

VIDD Scientific Seminar Series



R. Lee Reinhardt, PhD

Assistant Professor,
Department of Biomedical
Research,
National Jewish Health

Assistant Professor,
Department of Immunology
and Microbiology,
University of Colorado School
of Medicine

The central role of BATF in anti-helminth immunity: From follicular T to ILC

This seminar investigates the role of the AP1 factor BATF in anti-helminth immunity. Our previous studies identified BATF as an essential transcription factor involved in helminth clearance. The absence of BATF prevented both humoral and cell-mediated hallmarks of type-2 immunity, and this was linked to an essential role for BATF in both CD4+ follicular T cells and T-helper 2 cells generation and function. Despite its well characterized role in adaptive immunity, a role for BATF in innate lymphoid cells (ILC) has not been described. Our current work reveals a specific and unique role for BATF in the function of IL-25-responsive ILC2 cells and identifies this migratory population of ILC2 cells as an important and early orchestrator of type-2 immunity.

Tuesday, May 7, 2019

3:00 - 4:00 pm

Pelton Auditorium

Contact: VIDDAdmin@fredhutch.org



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