

<b>Table 2 - Participating Faculty Members</b>				
<b>Name/Degree(s)</b>	<b>Rank</b>	<b>Department</b>	<b>Role in Program</b>	<b>Research Interest</b>
Zuhair Ballas, MD	Professor	Internal Medicine	Mentor	Role of NK cells in autoimmune hematological disease.
Gail Bishop, PhD	Professor	Microbiology	Co-Director and Mentor	Molecular mechanisms of lymphocyte activation in normal immunity, autoimmunity, and lymphoma.
Anil Chauhan, PhD	Assistant Professor	Internal Medicine	Mentor	The role of adhesion molecules in vascular diseases associated with thrombosis and inflammation.
John Colgan, PhD	Assistant Professor	Internal Medicine	Mentor	Regulation of immune responses and lymphocyte development and function.
Beverly Davidson, PhD	Professor	Internal Medicine	Mentor	Gene transfer and siRNA technology.
Adam Dupuy, PhD	Associate Professor	Anatomy & Cell Biology	Mentor	Genetic mechanisms of leukemogenesis.
John Engelhardt, PhD	Professor	Anatomy & Cell Biology	Mentor	Gene therapies for inherited and environmentally induced diseases such as ischemia/reperfusion injury and sepsis.
Frank Faraci, PhD	Professor	Internal Medicine	Mentor	Vascular biology, particularly the regulation of cerebral circulation.
Isabella Grumbach, MD	Assistant Professor	Internal Medicine	Mentor	Function of the multifunctional calcium/calmodulin-dependent kinase (CaMKII) in vascular pathology.
Paloma Giangrande, PhD	Assistant Professor	Internal Medicine	Mentor	RNA-based therapies for lymphoma and vascular disease.

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William Haynes, MD	Professor	Internal Medicine	Mentor	Mechanisms and consequences of vascular dysfunction due to obesity, diabetes, hypertension, homocysteine and cigarette smoking.
Raymond Hohl, MD, PhD	Professor	Internal Medicine	Mentor	Role of isoprene compounds in cell proliferation and differentiation.
Sarah Holstein, MD, PhD	Assistant Professor	Internal Medicine	Mentor	Understanding the role of key cellular pathways in myeloma, and the development of novel anti-myeloma agents.
Siegfried Janz, MD	Professor	Pathology	Mentor	Mouse models of human B cell and plasma cell neoplasms .
Steven Lentz, MD, PhD	Professor	Internal Medicine	Program Director and Mentor	Vascular cell biology and mechanisms of regulation of hemostasis and thrombosis by vascular cells.
Brian Link, MD	Professor	Internal Medicine	Associate Director and Mentor	Immunotherapy of lymphoid malignancies.
Paul McCray, MD	Professor	Pediatrics	Mentor	Gene transfer for the treatment of inherited diseases, including hemophilia A.
Francis Miller, MD	Associate Professor	Internal Medicine	Mentor	Role of reactive oxygen species in vascular disease.
David Motto, MD, PhD	Assistant Professor	Internal Medicine and Pediatrics	Associate Director and Mentor	Biochemistry, physiology, and genetics of blood clotting diseases.

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Andrew Norris, MD, PhD	Associate Professor	Pediatrics	Mentor	Basic and translational research regarding the integrative physiology of diabetes across the lifespan.
Sue O'Dorisio, MD, PhD	Professor	Pediatrics	Executive Committee Member and Mentor	Role of G protein coupled receptors and epigenetic regulation of gene expression.
Dawn Quelle, PhD	Associate Professor	Pharmacology	Mentor	Molecular and cellular biology of tumor suppressor genes and cell cycle control in lymphomagenesis.
Curt Sigmund, PhD	Professor	Pharmacology	Mentor	Regulation of genes involved in cardiovascular homeostasis using both cell culture and transgenic model systems.
Peter Snyder, MD	Professor	Internal Medicine	Mentor	Regulation of epithelial sodium transport and dysfunction in hypertension.
Mark Stamnes, PhD	Associate Professor	Molecular Physiology and Biophysics	Mentor	Signaling events at the Golgi apparatus that regulate vesicular transport and cytoskeletal dynamics.
Kai Tan, PhD	Assistant Professor	Internal Medicine	Mentor	Understanding gene regulatory networks in normal and disease development.
Guido Tricot, MD, PhD	Professor	Internal Medicine	Mentor	Study of NEK2, a chromosomal instability gene related to poor outcome in myeloma and many other tumors.
George Weiner, MD	Professor	Internal Medicine	Executive Committee Member and Mentor	Translational research related to the immunotherapy of lymphoma and leukemia.

Principal Investigator/Program Director (Last, first, middle): LENTZ, STEVEN, R.

Lentz, Steven

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Michael Welsh, MD	Professor	Internal Medicine	Mentor	Biology of ion channels, gene therapy, and the innate immune system.
Hai-Hui (Howard) Xue, MD, PhD	Assistant Professor	Microbiology	Mentor	Transcriptional control of lymphocyte development and function.
Nicholas Zavazava, MD, PhD	Associate Professor	Internal Medicine	Mentor	Induction of transplantation tolerance using embryonic stem cell-derived hematopoietic progenitor cells.
Fenghuang (Frank) Zhan, PhD	Professor	Internal Medicine	Mentor	Development of novel therapies to overcome drug resistance in myeloma.