

HLB SUMMER RESEARCH PROGRAM MENTORS

Name/ Degree	Rank	Primary (& Secondary) Appointment(s)	Research Interest
Blanton, R., M.D. ronald.blanton@case.edu	Prof.	General Medical Sciences (Epid & Biostat)	Genetics and molecular biology of <i>Schistosoma mansoni</i>
Boom, W. H., M.D. whb@case.edu	Prof.	Medicine (Molecular Biology and Microbiology) (Pathology)	Immunology of <i>M. tuberculosis</i> ; TB epidemiology and clinical trials in Uganda, S. Africa, Philippines and Brazil
Dick, T., Ph.D. ted3@case.edu	Prof.	Medicine (Neurosciences)	Control of Respiration and Sympathetic Activity
Drumm, M., Ph.D. mxd34@case.edu	Prof.	Pediatrics (Genetics)	Cystic Fibrosis; Site-Directed Mutagenesis; Structure- Function of Ion Channels
Dubyak, G., Ph.D. george.dubyak@case.edu	Prof.	Physiology and Biophysics (Pathology) (Pharmacology)	Molecular mechanisms of interleukin-1 secretion in inflammation and innate immunity; Molecular mechanisms of ATP secretion and extracellular metabolism in inflammation and tissue damage
Erzurum, S., M.D. erzurus@ccf.org	Prof.	Medicine (General Medical Sciences)	Severe asthma, nitric oxide (NO) and NO synthases, hypoxia inducible factor and signal transduction, gender discordance in asthma
Garvin, J., Ph.D. jeffrey.garvin@case.edu	Prof.	Physiology and Biophysics	Regulation of nephron transport, salt-sensitive hypertension and cross-talk between tubules and vessels
Gaston, B., M.D. bmg46@case.edu	Prof.	Pediatrics	Pediatric asthma, CF and apnea; post-translational protein modifications

HLB SUMMER RESEARCH PROGRAM MENTORS

Name/ Degree	Rank	Primary (& Secondary) Appointment(s)	Research Interest
Gerson, S., M.D. slg5@case.edu	Prof.	Medicine (General Medical Sciences) (Environmental Health Sciences)	Drug resistance gene transfer; stem cell gene transfer; DNA repair and leukemogenesis
Huang, A., M.D., Ph.D. alex.y.huang@case.edu	Assoc. Prof.	Pediatrics (General Medical Sciences) (Pathology)	Anti-tumor immune responses, immune – host – pathogen interaction, T cell-mediated memory immunity, and chemokine - receptor biology
Jain, M., M.D. mukesh.jain2@case.edu	Prof.	Medicine (General Medical Sciences) (Physiology and Biophysics)	Cardiovascular research including novel areas of investigation with therapeutic implications for disease conditions such as arteriosclerosis, heart failure, metabolism and regenerative medicine.
Janigro, D., Ph.D. janigrd@ccf.org	Prof.	Molecular Medicine (General Medical Sciences)	Blood-brain barrier, particularly regulation of the neurovascular unit function; cerebral blood flow
Katz, D., Ph.D. dmk4@case.edu	Prof.	Neurosciences (Psychiatry)	Neurotrophic factors in developmental cardiopulmonary and autonomic disorders
Kelley, T., Ph.D. Thomas.kelley@case.edu	Assoc. Prof.	Pediatrics (Pharmacology)	Cell signaling and cholesterol processing
Kirwan, J., Ph.D. kirwanj@ccf.org	Prof.	Molecular Medicine (Nutrition) (Physiology and Biophysics)	Insulin resistance in NAFLD, hepatic glucose production, exercise and diet in chronic diseases
Ladd, A., Ph.D.	Asst. Prof.	Molecular Medicine	Pre-mRNA alternative splicing regulation in heart and muscle development

