

Matt Alexander, MD, PhD **Assistant Professor Division of Clinical Pharmacology**

Previous Institution: University of Virginia School of Medicine

Previous Role/Title: Medical Scientist (MD/PhD) Trainee

Previous Role/Title: Instructor in Medicine

Specialty: Cardiovascular Medicine/Hypertension

Education/Training: M.D. - Vniversity of Virginia School of Medicine

Hometown: Kernersville, NC

Interests/Achievements: Dr. Alexander is an Assistant Professor of Medicine in the Division of Clinical Pharmacology. He completed undergraduate studies at Duke University and received his MD and PhD in the Medical Scientist Training Program at the University of Virginia School of Medicine, Matt subsequently joined the Physician Scientist Training Program (Harrison Society) at VUMC through which he completed internal medicine residency and cardiovascular medicine fellowship. During his fellowship, he conducted postdoctoral research with Meena Madhur on the role of adaptive immune cells in the pathogenesis of hypertension. He developed expertise in animal models of hypertension, use of human genetics to interrogate candidate molecular mediators of disease, and single cell approaches to identify novel immune cell subsets in human hypertension. In combination with his collaborators and mentors, Dr. Alexander has developed a research program focused on identifying and understanding the roles of regulatory T cell subsets in hypertension, with the goal of therapeutically manipulating these cells as novel therapies. He will see patients as a general

cardiologist with a particular focus on advanced hypertension.

Previous Institution: Vanderbilt University Medical Center

Specialty: Internal Medicine/Nephrology

Ph.D. - UNAM, México

Hometown: Nashville, TN

Interests/Achievements: Dr. Arrovo's research focuses on how the kidney regulates fluids and electrolytes. His PhD and postdoctoral work focused on the

regulation of the thiazide-sensitive salt cotransporter in the distal nephron. This has led him to study other pathways that regulate renal and cardiovascular function. He is now particularly interested in the hormone vasopressin and the role that vasopressin plays in health and disease. He completed his internal medicine and nephrology training at Vanderbilt where he also served as chief

medicine resident from 2018 to 2019.

Education/Training: M.D. - Universidad La Salle

Juan Arroyo Ornelas, MD, PhD Instructor

Division of Nephrology and **Hypertension**

Previous Institution: Cleveland Clinic Lerner College of Medicine at Case

Western Reserve University

Specialty: Internal Medicine Interventional Pulmonology

Education/Training: M.B.B.S. - Kamineni Institute of Medical Sciences

Hometown: Columbia, PA

Interests/Achievements: Dr. Sameer Avasarala is an Instructor in Medicine in the Division of Allergy, Pulmonary, and Critical Care Medicine and is also a

fellow in the interventional pulmonology training program under the direction of Dr. Otis Rickman. During his training as a fellow at Cleveland Clinic in Cleveland, Ohio (an affiliate of Case Western University) in pulmonary and critical care medicine, Dr. Avasarala gained exposure to the management of patients with pulmonary hypertension, advanced lung disease (pre and post-transplant), and patients supported by extracorporeal life support. Through his pulmonary and critical care fellowship, he has performed over 300 bronchoscopies, including over 100 transbronchial biopsies and over 100 endobronchial ultrasound needle aspirations, Dr.

Previous Role/Title: Postdoctoral Fellow in Pulmonary and Critical Care

Medicine

Previous Role/Title: Research Associate

Avasarala's research centers around peripheral bronchoscopy and the management of major airway diseases. He also has an interest in patient safety and workflow design within interventional pulmonology. Dr. Sameer Avasarala received his medical degree in 2011 from Kamineni Institute of Medical Sciences in the State of Telangana, India, This private medical school is highly ranked and is located about 50 miles from Hyderabad, India. He subsequently began a residency in internal medicine at Henry Ford Hospital (Wayne State University) in Detroit after obtaining his MBBS; he became chief resident in July of 2016 prior to entering his fellowship

program at Cleveland Clinic. Dr. Avasarala is actively involved in education within pulmonary and critical care medicine. He is a member of the pleural disease subcommittee for the American Association for Bronchology and Interventional Pulmonology 2020

conference.

Previous Institution: Rockefeller University

Specialty: Immunogenetics

Education/Training: Ph.D. - Complutense University of Madrid

Hometown: Pamplona, Navarra, Spain

Interests/Achievements: Ruben Martinez-Barricarte's work lies at the crossroads of human genetics, biochemistry, immunology, and infectious diseases. For

the past decade, he has worked on the genetic study of monogenic human immune diseases. His graduate studies involved the genetic dissection of two very severe kidney diseases: atypical hemolytic uremic syndrome (aHUS) and dense deposit disease (DDD). By discovering and functionally characterizing mutations in the C3 gene in patients suffering from aHUS and DDD, he established how dysregulations in the complement system cause these two disorders, thus providing useful information for their treatment. His postdoctoral studies focused on the genetic dissection of Mendelian susceptibility to mycobacterial disease (MSMD). Patients suffering from this condition develop severe disease when exposed to weakly virulent mycobacteria such as environmental mycobacteria. By next-generation sequencing MSMD patients, and in collaboration with other colleagues, he discovered human SPPL2a, IL-12RB2, and IL-23R complete deficiencies. The in-depth molecular and immunological characterization of these new genetic diseases provided fundamental knowledge of how the immune system fights mycobacteria. In addition, he has also

discovered and functionally characterized disease-causing mutations in other diseases such as CFHR5 nephropathy, chronic granulomatous disease, and combined immunodeficiency. Using his skills in the genetic and immunological dissection of monogenic inborn errors of immunity, his lab investigates nocardiosis and blastomycosis. Though exposure to Nocardia spp. and Blastomyces dermatitidis is common, only a small fraction of individuals develop severe disease. Therefore, his research program focuses on

understanding the genetic and immunological factors that account for this interindividual variability.

