

Nicole Baumgarth, DVM, PhD, is a Professor of Immunology at the Dept. of Pathology, Microbiology & Immunology and the Center for Comparative Medicine, University of California, Davis. Dr. Baumgarth's research encompasses studies on the regulation of immune responses to infections and B cell biology. Much of her work has focused on the regulation of B cell and B cell subset responses using mouse models to two very different pathogens and immune responses: Acute influenza virus infection, an infection that fully resolves and induces highly protective and long-lived B cell-mediated immunity, and B cell responses to *Borrelia burgdorferi*, a bacterial spirochete and the causative agent of Lyme disease. She is also interested in the regulation and function of natural IgM, a product of innate-like B-1 cells both as immune regulatory molecule and in immune defense.