HLB SUMMER RESEARCH PROGRAM MENTORS

Name/ Degree	Rank	Primary (& Secondary) Appointment(s)	Research Interest
ladda@ccf.org			
Lazarus, H., M.D. hillard.lazarus@uhhospitals.org	Prof.	Medicine (General Medical Sciences)	Treatment of leukemia, lymphoma, and multiple myeloma; MSC transplantation, autologous stem cell transplantation for lymphoma; allogeneic stem cell transplantation for malignancies
Martin, R., M.D. richard.martin1@case.edu	Prof.	Pediatrics (General Medical Sciences) (Physiology and Biophysics) (Reproductive Biology)	Development of respiratory control, pulmonary injury, nitric oxide
Matsuyama, S., Ph.D. shigemi.matsuyama@case.edu	Assoc. Prof.	Medicine (General Medical Sciences) (Pathology) (Pharmacology)	Cell death regulation, development of cytoprotective cell-penetrating penta-peptides
McCrae, K., M.D. mccraek@ccf.org	Prof.	Molecular Medicine (General Medical Sciences) (Pathology)	Tumor angiogenesis and antiphospholipid antibody-endothelial cell interaction in inflammatory breast cancer
Medof, M. E., M.D., Ph.D. M.Medof@Case.edu	Prof.	Pathology (General Medical Sciences) (Medicine) (Ophthalmology and Visual Sciences)	T Cell Immunology, Autoimmunity, and T Regulatory Function; Cancer Immunogens; Growth Factors and Apoptosis; the Connection Between Complement and Neurobiology
Moiseenkova-Bell, V., Ph.D.	Asst. Prof.	Pharmacology (General Medical Sciences)	Molecular mechanisms and structural basis of pain sensation

HLB SUMMER RESEARCH PROGRAM MENTORS

Name/ Degree	Rank	Primary (& Secondary) Appointment(s)	Research Interest
vera.moiseenkova-bell@case.edu		(Physiology and Biophysics)	
Nieman, M., Ph.D. nieman@case.edu	Asst. Prof.	Pharmacology	Role of the interaction between protease activated receptors 1 and 4 (PAR1 and PAR4) in the activation of platelets by alpha-thrombin and the subsequent signaling of G-proteins by second messenger signaling molecules
Proweller, A., M.D., Ph.D. aaron.proweller@case.edu	Asst. Prof.	Medicine	Intersections between signaling pathways and transcriptional programs that in part govern the phenotypic plasticity of vascular smooth muscle cells
Ramirez-Bergeron, D., Ph.D. dlr36@case.edu	Asst. Prof.	Medicine (General Medical Sciences) (Genetics) (Pathology)	Effects of oxygen tension in the development of the cardiovascular system
Stamler, J., M.D. jss156@case.edu	Prof.	Medicine (Biochemistry)	Redox-based cellular regulation and signal transduction, and in particular the role of protein S-nitrosylation
Stelzer, J., Ph.D. julian.stelzer@case.edu	Asst. Prof.	Physiology and Biophysics	Functional roles of cardiac myosin binding protein-C (cMyBP-C) phosphorylation on cardiac muscle
Strohl, K., M.D. kingman.strohl@case.edu	Prof.	Medicine (General Medical Sciences) (Physiology and Biophysics)	Genetics of respiratory control, obesity and pulmonary function, and interventions for sleep education
Toossi, Z., M.D. zxt2@case.edu	Prof.	Medicine (Pathology)	Basis for the dysregulation of the immune response during human tuberculosis; study of the impact of tuberculosis on HIV disease
van den Akker, F., Ph.D.	Assoc. Prof.	Biochemistry	Structural biology of guanylyl cyclase and beta-lactamase

HLB SUMMER RESEARCH PROGRAM MENTORS

Name/ Degree	Rank	Primary (& Secondary) Appointment(s)	Research Interest
focco.vandenakker@case.edu			enzymes
van Wagoner, D., Ph.D. vanwagd@ccf.org	Assoc. Prof.	Molecular Medicine	Cardiac electrophysiology, atrial fibrillation, arrhythmia mechanisms
Watanabe, M., Ph.D. mxw13@case.edu	Prof.	Pediatrics (Anatomy) (Genetics)	Cardiac development, particularly the role of cardiomyocyte apoptosis
Wright, J., M.D., Ph.D. jackson.wright@uhhospitals.org	Prof.	Medicine (General Medical Sciences)	Anti-hypertensive agents in predominantly minority populations, sleep and hypertension
Zhou, L., M.D., Ph.D. Lan.Zhou@Case.edu	Asst. Prof.	Pathology (General Medical Sciences)	Fucosylation affects on Notch-dependent regulation of hematopoietic stem cell proliferation, early myeloid lineage specification and committed neutrophil proliferation and differentiation

Contact Monica Montano (mxm126@case.edu) if your research interest and/or mentor are not among those listed