Sameer Avasarala, MBBS

Instructor

Division of Allergy, Pulmonary, and

Critical Care Medicine

Ruben Barricarte, PhD

Assistant Professor

Division of Genetic Medicine

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Previous Institution: Vanderbilt University Medical Center Previous Role/Title: Clinical Fellow

Specialty: Gastroenterology

Education/Training: M.D. - State University of New York

Hometown: Syracuse, NY

Interests/Achievements: Dr. Basil completed medical school at the State University of New York at Buffalo at which time he was awarded the Merck

Academic Achievement Award, which is awarded to a medical student at graduation who displays outstanding academics coupled with noteworthy humanism and leadership. From there, Dr. Basil moved to Boston to complete internal medicine internship and residency at Boston University Medical Center prior to moving to Nashville to complete a clinical gastroenterology fellowship at Vanderbilt University. Initially finding his passion for gastroenterology as an internal medicine resident, Dr. Basil has long had an interest in general gastroenterology and hepatology. Additionally, Dr. Basil has a long-held interest in medical student and postgraduate education. His research interests range from the study of stigma associated with inflammatory bowel disease, the potential use of social media in medicine, and most recently, the potential use of mucosal integrity testing (MIT) for evaluating inflammatory

Previous Role/Title: Resident in Medicine, MGH; Research Fellow

bowel disease.

Division of Gastroenterology, Hepatology, and Nutrition

Miles Basil. MD

Assistant Professor

Assistant Professor

Previous Institution: Harvard Medical School

Specialty: Internal Medicine

Education/Training: M.D. - Harvard Medical School

Harvard Medical School

Ph.D. - Harvard Graduate School of Arts and

Sciences.

Hometown: New York, NY

Interests/Achievements: Dr. Bick is a physician-scientist working in the field of human genomics. His scientific observations have advanced our

understanding of the genetic basis for cardiovascular disease, characterized molecular disease mechanisms, and identified both the promise and limitations of translating genomic findings into routine medical practice. He has a particular interest in understanding how the interplay between inherited germline genetic factors and acquired somatic mutations contributes to disease. His approach has been highly collaborative and multidisciplinary – combining human genomics and statistical genetics with in vitro and in vivo

Alexander Bick, MD, PhD characterization of model systems and human samples.

Dr Bick's current scientific focus is on clonal hematopoiesis, a unifying feature of aging diseases as diverse as cardiovascular disease and cancer. He has recently demonstrated that clonal hematopoiesis is virtually absent in adults under 40 but found in >10% **Division of Genetic Medicine** of adults over 70 and confers a 10-fold increased risk of blood cancers, 2-fold increased risk of heart attack, and 1.5-fold increased

treatments targeting clonal hematopoiesis.

In parallel with his research, Dr. Bick completed a clinical residency in internal medicine at Massachusetts General Hospital with a specialization in genomic medicine. He looks forward to seeing patients in the Vanderbilt Genomics and Therapeutics Clinic and

risk of death. Dr. Bick is focused on identifying the causes and consequences of clonal hematopoiesis with a goal of developing new

aims to translate what is learned from his research studies back to the care of his patients.

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Previous Institution: Vanderbilt University Medical Center Previous Role/Title: Clinical Fellow Specialty: Endocrinology Education/Training: M.D. - University of Cincinnati College of Medicine Ph.D. - Cincinnati Children's Research Foundation Hometown: Fort Thomas, KY Interests/Achievements: Jeeyeon was born in Seoul, South Korea and spent her early years in Chicago, Illinois and Morgantown, West Virginia. She was accepted to the University of Cincinnati's BS/MD Dual Admissions Program in biomedical engineering and medicine. As an undergraduate, she was fortunate to work as a lab tech in the renowned joint lab of Chris Wylie and Janet Heasman at Cincinnati Children's studying Xenopus embryogenesis, resulting in a first-authored publication. They were instrumental in nurturing a love for basic science to understand clinical disease, so she pursued joint MSTP training at UC and Cincinnati Children's Hospital. Her Jeeveon Cha. MD. PhD interest in reproductive endocrinology led to productive doctoral training with esteemed reproductive biologist Sudhansu K. (S.K.) Dey studying early pregnancy defects resulting in a spectrum of abnormal pregnancy outcomes. She then joined Vanderbilt's ABIM Instructor Physician-Scientist Training Program and completed clinical training in internal medicine and adult endocrinology. During clinical training, she developed a keen interest in diabetes and is now pursuing postdoctoral work with Roland Stein, an internationally Division of Diabetes. recognized authority in pancreatic islet transcriptional programming. When she is not working, she enjoys spending time with her Endocrinology, and Metabolism husband and daughter and experiencing the growing Nashville food scene. Previous Institution: Vanderbilt University Medical Center Previous Role/Title: Resident Specialty: Hospital Medicine Education/Training: M.D. - Boston University School of Medicine, Hometown: Washington D.C. Interests/Achievements: Christopher Coe received his BA from Middlebury College in Vermont. There, he studied Arabic, molecular biology, and biochemistry. After graduation he moved to Boston to study medicine at Boston University. He met his fiancée in medical school, and they moved together to Vanderbilt for residency. Christopher completed his internal medicine training at Vanderbilt in 2020 and was thrilled to stay on as a hospitalist. He has a special interest in GI diseases but enjoys practicing general medicine. His fiancée is an OB/GYN interested in maternal-fetal medicine. When not at work, Christopher enjoys reading, playing the piano, and traveling. Christopher Coe, MD **Assistant Professor of Clinical** Medicine **Division of General Internal** Medicine and Public Health

