UCDAVIS HEALTH | SCHOOL OF MEDICINE

Medical Microbiology & Immunology
MMI 291 Seminar Series
Emerging Challenges in Microbiology and Immunology

MMI 291 Seminar Series

Current Theme: Interdisciplinary Research
Winter Quarter 2020 – CRN 41538

Friday Seminar – 12:10-1 p.m.

Dec
11

"NORMAL AND PATHOGENIC REGULATORY CIRCUITS IN HUMAN LYMPHOID CELLS"

Eugene Oltz, PhD
Chair Department of Microbial Infection & Immunity
Samuel Saslaw Professor of Infectious Diseases
The Ohio State University Wexner Medical Center

Dec 11, 2020
12:10 – 1 p.m.
ZOOM Meeting

Research / Bio

Our research program focuses on the genetic and epigenetic mechanisms that regulate gene expression. Currently, our laboratory focuses on: (i) gene regulatory networks in human immune cell development, function, cancer immuno-therapeutics and aging, (ii) epigenome analysis to identify lymphoma-specific signatures, (iii) discovery of long-range control elements that direct changes in chromatin accessibility and three-dimensional locus conformation, and (iv) molecular crosstalk between *cis*-elements and epigenetic pathways that control antigen receptor gene assembly.

Publications

Distinct Gene Regulatory Pathways for Human Innate Versus Adaptive Lymphoid Cells. Cell, Koues OI, Et al. NCBI, 2016 May

Gene Regulatory Programs Conferring Phenotypic Identities to Human NK Cells. Collins PL, Et al. ScienceDirect, 2019 Jan

Subsets of ILC3−ILC1-like cells generate a diversity spectrum of innate lymphoid cells in human mucosal tissues. Cella M, Et al. Nature Immunol, 2019 June

Medical Microbiology & Immunology
School of Medicine

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We hope to see you there!