 Aug;85:104896. doi: 10.1016/j.bspc.2023.104896. Epub 2023 Mar 21. PMID: 36998783; PMCID: PMC10028361.

Grants and Contracts

Funded:

- **Erika Davies, PhD, PI**, from PureTech LYT 100, Inc. for “Non-clinical studies in a mouse model of the delayed effects of acute radiation exposure, specifically radiation pneumonitis/fibrosis (DEARE lung fibrosis)” (\$82,974; Apr–Sep 2023).

Submitted:

- None reported

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Oral Presentations

- **Phuoc T.**, ASTRO Annual Refresher Course 2023. (April 27, 2023 – Virtual). “NRG Oncology Digital Pathology Initiatives to Improve GU Precision Radiation Medicine”.

Abstracts

- 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.
- Matthew Deek, Philip Sutera, Yuezhou Jing, Anis Hamid, Daniel Y Song, Movember Oligometastatic Prostate Cancer Consortium, Bruce Trock, **Phuoc T. Tran**, Silke Gillesen, 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.**

Clinical Trial Enrollment

- 1 patient was enrolled (6/122 total) on the **TERPS trial**.

Awards/Honors

- **Phuoc T.** appointed as Chair at AACR-Novocure Tumor Treating Fields Research Grants Scientific Review Committee.
- **Søren B.** receives BIR medal for Outstanding International Achievement.
- **Zaker R.** appointed as Director of Medical Student Elective Course and Medical Student Research Internships at the Dept. of Radiation Oncology at University of Maryland Baltimore School of Medicine.

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