

Table 2 - Participating Faculty Members				
(Alphabetically by Primary & Secondary Faculty Members)				
Name/Degrees	Rank	Primary (& Secondary) Appointment(s)	Role in Program	Research Interest
John T. Harty, PhD	Professor	Microbiology Pathology	Program Director	T cell responses to infection
Lee Ann Allen, PhD	Professor	Internal Medicine Microbiology	Mentor	Interactions of <i>Helicobacter pylori</i> with macrophages and neutrophils. Pathogenesis of <i>Francisella tularensis</i> .
Michael A. Apicella, MD	Professor	Microbiology	Mentor	Role of Innate Immunity in human infection by pathogenic Neisseria and Haemophilus
Vladimir Badovinac, PhD	Assistant Professor	Pathology	Associate Mentor	CD8 T cell responses to infection and vaccination
Zuhair K. Ballas, MD	Professor	Internal Medicine	Mentor	a) Basic: ontogeny and function of NK subsets, b) Applied: Tumor immunotherapy and c) Clinical: Primary immunodeficiency
Gail A. Bishop, PhD	Professor	Microbiology Internal Medicine	Mentor	Molecular mechanisms of B lymphocyte activation by normal and viral oncogenic receptors
Suzanne Cassel, MD	Assistant Professor	Internal Medicine	Associate Mentor	Innate immunity in Allergy and Immunology
John Colgan, PhD	Assistant Professor	Internal Medicine	Associate Mentor	Regulation of lymphocyte development and function
David E. Elliott, MD, PhD	Professor	Internal Medicine	Mentor	1) Mechanisms of immune regulation by the anti-inflammatory neuropeptide somatostatin. 2) Regulation of mucosal and systemic inflammation by helminthic parasites.
Polly Ferguson, MD	Professor	Pediatrics	Mentor	Genetic Aspects of Inflammatory Disorders
Alex Horswill, PhD	Associate Professor	Microbiology	Mentor	Innate sensing of Staphylococcal infections
Jon Houtman, PhD	Associate Professor	Microbiology	Associate Mentor	Mechanism of Signal Transduction in Human T Cells

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Stephen Hunter, MD, PhD	Professor	Ob/Gyn	Mentor	Diabetes in Pregnancy, Fetal Therapy, Vaccine Development, tissue engineering, preeclampsia, maternal phenylketonuria (PKU)
Siegfried Janz, MD	Professor	Pathology	Mentor	Mouse models of human B cell and plasma cell neoplasms
Joel N. Kline, MD	Professor	Internal Medicine	Mentor	Study of the modulation of airway inflammatory responses in asthma
Amy Lee, PhD	Associate Professor	Physiology	Mentor	Voltage-gated (Cav) Ca ²⁺ channels in cellular physiology
Kevin L. Legge, PhD	Associate Professor	Pathology, Microbiology	Associate Mentor	The role of respiratory dendritic cells (rDC) in initiating and regulating the T cell responses to pulmonary pathogens, in particular influenza virus
Jeffrey Meier, MD	Associate Professor	Internal Medicine	Mentor	Immune Response to Cytomegalovirus
Jessica Moreland, MD, PhD	Associate Professor	Pediatrics	Mentor	the role of the anion channel CIC-3 in neutrophil function, including the interaction between CIC-3 and the NADPH oxidase
Craig T. Morita, MD, PhD	Associate Professor	Internal Medicine	Mentor	Human $\gamma\delta$ T cell recognition of nonpeptide antigens and CD1
William M. Nauseef, MD	Professor	Internal Medicine Microbiology	Mentor	The molecular and cell biology of human neutrophil function
Chioma Okeyama, PhD	Assistant Professor	Microbiology	Associate Mentor	Intracellular defenses against retroviral infections
Paul B. Rothman, MD	Professor	Internal Medicine Microbiology	Mentor	Molecular mechanisms by which cytokines regulate lymphocyte development and function.
Stanley Perlman, MD, PhD	Professor	Microbiology	Mentor	Role of Immune Cells in virus induced demyelination

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Patrick Schlievert, Ph.D.	Professor and Head	Microbiology	Mentor	Molecular Pathogenesis, Drug Discovery, and Immunology; Staphylococcus aureus, Streptococci and Enterococci
Annette Schlueter, MD, PhD	Professor	Pathology	Mentor	dendritic cell (DC) function in aging and disease states including alcoholism and graft-versus-host disease.
Fayyaz S. Sutterwala, MD, PhD	Assistant Professor	Internal Medicine	Associate Mentor	Biology of the NOD-like receptor family in infection and inflammation.
Aliye Uc, MD	Associate Professor	Pediatrics	Associate Mentor	Regulatory and protective roles of heme oxygenase-1 (HO-1) against gut inflammation and oxidative stress
Steven M. Varga, PhD	Associate Professor	Microbiology Pathology	Associate Mentor	Viral immunology and immunopathology
George J. Weiner, MD	Professor	Internal Medicine & Cancer Center	Mentor	Novel approaches to cancer immunotherapy including the evaluation of monoclonal antibody therapy, and new strategies for tumor immunization
Jerrold P. Weiss, PhD	Professor	Internal Medicine Microbiology	Mentor	Neutrophils in host defense
Mary E. Wilson, MD	Professor	Internal Medicine Microbiology	Mentor	Immunobiology of infection with the protozoan parasite, <i>Leishmania chagasi</i>
Hai-Hui Xue, MD, PhD	Assistant Professor	Microbiology	Associate Mentor	Transcriptional control of hematopoietic stem cell self-renewal and its differentiation to antigen-responding T cells
Nicholas Zavazava, MD, PhD	Professor	Internal Medicine	Mentor	Mechanisms and molecular basis of transplantation tolerance; use of embryonic stem cells as tolerogens.