	Previous Institution:	: Vanderbilt University Medical Center Previous Role/Title: Cardiovascular Medicine Fellow		
Specialty:		Cardiovascular Medicine		
	Education/Training:	M.D Universidad Central de Venezuela		
	Hometown:	: Caracas, Venezuela		
	Interests/Achievements:	Dr. Davogustto is a general cardiologist with a special interest in genetic and metabolic determinants of arrhythmias and cardiomyopathies. He completed his medical school training at the Universidad Central de Venezuela, graduating magna cum laude. He then pursued internal medicine training at the McGovern Medical School of the University of Texas Health Science Center at Houston and cardiovascular medicine fellowship at Vanderbilt University Medical Center in Nashville, Tennessee.		
Giovanni Davogustto, MD Instructor		During his training in internal medicine he received the "outstanding intern of the year" and "outstanding resident in ambulatory medicine" awards. He was also inducted into the Gold Humanism Honor Society and Alpha Omega Alpha Honor Medical Society. In fellowship, he was awarded the Cardiovascular Medicine Rhode's Award for scholarly activity and was selected to be a chief fellow.		
Division of Cardiovascular Medicine		He is thrilled to stay at Vanderbilt to start his career as faculty, where he will be involved in clinical education and research in arrhythmia mechanisms.		
	Previous Institution:	: University of South Carolina School of Medicine Previous Role/Title: Assistant Professor		
	Specialty:	: Cardiology		
	Education/Training:	: M.D Vanderbilt University : Greenville, SC		
	Hometown:			
Jeffrey Dendy, MD Assistant Professor Division of Cardiovascular Medicine	Interests/Achievements:	Dr. Dendy is a native of Greenville, South Carolina, and completed all of his training at Vanderbilt University School of Medicine to include internship and residency in internal medicine and a fellowship in cardiovascular medicine (2003-2007), also serving as chief cardiovascular medicine fellow and cardiovascular magnetic resonance imaging fellow. He served as Medical Director of Cardiovascular Imaging at Greenville Health Systems (2011-2018), Medical Director of Cardiovascular Therapeutics Undergraduate Training at Clemson University and Greenville Health Systems (2013-2018), and Co-Medical Director of the Cardio-Oncology Patient Care Program at Greenville Health Systems (2014-2020). He was responsible for attaining and maintaining accreditation of the echocardiography clinical laboratories, and he also standardized imaging protocols and acquisition across the system. In addition, Dr. Dendy introduced three-dimensional transthoracic echocardiography and strain imaging to the outpatient echocardiography laboratories at the University of South Carolina School of Medicine- Greenville. He was involved with research in cardiovascular magnetic resonance imaging during his time at Vanderbilt. He developed techniques for small animal cardiovascular magnetic resonance imaging, and he explored the biophysical basis behind Blood Oxygenation Level Dependent (BOLD) imaging in the myocardium. He was also involved in work examining subendocardial perfusion abnormalities in patients with nonischemic cardiomyopathy.		

		Prisma Health/University of South Carolina School of Medicine Internal Medicine	Previous Role/Title: Internal Medicine Residency Program Director; Assistant Professor of Medicine		
	Education/Training:	M.D University of Tennessee College of Medicine			
	Hometown:	Nashville, TN			
Nanette Dendy, MD Assistant Professor of Clinical Medicine Division of General Internal	Interests/Achievements:	Dr. Nanette Dendy is Nashville native, a graduate of the University of Tennessee College of Medicine in Memphis and a 2004 graduate of the Internal Medicine Residency program at Vanderbilt University Medical Center. She practiced with the Hillsboro Medical Group at Vanderbilt from 2004-2010. She moved with her family to Greenville, South Carolina, and in the years between 2010-2020 has continued the practice of primary care internal medicine with a focus on teaching. She has served as the Internal Medicine Clerkship Director and as the Internal Medicine Residency Program Director for the Prisma Health/University of South Carolina School of Medicine, Greenville. Dr. Dendy has been voted the Most Outstanding Faculty Member, the Most Outstanding Outpatient Faculty Member, and has been awarded the Pryor Society Beacon Award at the University of South Carolina. Her interests include preventive medicine, diabetes, and women's health. She is a member of the Alpha Omega Alpha Honor Medical Society, a Fellow in the American College of Physicians, and is certified by the American Board of Internal Medicine. Dr. Dendy is very excited to return with her family to her hometown of Nashville, to her roots at VUMC, and to the Hillsboro Medical Group at			
Medicine and Public Health		Vanderbilt.			
	Previous Institution:	Vanderbilt University Medical Center	Previous Role/Title: Fellow, Division of Gastroenterology, Hepatology and Nutrition		
	Specialty:	Gastroenterology			
	Education/Training:	g: M.D Vanderbilt University School of Medicine			
		Ph.D Vanderbilt University			
	Hometown:	Antigo, WI			
Courtie Cabriel MD DbD	Interests/Achievements:	s: Curtis completed his MD and PhD as part of the Vanderbilt University Medical Scientist Training Program. During graduate school, he worked with Amy S. Major to study the pathogenesis of fatty liver disease and diabetes in a mouse model of systemic lupus erythematosus. After medical school, he stayed at Vanderbilt for his internal medicine residency and gastroenterology fellowship in the Harrison Society. His current research focuses on the mechanisms that give rise to fatty liver disease and cirrhosis in people living with HIV.			
Curtis Gabriel, MD, PhD					
Instructor					
Division of Gastroenterology, Hepatology, and Nutrition					

Previous Institution: University of Cincinnati Previous Role/Title: Postdoctoral Fellow

Specialty: Idiopathic Pulmonary Fibrosis

Education/Training: Ph.D. - State University of New York (SUNY)

Hometown: Lisbon, New York

Interests/Achievements: Dr. Jason J. Gokey is an Instructor in Medicine on the research track at Vanderbilt University Medical Center, joining the faculty after

completing his fellowship training. Dr. Gokey earned his baccalaureate degree in biology and chemistry at State University of New York (SUNY), Potsdam, New York in 2009. He then entered a PhD program in cellular and developmental biology at that same institution, completing his degree in 2015. From 2015 to June 2020, Dr. Gokey was enrolled in a postdoctoral fellowship training program in pulmonary biology at the Cincinnati Children's Medical Center (University of Cincinnati), in Cincinnati, Ohio, under the mentorship of Dr. Jeffrey Whitsett. Dr. Gokey's research has focused strongly on the abnormal epithelial cell signaling associated with the progression of idiopathic pulmonary fibrosis (IPF), a disease associated with abnormal epithelial cell differentiation, failure to repair after injury, and poor prognosis. It is Dr. Gokey's continuing endeavor to unravel the underlying mechanisms of this disease.

Previous Role/Title: Resident Physician

He has shown a consistent and passionate interest in IPF throughout his recent academic career and is dedicated to furthering original research in this area going forward. Dr. Gokey is affiliated with the laboratory of Dr. Jonathan Kropski at VUMC.

Division of Allergy, Pulmonary, and

Jason Gokey, PhD

Research Instructor

Critical Care Medicine

Previous Institution: Virginia Tech Carilion Clinic

Specialty: Family Medicine

Education/Training: M.D. - Ross University School of Medicine

Hometown: North Port, FL

Interests/Achievements: Dr. Grinchuk's interests include primary care, women's health, adolescent medicine, and mental health.

