

ROBIN OligoMET Center

Monthly Research Update: June 2025

Publications

JUNE AT A GLANCE TOTALS	
Publications	8
Grants and contracts	
New awards	0
Submitted	1
Oral Presentations	0
Abstracts	0
Clinical trials	
TERPS	3
Awards/Honors	0

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

1. Iczkowski KA, De Marzo AM, Agarwal N, Berman DM, Cimagamora A, Fine SW, Greenland N, Khani F, **Loda M**, Lotan TL, Varma M, Chinnaiyan A, Giannarini G, Huang J, Montironi R, Netto GJ, Osunkoya AO, Ratliff T, Kristiansen G, Cheng L, van Leenders GJLH; [Members of the ISUP GU Cancer Precursor Consensus Panel. International Society of Urological Pathology Consensus on Cancer Precursor Lesions. Working Group 1: The Prostate.](#) Am J Surg Pathol. 2025 Jun 23. doi: 10.1097/PAS.0000000000002430. Epub ahead of print. PMID: 40545966.
2. Kwong E, Liu CC, Adapa K, Vizer L, Anderson B, McHugh D, Pawlicki T, Miften M, **Sawant A**, Charguia N, Das S, Marks LB, Wright JL, Mazur L. [Towards better understanding of factors contributing to medical physicist well-being in academic medical centers: A systems-analysis approach.](#) J Appl Clin Med Phys. 2025 Jun;26(6):e70122. doi: 10.1002/acm2.70122. Epub 2025 May 11. PMID: 40350799; PMCID: PMC12148786.
3. Park J, De Gregorio R, Hissong E, Ozcelik E, Bartelo N, Dezem FS, Zhang L, Marçãõ M, Chasteen H, Zheng Y, Abila E, Kim J, Proszynski J, Agyemang AA, Arikatla MR, Wani A, Liu Y, Metzger E, Rogers S, Divakar P, Dulai PS, Reeves J, Liang Y, Pan L, Bhattacharjee S, Patrick M, Young K, Heck A, Korukonda M, McGuire D, Wu L, Wardhani A, Beechem J, Church G, Lipkin SM, Patel S, Socciarelli F, Chandwani R, Monette S, Robinson B, **Loda M**, Elemento O, Martelotto L, Plummer J, Rendeiro AF, Alonso A, Schwartz RE, Houlihan SL, Mason CE. [The Spatial Atlas of Human Anatomy \(SAHA\): A Multimodal Subcellular-Resolution Reference Across Human Organs.](#) bioRxiv [Preprint]. 2025 Jun 19:2025.06.16.658716. doi: 10.1101/2025.06.16.658716. PMID: 40611896; PMCID: PMC12224548.
4. Parker CTA, Mendes L, Liu VYT, Grist E, Joun S, Yamashita R, Mitani A, Chen E, Parry MA, Sachdeva A, Murphy L, Huang HC, Griffin J, van der Wal D, Todorovic T, Lall S, Santos Vidal S, Goncalves M, Thakali S, Wingate A, Zakka L, Brown M, Wetterskog D, Amos CL, Atako NB, Jones RJ, Cross WR, Gillesen S, Parker CC; STAMPEDE collaborators; Berney DM, **Tran PT**, Spratt DE, Sydes MR, Parmar MKB, Clarke NW, Brown LC, Feng FY, Esteva A, James ND, Attard G. [External validation of a digital pathology-based multimodal artificial intelligence-derived prognostic model in patients with advanced prostate cancer starting long-term androgen deprivation therapy: a post-hoc ancillary biomarker study of four phase 3 randomised controlled trials of the STAMPEDE platform protocol.](#) Lancet Digit Health. 2025 Jul;7(7):100885. doi: 10.1016/j.landig.2025.100885. Epub 2025 Jun 3. PMID: 40467357.
5. Salinas CS, Magudia K, Sangal A, **Ren L**, Segars PW. [In-silico CT simulations of deep learning generated heterogeneous phantoms.](#) Biomed Phys Eng Express. 2025 Jun 30. doi: 10.1088/2057-1976/ade9c9. Epub ahead of print. PMID: 40587975.
6. Sharma VR, Jiang Z, Mossahebi S, Shakeri E, Chalise A, Gobbert MK, Peterson SW, Polf JC, **Ren L**. [Modeling prompt gamma \(PG\) emission, detection and imaging in real patient anatomy using a novel Compton camera for dose verification in proton therapy.](#) Phys Med Biol. 2025 Jun 10;70(12). doi: 10.1088/1361-6560/addf0d. PMID: 40446833.

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7. Taliaferro LP, Brenner DJ, Amundson SA, Garty G, Zhang Y, **Davies EW**, Carrier F, Ross JR, Cline JM, Chao NJ. [Centers for Medical Countermeasures against Radiation Consortium: Past, Present, and Beyond](#). Radiat Res. 2025 Jun 27. doi: 10.1667/RADE-24-00275.1. Epub ahead of print. PMID: 40571995.
8. Wang JH, Sherry AD, Bazzyar S, Sutera P, Radwan N, Phillips RM, Deek MP, Lu J, Dipasquale S, Deville C, DeWeese TL, Song DY, Wang H, Hobbs RF, Malek R, Dudley SA, Greco SC, Antonarakis ES, Marshall CH, Denmeade S, Paller CJ, Carducci MA, Pienta KJ, Oz OK, Ramotar M, Leenstra JL, Park SS, Abramowitz MC, Desai N, Berlin A, Stish BJ, Tang C, **Tran PT**, Kiess AP. [Outcomes of Radium-223 and Stereotactic Ablative Radiotherapy Versus Stereotactic Ablative Radiotherapy for Oligometastatic Prostate Cancers: The RAVENS Phase II Randomized Trial](#). J Clin Oncol. 2025 Jun 20;43(18):2059-2068. doi: 10.1200/JCO-25-00131. Epub 2025 May 7. PMID: 40334149; PMCID: PMC12169860.

Grants and Contracts

Funded:

- None Reported

Submitted:

- **Lei Ren, PhD**, MPI, resubmission with SUNY Upstate Medical Center to NIH PA-25-301: Research Project Grant (R01) for “Advancing precision oncology in lung cancer with AI-powered multimodal clinical decision making” (\$1,252,415).

Oral Presentations

- None reported

Abstracts

- None reported

Clinical Trial Enrollment

- 3 patients were enrolled (44/122 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.