Integration of Proteomics and Metabolomics to Elucidate Metabolic Adaptations in Triple Negative Breast Cancer

Emerging Omics Webinar Series

Live webinar

Date: Thursday April 26, 2018
Time: 11:00 a.m. EDT / 8:00 a.m. PDT
Will also be available on-demand

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Integration of proteomics and metabolomics to elucidate metabolic adaptations in triple negative breast cancer

This webinar will demonstrate how multi-omics tools can be employed to discover metabolic compensations that occur in TNBC cells in response to a blockade of mitochondrial folate-dependent 1-C reactions – ultimately translating this knowledge into effective new personalized combination therapies for TNBC. This lofty discovery goal is being accomplished using an LC/MS strategy that combines untargeted metabolomics, proteomics and stable isotope tracing approach that can enable broad disclosure of synthetic lethalities in TNBC cells for targeting in combination with standard-of-care antifolate therapies.

Proof-of-principle results will be presented, demonstrating the efficacy of multi-omics tools to strategically reveal new therapeutic approaches for TNBC, the most lethal form of breast cancer.

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