Zhanna Grinchuk, MD

Instructor in Clinical Medicine

Division of General Internal Medicine and Public Health

Previous Institution: University of Kentucky Previous Role/Title: Resident-Internal Medicine Specialty: Hospital Medicine Education/Training: M.D. - University of Louisville School of Medicine Hometown: Livermore, KY Interests/Achievements: Dr. Heflin joined the Vanderbilt faculty in the Division of General Internal Medicine and Public Health as an Assistant Professor of Clinical Medicine in July 2020. After growing up in rural Western Kentucky, he completed his undergraduate training at the University of Kentucky receiving a BSc in biology and psychology. He went on to complete medical school at the University of Louisville and then returned to the University of Kentucky for his internal medicine residency. His primary interests include medical student education, point of care ultrasound, and clinical decision making. When away from work, he enjoys traveling to new US National McKinlev Heflin, MD Parks, watching and playing sports, and playing strategic board games. **Assistant Professor of Clinical** Medicine **Division of General Internal** Medicine and Public Health Previous Institution: Vanderbilt University Medical Center Previous Role/Title: Resident Specialty: Hospital Medicine Education/Training: M.D. - Vanderbilt University School of Medicine Hometown: Atlanta, GA Interests/Achievements: Michelle was born in Los Angeles, California, but she grew up in Atlanta, Georgia, where her family moved when she was three. She attended Emory University for her undergraduate studies where she received a double major in biology and chemistry. She went on to study medicine at the Vanderbilt University School of Medicine. She completed residency in internal medicine at Vanderbilt University Medical Center. In addition to medicine, she is deeply devoted to creative writing and wrote her first novel when she was eleven. She won first place in the national 2016 Gold-Hope Tang Humanism in Medicine essay contest, and her medical creative Michelle Izmaylov, MD writing has been published in journals including Annals of Internal Medicine, Journal of the American Geriatrics Society, Journal of General Internal Medicine, Academic Medicine, and Intima: A Journal of Narrative Medicine. **Assistant Professor of Clinical** Medicine **Division of General Internal** Medicine and Public Health

Previous Institution: Aarhus University Hospital, Aarhus, Denmark Previous Role/Title: Ph.D. Specialty: Molecular Biology Education/Training: Ph.D. - Aarhus University Hospital Hometown: City of Aarhus, State of Jutland, Country, Denmark Interests/Achievements: Dr. Jeppesen studies content and biological roles of extracellular vesicles and nanoparticles that represent an important yet poorly understood area of intercellular communication. By using several innovative approaches, he has been able to show that the composition of exosomes must undergo a major reassessment (Jeppesen et al. 2019, Cell. 177, 428-445; Leading Edge Preview by Pluchino and Smith, 2019, Cell, 177, 225-227). His work has highlighted the diversity and heterogeneity of extracellular vesicles but also presents new techniques that allow precise characterization of exosomes. The export route of AGO1-4 proteins has been a Dennis Jeppesen, PhD controversial question in the extracellular RNA field, but Dr. Jeppesen has now conclusively demonstrated that the major secretion route is non-vesicular. Research Instructor Division of Gastroenterology, Hepatology, and Nutrition Previous Institution: University of Texas Southwestern Medical Center Previous Role/Title: Resident Physician Specialty: Internal Medicine Education/Training: M.D. - Meharry Medical College Hometown: Carrollton, GA Interests/Achievements: Dr. Johnson recently joined the Vanderbilt faculty in the Division of General Internal Medicine and Public Health. After growing up in Carrollton, Georgia, he attended the University of West Georgia, He completed medical school at Meharry Medical College where he was inducted into the Alpha Omega Alpha Honor Medical Society. He completed residency at the University of Texas Southwestern Medical Center in Dallas, Texas. His wife, Keshia, is a physical therapist, and they have a fluffy labradoodle named Dallas. When away from work, he enjoys exercising, watching and attending sporting events, traveling, and spending time with family and friends. **Emmanuel Johnson, MD Assistant Professor of Clinical** Medicine **Division of General Internal** Medicine and Public Health

Previous Institution: University of Washington/Fred Hutchinson Cancer

Research Center

Specialty: Medical Oncology, Breast Cancer

Education/Training: M.D. - Baylor College of Medicine

Ph.D. - Rice University

Hometown: Perry Hall, MD

Interests/Achievements: Dr. Kennedy's initial training was as a chemical engineer, and she planned to do biomedical research in pharmaceuticals. As she

progressed through her studies, she realized that she wanted to achieve a more personal connection with the people that she was trying to help through her research. She applied and matriculated to the MD/PhD program at Baylor College of Medicine. During her time in graduate school at Rice University, she focused on how technology such as gold nanoparticles could help patients with cancer. After completing her MD/PhD, she continued her focus on cancer care by doing the clinical training needed to become a medical oncologist. During her time as an oncology fellow at the University of Washington/Fred Hutchinson Cancer Research

Previous Role/Title: Acting Instructor/Research Associate

Center, she became interested in how the immune system can influence breast cancer response to therapy. She is currently working on minimally invasive strategies to predict tumor microenvironment response to immune treatments such as trastuzumab, and she has received an ASCO/CCF Young Investigator Award in Breast Cancer to support her work in this area. Her goal is to improve the lives of patients with breast cancer by creating tools that will let doctors choose the most efficacious therapy for an individual patient.

Dr. Kennedy will be seeing patients at the Vanderbilt Breast Center and developing clinical trials to identify biomarkers of breast

cancer immune response.

Previous Institution: Vanderbilt University School of Medicine Previous Role/Title: Postdoctoral Fellow

Specialty: Pulmonary and Critical Care Medicine

Education/Training: M.D. - Emory University School of Medicine

Hometown: Barrington, IL

Interests/Achievements: Dr. Vern "Eric" Kerchberger earned his baccalaureate degree from Yale University in chemistry in 2008. Upon graduation he entered

medical school at Emory University, completing his MD degree in 2012. Eric did his internship and residency at New York-Presbyterian Hospital (Columbia University Medical Center) from July of 2013 through June 2015 and immediately entered the fellowship program at Vanderbilt in pulmonary and critical care medicine. In August of 2018 he began a master's degree program at Vanderbilt University in biomedical informatics, with graduation anticipated in 2020. Upon completion of his fellowship in July 2020, he took up his role as Instructor in Medicine on the Vanderbilt faculty. Dr. Kerchberger is actively engaged in clinical and translational

research, with a focus on using large electronic health record databases for critical illness phenotyping and to study the role of genetic variation in critical illness syndromes including the acute respiratory distress syndrome. His research reaches across multiple disciplines and has fostered collaborative efforts with faculty in the Department of Medicine, Department of Biomedical Informatics, and Vanderbilt Genetics Institute. Dr. Kerchberger has consistently demonstrated a passion for teaching during his clinical

fellowship. He received the Hugh Jackson Morgan Teaching Award for Best Fellow Teacher during his first year of fellowship training in recognition of his commitment to teaching from the internal medicine residency program. He is a member of the American

Thoracic Society, the American Medical Informatics Association, and the American Society of Human Genetics.

