Selected Research Publications

2025

[1] K M Boehm et al. "Machine learning using >300,000 H&E images refines cancer of unknown primary subtyping". en. In: *Int. J. Radiat. Oncol. Biol. Phys.* 123.1 (Sept. 2025), e719–e720. URL: https://www.redjournal.org/article/S0360-3016(25)03725-3/fulltext.

[2] Kevin M Boehm et al. "Integrated histopathologic modeling of detailed tumor subtypes and actionable biomarkers". en. Aug. 2025. URL: https://www.biorxiv.org/content/10.1101/2025.08.14.670351v1.

[3] Madison Darmofal et al. "Abstract A050: Multimodal integration of H&E slides and matched targeted DNA sequencing data for enhanced cancer subtype identification". en. In: *Clin. Cancer Res.* 31.13_Supplement (July 2025), A050–A050. URL: https://aacrjournals.org/clincancerres/article/31/13_Supplement/A050/763336.

[4] Kevin M Boehm et al. "Abstract PR-03 Inferring genomic properties and histologic subtypes of solid tumors from H&E whole-slide images". en. In: *Clin. Cancer Res.* 31.13_Supplement (July 2025), PR–03–PR–03. URL: https://aacrjournals.org/clincancerres/article/31/13_Supplement/PR-03/763248.

[5] Sarah Eskreis-Winkler et al. "Abstract P1-03-16: Multimodal analyses of clinical, radiology, pathology and genomic information for enhanced prediction of response to neoadjuvant therapy in breast cancer". en. In: *Clin. Cancer Res.* 31.12_Supplement (June 2025), P1–03–16–P1–03–16. URL: https://aacrjournals.org/clincancerres/article/31/12_Supplement/P1-03-16/752434/Abstract-P1-03-16-Multimodal-analyses-of-clinical.

[6] William Asinger et al. "Abstract 7109: Understanding race-specific differences in the predictive performance of computational outcome models for breast cancer". en. In: *Cancer Res.* 85.8_Supplement_1 (Apr. 2025), pp. 7109–7109. URL: https://aacrjournals.org/cancerres/article/85/8_Supplement_1/7109/760664/Abstract-7109-Understanding-race-specific.

[7] Kevin M Boehm et al. "Abstract 2464: Inferring genomic properties from H&E whole-slide images of >60,000 solid tumors". en. In: *Cancer Res.* 85.8_Supplement_1 (Apr. 2025), pp. 2464–2464. URL: https://aacrjournals.org/cancerres/article/85/8_Supplement_1/2464/757194.

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[9] Sandeep Raj et al. "Multi-modal tumor, host, and product features synergistically identify CAR-T treatment failure risk in large B-cell lymphoma". en. In: *Transplant. Cell. Ther.* 31.2 (Feb. 2025), S35–S36. URL: https://www.sciencedirect.com/science/article/abs/pii/S2666636725000703.

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[10] Justin Jee et al. "Automated real-world data integration improves cancer outcome prediction". en. In: *Nature* 636.8043 (Dec. 2024), pp. 728–736. URL: https://doi.org/10.1038/s41586-024-08167-5.

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[12] Christopher J Fong et al. "Abstract 3892: Systematic generation of a clinicogenomic harmonized oncologic real-world dataset (MSK-CHORD)". en. In: *Cancer Res.* 84.6_Supplement (Mar. 2024), pp. 3892–3892. URL: https://aacrjournals.org/cancerres/article/84/6_Supplement/3892/740389.

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[13] C. Firat et al. "The histopathological growth patterns of post-treatment colorectal liver metastases: Presence of mucin is associated with worse overall survival in tumors with desmoplastic pattern". In: *Laboratory investigation.* 103 (Mar. 2023). ISSN: 0023-6837. URL: https://www.laboratoryinvestigation.org/article/S0023-6837(23)00031-4/fulltext.

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[15] Pegah Khosravi et al. "Abstract 1928: Prediction of neoadjuvant treatment outcomes with multimodal data integration in breast cancer". en. In: *Cancer Res.* 82.12_Supplement (June 2022), pp. 1928–1928. URL: https://aacrjournals.org/cancerres/article/82/12_Supplement/1928/701533.