



Dana-Farber
Cancer Institute

CCBM Training Program

April 26, 2023, 11AM to 12PM EST

Location: LC-4054

To reserve your spot please RSVP to milka_kostic@dfci.harvard.edu



Website: <https://danafarbercancerbiologytraining.org/>
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Metabolomics for metabolism researchers: methods and applications

Presented by Birgitta Ryback, PhD
Metabolomics Core Director, Dana-Farber Cancer
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A well-designed metabolomics experiment can elevate your research by fortifying or confirming the research question or by generating novel hypotheses. Mass spectrometers have become the *de facto* standard instrument for metabolomics and can be used to answer a range of questions in metabolism research. Recent years have seen a rapid increase in types of mass spectrometers and associated methods, making it challenging for a new user to enter the field and to select an appropriate approach for their research question. In this workshop, we will discuss general principles for executing successful metabolomics experiments, including metabolite profiling, compound identification, metabolic tracer analysis, absolute and relative quantification as well as choosing between targeted and untargeted designs. The goal is to provide research trainees with a roadmap to decide on appropriate metabolomics methods to apply to their projects.