Laura Kennedy, MD, PhD

Assistant Professor

Division of Hematology/Oncology

Eric Kerchberger, MD

Instructor

Division of Allergy, Pulmonary, and Critical Care Medicine

Previous Institution: Vanderbilt University Medical Center

Previous Role/Title: Clinical Fellow

Specialty: Nephrology

Education/Training: D.O. - Texas College of Osteopathic Medicine

Hometown: Nashville, TN

Interests/Achievements: Guneet Kochar, DO, completed his internal medicine residency and served as chief resident at the University of Kansas prior to

starting general nephrology and hypertension training at VUMC. He is completing training in transplant nephrology and has an

interest in optimizing care for patients with failing kidney transplants.

Guneet Kochar, DO Instructor

Division of Nephrology and Hypertension

Previous Institution: Northside Hospital Cancer Institute

Previous Role/Title: Cancer Genetics Program Coordinator

Specialty: Cancer Genetics

Education/Training: M.S. - Medical College of Virginia

M.S. - Johns Hopkins University

Hometown: Beverly, MA

Interests/Achievements: Katie received a Master of Science in biotechnology from Johns Hopkins University and a Master of Science in genetic counseling from Virginia Commonwealth University (VCU). At VCU, she was the only genetic counseling student to ever be honored with the Charles C. Clayton Award from the School of Medicine, which honors graduate students for both academic and research achievements. After graduation from VCU, Katie was awarded the only hereditary cancer genetic counseling fellowship position in the country at the Fisher Center for Familial Cancer Research at Georgetown University. Upon completing her fellowship, Katie relocated to Atlanta to begin working at the Hereditary Cancer Program at the Northside Hospital Cancer Institute, one of the largest community cancer centers in the country. She was the coordinator of the program from 2014 to 2020 during which she led the expansion of the program from three to seven genetic counselors and from one to four full-time support staff. Upon her departure, the Northside program served over 450 unique referring providers a year, had seven in-person locations, and provided weekly telegenetics services to nine rural medical oncology clinics. Katie is also a founding member and the first-ever elected President of the Georgia Association of Genetic Counselors. She then served on the board again as the Committee Director, and it was in this role she spear-headed the successful efforts to pass a genetic counselor licensure bill. Katie is passionate about improving patient

access to genetic counseling services and developing and implementing alternative models to better meet the needs of both patients

and providers seeking genetics services.

Katie Lang, MS

Senior Associate

Division of Genetic Medicine

	Previous Institution:	Vanderbilt University Medical Center	Previous Role/Title: Gastroenterology Fellow		
	Specialty:	Gastroenterology			
	Education/Training:	M.D Vanderbilt University School of Medicine			
		Ph.D Vanderbilt University School of Medicine			
	Hometown:	Hometown: Carmel, IN			
Nicholas Markham, MD, PhD Instructor Division of Gastroenterology, Hepatology, and Nutrition	Interests/Achievements:	the Canby Robinson Scholarship within the Vanderbilt Mehis publications related to understanding how cell-cell jurcytoskeletal and growth factor signaling pathways. Stemptoxins bind growth factor receptors and interfere with cytofellowship and was a Harrison Society Scholar. He was start training program. During fellowship, he published studied presentations at Digestive Disease Week and the Vanderschaften Center Pilot Project grant to develop a cells. He was selected to present his investigations on the	health as a physician and scientist. In medical school, he was selected for edical Scientist Training Program (MD/PhD). During his graduate training, nction proteins contribute to development and disease by altering ming from these projects, he became interested in C. difficile, because its oskeletal dynamics. He stayed at VUMC to complete a gastroenterology selected for postdoctoral funding through the Division of Gastroenterology udies on growth factor signaling and gastrointestinal biology. He has given U Single Cell Biology Symposium. He was awarded a Vanderbilt Digestive a novel technology for studying microbial toxins and their effect on human he interaction between the microbiome and colon cancer to the NCI Human faculty and enhance our understanding of C. difficile infection and colon		
	Previous Institution:	Meharry Medical College/Meharry Medical Group	Previous Role/Title: Assistant Professor/Medical Director		
	Specialty: Family Medicine				
	Education/Training: M.D University of Texas Health Science Center				
	Hometown: Plano, TX				
Concepcion Martinez, MD	Interests/Achievements:	for a wide variety of patients in areas such as acute care in international health and has participated in and superv She plans on continuing to participate in others as often	ical experience in family medicine and teaching. She is interested in caring a procedures, ultrasound, and women's health. She is particularly interested rised several medical missions (Medical Brigades) to Honduras and Kenya as possible. g for all people and very much enjoys a variety of age, socioeconomic		
Instructor in Clinical Medicine Division of General Internal		America. She also has a small farm with goats and a larg	Dr. Martinez has three Eagle Scouts and is still very active in the Scouts of ge garden. She enjoys sewing, needlepoint, crochet, spinning, and fiber		
Medicine and Public Health		work.			

Previous Institution: Vanderbilt University Medical Center Previous Role/Title: Clinical Fellow Specialty: Endocrinology Education/Training: M.D. - Washington University Ph.D. - Washington University Hometown: Fort Lee, NJ Interests/Achievements: Dr. Mona Mashayekhi graduated with an MD/PhD in immunology from Washington University in St Louis. She then pursued clinical training in internal medicine and endocrinology at Vanderbilt University and served as chief resident in internal medicine at the Nashville VA. Dr. Mashayekhi is interested in the tissue-specific immune responses in obesity, specifically investigating obese adipose tissue T cells. Previous Role/Title: Resident

Previous Institution: Penn State Health Milton S. Hershey Medical Center

Specialty: Combined Internal Medicine-Pediatrics

Education/Training: M.D. - Pennsylvania State University College of

Medicine

Hometown: Irwin, PA

Interests/Achievements: Dr. McCann recently joined the Vanderbilt faculty in the Division of General Internal Medicine and Public Health with a focus on

hospitalist medicine. After growing up in the greater Pittsburgh area, he went on to graduate from Allegheny College where he also played collegiate soccer. He then completed medical school at Penn State University College of Medicine and residency at Penn State Health in combined Internal Medicine-Pediatrics. His primary academic interests include health systems science, medical education, transition care of pediatric patients to the adult care model, complex care, and hospitalist medicine. His wife, Brittany, will be starting her anesthesiology critical care medicine fellowship in July 2020. When away from work, he enjoys running, hiking,

eating, and cooking.

