

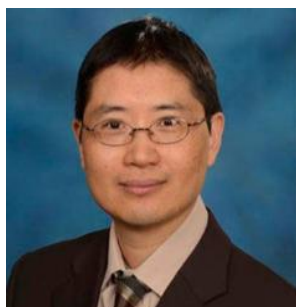


ICTR ENRICHMENT SERIES

Tuesday, June 2, 2026 - 12:00 pm – 1:00 pm

PLEASE REGISTER FOR THIS ZOOM WEBINAR

https://umaryland.zoom.us/webinar/register/WN_xBaMT2kOSyCARryMNqayHw



Title: *Using Omics in Biomedical Research*

Presented by:

Huichun Xu, MD, PhD

Associate Director, UMB ICTR Biostatistics Core
Associate Professor, Department of Medicine
University of Maryland School of Medicine

Presentation Summary

This presentation will provide an overview of major omics modalities used in biomedical research, including genomics, transcriptomics, proteomics, metabolomics, and epigenomics, highlighting the biological questions it can address, common experimental platforms, and key analytical workflows. The goal is to build a conceptual understanding of how omics approaches can be used in broad research projects, and to illustrate the types of analytical support available through the ICTR biostatistics core.



Title: *Data Asset Management in the Era of Collaborative Science*

Presented by:

Patrick McArdle, MD, PhD

Associate Director, ICTR Informatics Core
Associate Professor, Department of Medicine
Secondary Appointment: Epidemiology & Public Health
University of Maryland School of Medicine

Presentation Summary

This presentation outlines an architectural approach that allows researchers to reuse data across projects without rebuilding everything and how a transparent, governed process replaces messy, one-off exports to ensure quality and comparability. It explains, at a high level, how data are pulled from study systems, labs, and -omics pipelines, how raw data are preserved and transformed to create reliable, analysis-ready datasets, and how they are stored in a structured warehouse with consistent definitions to support quick, trusted analyses. This is an ICTR-supported service.

For more information, please contact:

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