

KENNER FAMILY
RESEARCH FUND

in collaboration with the
Cancer Biomarker Research Group
at the National Cancer Institute

Early Detection of Pancreatic Cancer: Opportunities and Challenges in Utilizing Electronic Health Records (eHR)

MONDAY, MARCH 29, 2021 · 1:00 - 5:00 PM (EDT)



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WORKSHOP TOPIC: Common Data Models for Multicenter
Research: Experience with OHDSI's OMOP

Michael H. Rosenthal, M.D., Ph.D., is a diagnostic radiology physician-scientist at the Dana-Farber Cancer Institute and Brigham and Women's Hospital, and an assistant professor of radiology at Harvard Medical School. Specializing in the imaging of gastrointestinal cancers with a focus on pancreatic cancers, he also leads a data science research group that seeks to extract novel imaging biomarkers from routine imaging studies that can enhance our understanding and management of cancer.

As part of his doctoral work at North Carolina at Chapel Hill, he developed methods for 3-D guidance of minimally invasive interventional radiology procedures. His current work uses AI to extract useful biomarkers from diagnostic imaging studies. His team has developed methods for automatically measuring body and fat mass from routine CT scans, which can serve as a marker for the metabolic changes of cancer. He is also developing methods to automatically identify and measure tumor volumes, to help understand tumor growth and release of associated circulating biomarkers.

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