Michael McCann, MD

Mona Mashayekhi, MD, PhD Instructor Division of Diabetes, **Endocrinology, and Metabolism**

Assistant Professor of Clinical Medicine

Division of General Internal Medicine and Public Health

Previous Institution: University of Colorado

Previous Role/Title: Fellow in Pulmonary and Critical Care Medicine

Specialty: Pulmonary and Critical Care Medicine

Education/Training: M.D. - Indiana University School of Medicine

Hometown: North Vernon, IN

Interests/Achievements: Dr. Katie McPherson is an Assistant Professor of Medicine on the clinician educator track at Vanderbilt University Medical Center. She earned her baccalaureate degree (2009) at Hanover College in Hanover, Indiana in chemistry and ethics. During her time at Hanover, she studied philosophy and theology with international content experts at Katolieke Universiteit, Leuven, Belgium, While there. Dr. McPherson went on to earn her medical degree from Indiana University School of Medicine in Indianapolis in 2013 and remained to complete her internal medicine training in 2016. She then served as chief resident (2016-2017) at Indiana Universities' affiliate, Methodist Hospital. Prior to joining the Vanderbilt faculty, Dr. McPherson completed a fellowship in pulmonary and critical care medicine in the Division of Pulmonary Sciences and Critical Care Medicine at the University of Colorado in Aurora (Anschutz Campus). During her fellowship, Dr. McPherson enrolled in the University of Colorado's Teaching Scholars Program where she gained expertise in adult educational theory and scholarship in medical education. During her third year, she developed additional clinical expertise in the area of lung transplantation. Also during fellowship, Dr. McPherson realized her passion for medical education and development of learning climate. She focused her primary scholarship on curricula development, including a MICU curriculum and a "Fellow as Educator" curriculum that was awarded the 2020 American Thoracic Society (ATS) Innovations in Fellowship Education program's top abstract. In addition to her clinical duties in pulmonary and critical care medicine, Dr. McPherson currently serves on the Lung Transplant/Advanced Lung Disease service at Vanderbilt.

Katie McPherson, MD **Assistant Professor**

Division of Allergy, Pulmonary, and **Critical Care Medicine**

Previous Institution: University of Michigan Health System

Previous Role/Title: Resident

Specialty: Hospital Medicine

Education/Training: M.D. - University of Washington School of Medicine

Hometown: Great Falls, MT

Interests/Achievements: Dr. Miller recently joined the Vanderbilt faculty in the Section of Hospital Medicine and plans to expand upon her interests of Quality Improvement and Patient Safety as a member of the Vanderbilt faculty. Following her upbringing in Montana, she received her BS from the University of Notre Dame. She completed medical school at the University of Washington and her Internal Medicine residency at the University of Michigan. Throughout residency, she was involved in resident education and hopes to broaden her experience to incorporate medical education and curriculum development.

Catherine Miller, MD

Assistant Professor of Clinical Medicine

Division of General Internal Medicine and Public Health



Michael J Neuss. MD. PhD

Assistant Professor of Clinical Medicine

Division of General Internal Medicine and Public Health Previous Institution: Vanderbilt University Medical Center

Previous Role/Title: Resident

Specialty: General Internal Medicine, Hospital Medicine

Education/Training: M.D. - Duke University

Ph.D. - Columbia University

Hometown: Cincinnati, OH

Interests/Achievements: Dr. Michael J. Neuss is thrilled to join the faculty of the Division of General Internal Medicine and Public Health, with a focus on hospital medicine. He completed medical school at Duke University and residency at Vanderbilt University. Prior to medical school, he took a PhD in history at Columbia University. Specific areas of interest were the history of science and medicine, as well as early modern European history. A Richard Hofstadter fellowship supported his doctoral studies. The focus of his dissertation was William Harvey's description of the systemic circulation of blood (ca. 1620s). Dr. Neuss's current research is on the early history (ca. 1960s-1970s) of what we now call the electronic health record. His interest in the history of medicine also extends to a number of smaller educational projects around the school of medicine, as well as extramural commitments including participation on the editorial committee for the journal CHEST's new "Humanities in Chest Medicine" section.

> Dr. Neuss also has broad interests in medical education and quality improvement. He was the editor-in-chief of the inaugural edition of Vanderbilt's internal medicine residency handbook, which provides specific, systems-based quidance for residents (and especially new interns) on clinical practice at VUMC and the Nashville VA. A web version is available at http://www.VIMBook.org.

Select Publications:

- 1) Neuss MJ, "Blood Money: Harvey's De motu cordis (1628) as an Exercise in Accounting" British Journal for the History of Science 51. no. 2 (2018): 181-203.
- 2) Neuss MJ, ed. Commodore Compendium: Vanderbilt Internal Medicine Residency Handbook, Inaugural Edition. Nashville, TN: Vanderbilt University Medical Center: 2019.
- 3) Borst AJ, Sudan DL, Wang LA, Neuss MJ, Rothman JA, Ortel TL, Bleeding and thrombotic complications of pediatric liver transplant. Pediatr Blood Cancer; 65, no. 5 (2018).
- 4) Neuss MJ, Holland TL. Digital ischaemia after intra-arterial drug injection. BMJ Case Rep. 2017 Sep 25;2017

Previous Institution: University of Queensland, Brisbane Previous Role/Title: Visiting Postdoctoral Research Fellow

Specialty: Genetic epidemiology

Education/Training: Ph.D. - Cardiff University

Hometown: Kalamata, Greece

Interests/Achievements: Following a degree in psychology at the University of Athens (Greece), an MSc in Neuropsychology at the University of Bristol (UK), and a PhD at the MRC Centre for Neuropsychiatric Genetics and Genomics at Cardiff University (UK), Dr. Niarchou was awarded a

Sir Henry Wellcome Postdoctoral Fellowship. During her four-year fellowship, Dr Niarchou worked as a research fellow at the University of Pennsylvania under the supervision of Prof. Raquel Gur, at the University of Queensland (Australia) under the supervision of Prof. Naomi Wray, and at VUMC under the supervision of Dr. Lea Davis, where she received advanced statistical

training and immersed herself in projects using biobank data.

