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Mechanisms of Oncogenic Translation in Cancer

The Singh laboratory investigates the gene expression and therapeutic vulnerabilities in cancer through the lens of the ribosome. They study the mechanisms of mRNA translation and the role of regulatory RNA in cancer progression, metastasis, and immune regulation.

References:

1. Nguyen TU, Hector H, Pederson EN, Lin J, Ouyang Z, Wendel HG, Singh K. Rapamycin-Induced Feedback Activation of eIF4E-EIF4A Dependent mRNA Translation in Pancreatic Cancer. *Cancers (Basel)*. 2023. 15(5):1444. doi: 10.3390/cancers15051444. PMID: 36900235.
2. Singh K et al. Targeting eIF4A-Dependent Translation of KRAS Signaling Molecules. *Cancer Res*. 2021. 81(8):2002-2014. doi: 10.1158/0008-5472.CAN-20-2929. PMID: 33632898.

Monday, Dec. 4, 2023 @12:30pm
Hunter North Room 926
Host: Andy Wolfe