

The Department of Nutritional Sciences Fall 2024 Seminar Series

" Amino Acid and One-carbon Metabolism Homeostasis in Health and Disease "

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Host: Tracy Anthony, Ph.D.
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Wednesday, September 11, 2024 @ 2:15 PM
FSNS Building, 65 Dudley Road, New Brunswick, Room 120



Zoom option: <https://go.rutgers.edu/McBride-Seminar>

Our research aims to understand how nutrition and metabolism regulate serine, glycine and methionine amino acid homeostasis to ensure proper clearance and to provide the carbon material for redox defenses, nucleotide synthesis and epigenetic methylation. We do this using state-of-the-art analytical chemistry techniques, such as liquid chromatography-mass spectrometry (LC-MS) metabolomics and stable isotope tracing, in both cell and animal models of health and disease, with a specific focus on cancer.