

ROBIN OligoMET Center

Monthly Research Update: December 2022

Publications

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

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

- Braunstein EM, Imada E, Pasca S, Wang S, Chen H, Alba C, Hupalo DN, Wilkerson M, Dalgard CL, Ghannam J, Liu Y, **Marchionni L**, Moliterno A, Hourigan CS, Gondek LP. [Recurrent germline variant in ATM associated with familial myeloproliferative neoplasms](#). *Leukemia*. 2022 Dec 21. doi: 10.1038/s41375-022-01797-6. Epub ahead of print. PMID: 36543879.
- Cao Y**, Kunaprayoon D, Xu J, **Ren L**. [AI-assisted clinical decision making \(CDM\) for dose prescription in radiosurgery of brain metastases using three-path three-dimensional CNN](#). *Clin Transl Radiat Oncol*. 2022 Dec 20;39:100565. doi: 10.1016/j.ctro.2022.100565. PMID: 36594076; PMCID: PMC9804100.
- Martinez-Ordoñez A, Duran A, Ruiz-Martinez M, Cid-Diaz T, Zhang X, Han Q, Kinoshita H, Muta Y, Linares JF, Kasashima H, Nakanishi Y, Omar M, Nishimura S, Avila L, Yashiro M, Maeda K, Pannellini T, Pigazzi A, Inghirami G, **Marchionni L**, Sigal D, Diaz-Meco MT, Moscat J. [Hyaluronan driven by epithelial aPKC deficiency remodels the microenvironment and creates a vulnerability in mesenchymal colorectal cancer](#). *Cancer Cell*. 2022 Dec 6:S1535-6108(22)00563-3. doi: 10.1016/j.ccell.2022.11.016. Epub ahead of print. PMID: 36525970.
- McDonald AM, DeMora L, Yang ES, Hoyle JM, Lenzie A, Williams GR, Michalski JM, Yee D, Bahary JP, Den RB, Roach M 3rd, Dess R, **Mishra MV**, Valicenti RK, Lau HY, Marcrom SR, Souhami L, Mendez LC, Chen Y, Doncals DE, Pugh SL, Feng FY, Sandler HM. [Body composition and mortality in men receiving prostate radiotherapy: A pooled analysis of NRG/RTOG 9406 and NRG/RTOG 0126](#). *Cancer*. 2022 Dec 29. doi: 10.1002/cncr.34596. Epub ahead of print. PMID: 36579470.
- Nguyen PL, Huang HR, Spratt DE, Davicioni E, Sandler HM, Shipley WU, Efstathiou JA, Simko JP, Pollack A, Dicker AP, Roach M 3rd, Rosenthal SA, Zeitzer KL, Mendez LC, Hartford AC, Hall WA, Desai AB, Rabinovitch RA, Peters CA, Rodgers JP, **Tran P**, Feng FY. [Analysis of a biopsy-based genomic classifier in high-risk prostate cancer: Meta-analysis of the NRG Oncology/RTOG 9202, 9413, and 9902 phase III randomized trials](#). *Int J Radiat Oncol Biol Phys*. 2022 Dec 31:S0360-3016(22)03688-4. doi: 10.1016/j.ijrobp.2022.12.035. Epub ahead of print. PMID: 36596347.
- Spohn SKB, Draulans C, Kishan AU, Spratt D, Ross A, Maurer T, Tilki D, Berlin A, Blanchard P, Collins S, Bronsert P, Chen R, Pra AD, de Meerleer G, Eade T, Haustermans K, Hölscher T, Höcht S, Ghadjar P, Davicioni E, Heck M, Kerkmeijer LGW, Kirste S, Tselis N, **Tran PT**, Pinkawa M, Pommier P, Deltas C, Schmidt-Hegemann NS, Wiegel T, Zilli T, Tree AC, Qiu X, Murthy V, Epstein JI, Gratzke C, Gao X, Grosu AL, Kamran SC, Zamboglou C. [Genomic classifiers in personalized prostate cancer radiotherapy approaches - a systematic review and future perspectives based on international consensus](#). *Int J Radiat Oncol Biol Phys*. 2022 Dec 31:S0360-3016(22)03691-4. doi: 10.1016/j.ijrobp.2022.12.038. Epub ahead of print. PMID: 36596346.

ROBIN OligoMET Center
Monthly Research Update: December 2022

Grants and Contracts

Funded:

- **Erika Davies, PhD**, PureTech LYT 100, Inc., for “Pharmacokinetic (PK) study of LYT-100 (12/22–6/23)” (\$78,800).
- **Phuoc T. Tran, MD,PhD, contact P/PI** (multi PD/PI with Christopher McFarland, Case Western University), for “Tumor-barcoding coupled with high-throughput sequencing for quantitative radiogenomics of the abscopal response in NSCLC,” R01 CA271540 (01/01/23–12/31/27) (year 1 funding, \$541,670).

Submitted:

- None reported.

Oral Presentations

- **Nicole S.**, Thomas Jefferson Health, Sidney Kimmel Cancer Center, Cancer Risk and Control Program 2022 Retreat (December 14, 2022 – Philadelphia, PA). “Cancer Risk & Control Program.”
- **Nicole S.**, Thomas Jefferson University, Radiation Oncology Retreat 2022 (December 14, 2022 – Philadelphia, PA). “Research 2024 and Beyond.”

Abstracts

- None Reported

Clinical Trial Enrollment

- 0 patients were enrolled (3/122 total) on the **TERPS trial**.

Awards/Honors

- **Phuoc T.** appointed at Prostate Cancer Foundation as PCF TACTICAL Award Reviewer.
- **Phuoc T.** appointed at NIH NCI Molecular Cancer Diagnosis and Classification Study Section (MCDC) as Ad Hoc Reviewer.
- **Phuoc T.** appointed at NIH NCI ROBIN Study Section as Ad Hoc Reviewer.