

# ROBIN OligoMET Center

## Monthly Research Update: December 2023

### Publications

DECEMBER AT A GLANCE TOTALS	
Publications	7
Grants and contracts	
New awards	2
Submitted	1
Oral Presentations	1
Abstracts	0
Clinical trials	
TERPS	1
Awards/Honors	0

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

- Butryn ML, Hagerman CJ, Crane NT, Ehmann MM, Forman EM, Milliron BJ, **Simone NL**. [Test of a Behavioral Intervention to Improve Adherence to Dietary Recommendations for Cancer Prevention](#). *Cancer Control*. 2023 Jan-Dec;30:10732748231214122. doi: 10.1177/10732748231214122. PMID: 37950612; PMCID: PMC10640808.
- Chaudagar K, Hieromnimon HM, Kelley A, Labadie B, Shafran J, Rameshbabu S, Drovetsky C, Bynoe K, Solanki A, Markiewicz E, Fan X, **Loda M**, Patnaik A. [Suppression of Tumor Cell Lactate-generating Signaling Pathways Eradicates Murine PTEN/p53-deficient Aggressive-variant Prostate Cancer via Macrophage Phagocytosis](#). *Clin Cancer Res*. 2023 Dec 1;29(23):4930-4940. doi: 10.1158/1078-0432.CCR-23-1441. PMID: 37721526; PMCID: PMC10841690.
- Esquea E, Ciraku L, Young RG, Merzy J, Talarico AN, Rashad AA, Cocklin S, **Simone NL**, Beld J, Reginato MJ, Dick A. [Discovery of novel brain permeable human ACSS2 inhibitors for blocking breast cancer brain metastatic growth](#). *bioRxiv [Preprint]*. 2023 Dec 23:2023.12.22.573073. doi: 10.1101/2023.12.22.573073. PMID: 38187734; PMCID: PMC10769402.
- Gheybi K, Mmekwa N, Lebelo MT, Patrick SM, Campbell R, Nenzhelele M, Soh PXY, Obida M, **Loda M**, Shirindi J, Butler EN, Mutambirwa SBA, Bornman MSR, Hayes VM. [Linking African ancestral substructure to prostate cancer health disparities](#). *Sci Rep*. 2023 Nov 27;13(1):20909. doi: 10.1038/s41598-023-47993-x. PMID: 38017150; PMCID: PMC10684577.
- Milano MT, Marks LB, Olch AJ, Yorke ED, Jackson A, **Bentzen SM**, Constone LS. [Comparison of Risks of Late Effects From Radiation Therapy in Children Versus Adults: Insights From the QUANTEC, HyTEC, and PENTEC Efforts](#). *Int J Radiat Oncol Biol Phys*. 2023 Dec 7:S0360-3016(23)07910-5. doi: 10.1016/j.ijrobp.2023.08.066. Epub ahead of print. PMID: 38069917.
- Ling X, Alexander GS, Molitoris J, Choi J, Schumaker L, Mehra R, Gaykalova DA, **Ren L**. [Identification of CT-based non-invasive radiomic biomarkers for overall survival prediction in oral cavity squamous cell carcinoma](#). *Sci Rep*. 2023 Dec 8;13(1):21774. doi: 10.1038/s41598-023-48048-x. PMID: 38066047; PMCID: PMC10709435.
- Wefel JS, Deshmukh S, Brown PD, Grosshans DR, Sulman EP, Cerhan JH, Mehta MP, Khuntia D, Shi W, **Mishra MV**, Suh JH, Laack NN, Chen Y, Curtis AA, Laba JM, Elsayed A, Thakrar A, Pugh SL, Bruner DW. [Impact of Apolipoprotein E Genotype on Neurocognitive Function in Patients With Brain Metastases: An Analysis of NRG Oncology's RTOG 0614](#). *Int J Radiat Oncol Biol Phys*. 2023 Dec 13:S0360-3016(23)08238-X. doi: 10.1016/j.ijrobp.2023.12.004. Epub ahead of print. PMID: 38101486.

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## Grants and Contracts

### Funded:

- **Eddie Imada, PhD**, PI, from Department of Defense, for “Characterizing 3'-UTR biology as a mechanism of therapy response in high risk prostate cancer” (\$900,000.00; 9/30/24-9/29/27)
- **Mohamed Omar, MD**, PI, from Department of Defense, for “Decoding Bone Metastasis in Prostate Cancer: A Multimodal Approach Integrating Genomics and Imaging Data” (\$900,000.00; 9/30/24-9/29/27)

### Submitted:

- **Lei Ren, PhD**, Multi-PI (contact PI: Gaykalova, Daria (IGS)), PA-20-185 NIH R01, for “Study of biological and radiographic biomarkers and association with ancestry and survival disparities in oral cavity squamous cell carcinoma using AI approaches” (\$758,739.00).

## Oral Presentations

- **Phuoc T.**, JHU BSPH BMB Seminar (December 4, 2023 – Baltimore, MD). “The Early Beginnings of Metastatic Prostate Cancer – Biomarkers to Metastasis-Directed Therapy”.

## Abstracts

- None reported.

## Clinical Trial Enrollment

- 1 patient was enrolled (17/122 total) on the **TERPS trial**.

## Awards/Honors

- None reported.

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