Research Instructor

Dr. Maria Niarchou's research aims to establish the etiological mechanisms underlying risk for major neuropsychiatric disorders. She is especially interested in how the interaction of multiple genetic and environmental factors can contribute to the development of

psychiatric symptomatology. She has used many different study designs including longitudinal epidemiological studies and genetic studies to elucidate these relationships. Dr Niarchou's research focus during her PhD and postdoctoral work was on examining the role of Copy Number Variants (i.e., deletions and duplications of genetic material) in the development of psychiatric problems in children and adolescents. Dr. Niarchou's research interests have now expanded also to examine how common genetic variation can explain risk for psychiatric disorders. Dr Niarchou is particularly intrigued by how polygenic risk, rare variant risk, and environment

combine to contribute to major neuropsychiatric disorders.

Previous Institution: University of Tennessee Graduate School of Previous Role/Title: Resident Physician

Medicine

Specialty: Internal Medicine

Education/Training: D.O. - Alabama College of Osteopathic Medicine

M.B.A. - Troy University Sorrell College of Business

Hometown: Easton, PA

Interests/Achievements: Dr. Nourse earned two undergraduate degrees with a BS in biology and BS in psychology from the University of Alabama at

Birmingham. He pursued his graduate studies at Georgetown University where he received an MS in physiology and biophysics. In medical school, he became the first graduate of the dual DO/MBA program attaining his business degree from Troy University and medical degree from the Alabama College of Osteopathic Medicine. Dr. Nourse graduated both medical school and business school with greater than 3.90 GPAs, earning him the "Most Outstanding Graduate Student Award" and Sigma Sigma Phi national honors. He then completed his internal medicine residency at the University of Tennessee Graduate School of Medicine prior to joining Vanderbilt University Medical Center. During residency, he served on numerous committees and engaged in research, presenting.

and teaching. Dr. Nourse has interests in academic and hospitalist medicine as well as leadership and quality improvement.

Alexander Nourse, DO

Maria Niarchou, PhD

Division of Genetic Medicine

Assistant Professor of Clinical Medicine

Division of General Internal Medicine and Public Health

Previous Institution: Vanderbilt University Medical Center

Previous Role/Title: Clinical Fellow

Specialty: Gastroenterology, Hepatology and Nutrition

Education/Training: M.D. - University of Illinois College of Medicine

Hometown: Fairfield, IL

Interests/Achievements: Dr. Orr completed his undergraduate training in kinesiology at the University of Illinois at Urbana-Champaign and then attended medical school at the University of Illinois College of Medicine. His training continued with internal medicine internship and residency at the University of Alabama at Birmingham followed by general gastroenterology fellowship at Vanderbilt University Medical Center. Dr. Orr's primary interest is in the apeutic endoscopy with a focus on pancreaticobiliary disease. He is receiving specialized training in eradication therapies (including radiofrequency ablation) for Barrett's esophagus and early esophageal cancer, endoscopic retrograde cholangiopancreatography (ERCP), cholangioscopy, endoluminal stent placement, deep enteroscopy/balloon enteroscopy, endoscopic mucosal resection (EMR) of large polyps, endoscopic suturing, fistula and leak closure, endoscopic

ultrasound (EUS) for cancer staging, fine needle aspiration and biopsy, and interventional procedures.

Division of Gastroenterology, Hepatology, and Nutrition

Jordan Orr. MD

Instructor

He is board certified in internal medicine and is an active member of the American Society of Gastrointestinal Endoscopy, American

College of Gastroenterology, and American Gastroenterological Association.

Previous Institution: University of Texas Southwestern Medical Center

Previous Role/Title: Cardiovascular Medicine Fellow



David Patrick, MD, PhD **Assistant Professor**

Division of Clinical Pharmacology

Specialty: Cardiovascular Medicine

Education/Training: M.D. - University of Texas Southwestern

Hometown: Dallas, TX

Interests/Achievements: Dr. David Patrick is a physician-scientist in the Divisions of Clinical Pharmacology and Cardiovascular Medicine. He received his

MD/PhD from the University of Texas Southwestern Medical Center and performed his dissertation research in the laboratory of Dr. Eric Olson studying the role of small RNAs in cardiac hypertrophy and fibrosis. He then completed his internal medicine and cardiovascular medicine training as a member of the Harrison Society at VUMC. His postdoctoral fellowship was performed in the laboratory of Dr. David Harrison where he studied the role of the immune system in cardiovascular disease and essential hypertension. The focus of his current research is the immune mechanisms driving essential hypertension and cardiovascular disease. Current projects in his laboratory include studying the role of reactive oxygen species and antigen presentation in essential hypertension and systemic autoimmunity. His clinical interests include the care of patients with systemic autoimmune conditions and cardiovascular disease. Dr. Patrick has received numerous awards for his research including the Young Investigator Award from the American Association of Immunologists. His wife, Dr. Anna Patrick, is a physician-scientist in the Division of Pediatric Rheumatology

at VUMC. Outside of work he enjoys trail running and Nashville's music scene.

Previous Institution: Duke University Hospital Previous Role/Title: Internal Medicine Housestaff

Specialty: Internal Medicine

Education/Training: M.D. - The George Washington University

Hometown: Chicago, IL

Interests/Achievements: Dr. Pollard recently joined the Vanderbilt faculty in the Division of General Internal Medicine and Public Health with a focus on

primary care and medical education. Dr. Pollard is in the clinician educator track and will join Vanderbilt Primary Care at North One Hundred Oaks. After growing up in Chicago, she received degrees in both political science and American studies at the University of Virginia before attending medical school at George Washington University, where she completed a community health concentration. She completed an internal medicine residency at Duke University while receiving formal training in medical education and healthcare

policy. She is excited to explore Nashville and enjoys running, hiking, and college sports in her free time.

Kathleen Pollard, MD

Assistant Professor

Division of General Internal

Medicine and Public Health

Previous Institution: Vanderbilt Univerity Medical Center

Previous Role/Title: Clinical Fellow

Specialty: Nephrology

Education/Training: M.D. - Mercer University School of Medicine

Hometown: Blairsville, GA

Interests/Achievements: Dr. Sarrell completed medical school at Mercer University School of Medicine, internal medicine residency at Wake Forest Baptist

Medical Center, and nephrology fellowship at Vanderbilt University Medical Center. She is interested in transplant nephrology.

