

# ROBIN OligoMET Center

## Monthly Research Update: July 2023

### Publications

- Li JJ, Vasciaveo A, Karagiannis D, Sun Z, Chen X, Socciarelli F, Frankenstein Z, Zou M, Pannellini T, Chen Y, Gardner K, Robinson BD, de Bono J, Abate-Shen C, Rubin MA, **Loda M**, Sawyers CL, Califano A, Lu C, Shen MM. [NSD2 maintains lineage plasticity and castration-resistance in neuroendocrine prostate cancer.](#) *bioRxiv* [Preprint]. 2023 Jul 19:2023.07.18.549585. doi: 10.1101/2023.07.18.549585. PMID: 37502956; PMCID: PMC10370123.
- Sutera P, Skinner H, Witek M, **Mishra M**, Kwok Y, Davicioni E, Feng F, Song D, Nichols E, **Tran PT**, Bergom C. [Histology Specific Molecular Biomarkers: Ushering in a New Era of Precision Radiation Oncology.](#) *Semin Radiat Oncol.* 2023 Jul;33(3):232-242. doi: 10.1016/j.semradonc.2023.03.001. PMID: 37331778.

### Grants and Contracts

#### Funded:

- None reported

#### Submitted:

- None reported

### Oral Presentations

- **Cao Y**, Kunaprayoon D, **Ren L.**, AAPM Annual National Meeting. (July 23-July 27 – Houston, TX). “Interpretable AI-assisted clinical decision making (CDM) for dose prescription in radio-surgery of brain metastases.”
- **Ren L.**, AAPM Annual National Meeting. (July 23-July 27 – Houston, TX). “AI for clinical decision support: Current and Future.”

### Abstracts

- **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.
- Shafiq U. Rahman, Konstantin Milman, Ruslan Mogilnay, **Take-Soo Lee**. E-Variance: An Application to Assure Clinical Data Integrity and Improve Patient Safety and Workflows in EMR, AAPM, Houston, Texas, 2023. ePoster presentation at AAPM National Meeting 2023

### Clinical Trial Enrollment

- 1 patient was enrolled (9/122 total) on the **TERPS trial**.

#### JULY AT A GLANCE TOTALS

Publications	2
Grants and contracts	
New awards	0
Submitted	0
Oral Presentations	2
Abstracts	2
Clinical trials	
TERPS	1
Awards/Honors	1

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

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**Awards/Honors**

- **Lei R.** appointed as the Vice-Chair of the American Association of Physicists in Medicine (AAPM) Annual Meeting Committee.
- **Phuoc T.** awarded as one of 2023 ASTRO Mentorship Awardees.

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