

PIONEERS IN BIOMEDICAL RESEARCH SEMINAR

Presented by the Fralin Biomedical Research Institute and sponsored by institute's Cancer Research Center – D.C.



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From Variant Functionality to Resistance in Cancer

Dr. Hayes seeks to understand the rules and mechanisms governing signal transduction plasticity. Using high-throughput genetic screening approaches, her lab has developed systematic strategies to assess variant functionality and resistance to targeted therapies. From their studies, Dr. Hayes's team has identified functionality for previously uncharacterized patient observed EGFR variants. Many of these uncharacterized variants were enriched in the EGFR dimerization domains and were partially dependent on MAPK signaling. They have also extended these findings to other HER family members. Together, using high-throughput genetic screening can reveal important insights into mechanisms driving signal transduction plasticity.

SEPT. 27, 2024 at 11 a.m.

Collaboratory, Children's National Research and Innovation Campus, Washington, D.C.
Watch live via Zoom at <https://FralinBioMed.info/PBR-Join>.



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