

Department of Pathology and Laboratory Medicine

DR. ROBERT ZHONG SEMINAR

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Thursday, October 14, 2021

12:00 p.m. – 1:00 p.m.

Schulich Webinar

“Integrative analysis of GWAS, epigenetic and gene expression data to uncover gene regulatory mechanisms of autoimmune diseases”

Learning objectives:

1. Learn about our data integration model (called RegFM) that integrates multiple data types to uncover gene regulatory mechanisms of common complex diseases
2. Find out how RegFM can be used to uncover cell type-specific epigenetic events involved in gene regulation of nine autoimmune diseases
3. Discuss our ongoing research on improving the predications of epigenetic events in complex diseases through incorporating single-cell sequencing data into our model



Zoom Link: https://westernuniversity.zoom.us/webinar/register/WN_1lcxNE8sSkCO9p-HI6TsNg

“The Pathology and Laboratory Medicine Dr. Robert Zhong is a self-approved group learning activity (Section 1) as defined by the Maintenance of Certification Program of the Royal College of Physicians and Surgeons of Canada.”



Pathology and
Laboratory Medicine



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