



Digestive Diseases Research Seminar  
Presented by Yale School of Medicine,  
Department of Internal Medicine, and Section of Digestive Diseases

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# The road to precision: A framework for integrating medical big data in gastroenterology

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5:00 - 6:00 pm

<https://zoom.us/j/98048062505?pwd=Y3RqZWZzOGtnSEE2MFEzVhFcllwdz09>

Host: Loren Laine, MD

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**There is no corporate support for this activity.** **Accreditation:** The Yale School of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians. **Target Audience:** YSM faculty, fellows, nurses, residents, medical students, staff, and other health care providers. **Designation Statement:** The Yale School of Medicine designates this live activity for 1 AMA PRA Category 1 Credit(s)<sup>™</sup>. Physicians should only claim the credit commensurate with the extent of their participation in the activity. **Needs assessment:** The availability of biomedical big data has ushered in opportunities to develop personalized medicine tools that individualize diagnostic and therapeutic decision making. Unfortunately, most personalized medicine tools are limited to a single data source such as genetic or metabolomic data. In order to expand the application of personalized medicine tools to routine clinical practice, they will need to incorporate clinical data collected for healthcare. This seminar will discuss strategies to extract clinical useful information from administrative health data and a framework for integrating these data with data from other domains of biomedical science. **Objectives:** 1) Describe challenges in modeling disease trajectory; 2) Describe advantages and disadvantages of different types of administrative health data sources; 3) Demonstrate how set-enrichment can be applied to administrative health data; 4) Describe strategies for integrating data from disparate data sources. **Faculty Disclosures:** L Laine – None; R Vajravelu – None. It is the policy of Yale School of Medicine, Continuing Medical Education, to ensure balance, independence, objectivity and scientific rigor in all its educational programs. All faculty participating as speakers in these programs are required to disclose any relevant financial relationship(s) they (or spouse or partner) have with a commercial interest that benefits the individual in any financial amount that has occurred within the past 12 months; and the opportunity to affect the content of CME about the products or services of the commercial interests. The Center for Continuing Medical Education will ensure that any conflicts of interest are resolved before the educational activity occurs. **This course will fulfill the licensure requirement set forth by the State of Connecticut.**