Bonnie Sarrell, MD

Instructor

Division of Nephrology and Hypertension

Previous Institution: Brooklyn Hospital - Mt. Sinai Previous Role/Title: Internal Medicine Resident

Specialty: Internal Medicine

Education/Training: M.D. - American University of Antigua

Hometown: Brooklyn, NY

Interests/Achievements: Dr. Sahar Takkouche, MD, is a New York native. She received her Bachelor of Science in biology from the University of New York's

Brooklyn College. She worked as a research assistant at New York University studying clinical nutrition, metabolism, and its impact on cardiovascular disease. Dr. Takkouche obtained her medical degree from the American University of Antigua College of Medicine in 2017. She completed her internal medicine residency in New York at the Brooklyn Hospital, an affiliate of Mount Sinai. During the SARS COVID-2 pandemic, Dr. Takkouche effectively doubled the number of critical care beds available by opening a second intensive care unit under the guidance of her chair and mentor. She has been awarded the "Best in Brooklyn" by the New York State

Previous Role/Title: Pulmonary and Critical Care Fellow

Senator. Her academic interests focus on education of residents and medical students. Her research interests include obesity medicine, metabolism, the gut-brain axis, critical care medicine, and cardiovascular health. Outside of work, she enjoys spending

time with her family, working out, and sampling new plant-based recipes.

Sahar Takkouche, MD

Instructor

Division of Diabetes, Endocrinology, and Metabolism

Previous Institution: Vanderbilt University Medical Center

Specialty: Rheumatology, Pulmonary and Critical Care

Medicine

Education/Training: M.D. - Duke University

Ph.D. - Duke University

Hometown: Worthington, OH

Interests/Achievements: Dr. Wilfong completed her MD at Duke University in 2011. Since that time, she has pursued clinical training in internal medicine at

the Johns Hopkins Hospital, rheumatology at the University of California, San Francisco, and pulmonary/critical care medicine at Vanderbilt University Medical Center. She has leveraged her unique training in both rheumatology and pulmonology to pursue translational immunology research in idiopathic inflammatory myopathies (IIM), which encompass dermatomyositis, polymyositis, and the anti-synthetase syndromes. Interstitial lung disease is a major cause of morbidity and mortality for IIM patients, and Dr. Wilfong sees patients with connective tissue-related lung disease in her clinic. Dr. Wilfong runs the Myositis and Scleroderma Treatment Initiative Center (MYSTIC) cohort, which serves as comprehensive biorepository and longitudinal cohort to facilitate translational research into these devastating diseases. Her current research focuses on abnormal B cell signaling within IIM using

mass cytometry, fluorescence cytometry, and single cell RNA-Seq. Her research is supported by both Myositis UK and The Myositis

Association.

Erin Wilfong, MD, PhD

Instructor

Division of Rheumatology and Immunology

Previous Institution: Vanderbilt University Medical Center Previous Role/Title: Clinical Fellow Specialty: Diabetes, Endocrinology and Metabolism Education/Training: M.D. - University of Michigan Ph.D. - University of Michigan Hometown: Woodland Hills, UT Interests/Achievements: Dr. Wright is a physician-scientist interested in the pathogenesis and treatment of diabetes mellitus. Prior to joining Vanderbilt, he researched cardiovascular complications of diabetes and mechanisms responsible for mutant insulin-gene related diabetes. At Vanderbilt, under the mentorship of Alvin Powers, his research focuses on the pathologic changes seen in the pancreas of organ donors with diabetes, particularly how changes in immune cells of these donors may influence pancreatic islet function and dysfunction. He is also interested in immune-checkpoint inhibitor associated diabetes, studying pre-clinical models of this disease Jordan Wright, MD, PhD and collaborating with other clinicians at Vanderbilt to improve our understanding and our management of the complications of these novel cancer therapies. Instructor Clinically, Dr. Wright has a broad interest in general endocrinology, seeing patients in the inpatient and outpatient settings with Division of Diabetes. diabetes as well as conditions related to thyroid, parathyroid, pituitary, adrenal, reproduction, and bone physiology. He is particularly Endocrinology, and Metabolism interested in management of patients with endocrine-related complications of cancer immunotherapy. Previous Institution: Vanderbilt University Medical Center Previous Role/Title: Cardiovascular Medicine Fellow Specialty: Cardiology Education/Training: M.D. - Vanderbilt University School of Medicine Hometown: Lexington, Ky Interests/Achievements: Dr. Yoneda will be continuing his research with the AHA SFRN clinical project in atrial fibrillation. His research focuses on precision approaches towards management of atrial fibrillation using both pharmacologic and invasive techniques. He will be completing his MSCI in the coming year and hopes to pursue a career in electrophysiology the year after. Zachary Yoneda, MD Instructor **Division of Cardiovascular** Medicine

Previous Institution: Vanderbilt University School of Nursing

Previous Role/Title: Assistant in Anesthesiology, Instructor of Nursing

Specialty: Nurse Practitioner

Education/Training: D.N.P. - Vanderbilt University School of Nursing

M.S.N. - Vanderbilt University School of Nursing

Hometown: Nashville, TN

Interests/Achievements: Shannon Ellrich, DNP, is an Assistant in Medicine in the Division of Allergy, Pulmonary, and Critical Care Medicine. She is a lead nurse practitioner for the VUMC Advanced Lung Disease Service. As an Assistant in Medicine, Dr. Ellrich functions as an acute care nurse practitioner, providing for around-the-clock coverage in collaboration with other members of the health care team. As a lead nurse practitioner, she provides leadership to her team and participates in recruitment and onboarding. Prior to joining the Department of Medicine, Dr. Ellrich served on the Vanderbilt faculty as Assistant in Anesthesiology in the Department of

Anesthesiology. Dr. Ellrich has extensive experience as an advanced practice nurse in a military setting, including assigned international positions; she served at the 86th Combat Support Hospital in Monrovia, Liberia, working as part of an Ebola management training team. Dr. Ellrich also has a faculty appointment in the School of Nursing as Instructor of Nursing, secondary.

She earned her baccalaureate degree from Belmont University in nursing with a minor in military science in 2009, receiving recognition as a Military Honors Graduate and recipient of the George C. Marshall Leadership Award. In 2017 she received a Master of Science in Nursing from the Vanderbilt University School of Nursing and went on to earn a Doctor of Nursing Practice degree, also from the School of Nursing at Vanderbilt. She is a member of the American Nurses Association, the American Association of Nurse

Practitioners, and the Society of Critical Care Medicine.

Shannon Ellrich, DNP, MSN

Assistant in Medicine

Division of Allergy, Pulmonary, and **Critical Care Medicine**