Medical Microbiology and Immunology
MMI 291 Seminar Series
Emerging Challenges in Microbiology and Immunology
Current Theme: Interdisciplinary Research

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“B cells in infections: Still some tricks up their sleeves”

Friday, October 13, 2017
Genome and Biomedical Sciences Facility, Auditorium Room 1005
12:10 PM – 1:00 PM

Research work: The lab investigates the basic immunological mechanisms that regulate and control immunity to pathogens. They aim to reveal the signals that drive a protective B cell response and to determine how these responses might be derailed by certain pathogens. Two mouse models of infection are being studied: influenza and Borrelia burgdorferi, the Lyme Disease agent. They are interested also in understanding the development and the role and function of a small innate-like B cell subset, termed B-1 cells and the natural IgM this subset is producing.

Publication references:

Savage HP, Yenson VM, Sawhney SS, Mousseau BJ, Lund FE, Baumgarth N. 2017. Blimp-1 dependent and independent natural antibody production by B-1 and B-1 derived plasma cells. J. Experimental Medicine 4:214(9):2777-2794