

Current Newman Society Members				
Last Name	First Name	Project	Primary Department	Current or Previous Funding
Abdel-Kader	Khaled	Developing, Validating, and Implementing a CKD Predictive Model (DELVECKD)	Medicine/Nephrology	K23
Abraham	Robert	Simulating Ion Channel Interactions to Study Atrial Fibrillation Risk Modulation	Medicine/Cardiovascular Medicine	VPSD
Aday	Aaron		Medicine/Cardiovascular Medicine	K12 VEMRT
Ahonkhai	Aimalohi	Decreasing Interruptions and Losses from HIV Care in Nigeria	Medicine/Infectious Diseases	K23
Aldrich	Melinda	Leveraging Genetic Ancestry to Identify Genetic Variants and Gene-Environment Interactions Influencing Lung Cancer in African Americans	Thoracic Surgery	VCTRS; K07
Arnold	Shanna	ALCAM as a Biomarker for Urogenital Cancer	Pathology, Microbiology & Immunology	VA CDA
Bachmann	Katherine	Insulin and the Natriuretic Peptide System	Medicine/Diabetes, Endocrinology & Metabolism	VFRS ; K23
Barnado	April	Using the Electronic Health Record to Risk-Stratify Patients with Systemic Lupus Erythmatosus	Medicine/Rheumatology	K12 BIRCWH ; K08
Bastas	Gerasimos	Pelvic Accelerometry Tracking for Objective Detection of Worsening Gait Deviations and Prosthetic Device Optimization in Transfemoral Amputees	Physical Medicine & Rehabilitation	K12 BIRCWH
Benjamin	John	Regulation of Elastin Assembly During Saccular Stage Lung Development	Pediatrics/Neonatology	K12 Pediatrics ; K08
Bingham	Nathan	Attenuation of Diet-induced Hypothalamic Inflammation and Microglial Activation by Bile Acids	Pediatrics/Endocrinology and Diabetes	K12 Pediatrics
Bonami	Rachel	The Impact of Sex on the Development of Autoreactive B Lymphocytes in Type 1 Diabetes	Medicine/Rheumatology	K12 BIRCWH
Brooks	Craig	Proximal Tubule KIM-1 Expression Modulates Acute and Chronic Kidney Injury	Medicine/Nephrology	K01
Brummel	Nathan	Long Term Outcomes of Physical Activity in Older Adults with Critical Illness	Medicine/Allergy, Pulmonary & Critical Care Medicine	VFRS ; K76
Carson	Robert	MTOR Modulation of Myelination	Neurology	K08
Castilho	Jessica	The Dynamics of HIV, Aging, and T Lymphocyte Exhaustion	Medicine/Infectious Diseases	K12 BIRCWH ; K23
Chakkalakal	Rosette	Improving Peripartum Maternal Health in Gestational Diabetes Mellitus	Medicine/General Internal Medicine & Public Health	VFRS
Chung	Cecila	Drug-Drug Interactions and Preventable Adverse Events in Rheumatology	Medicine/Clinical Pharmacology	K23
Clark	Stephen		Neurology	K12 VCORCDP
Clayton	Douglass	Mechanisms of Cellular Adaptation in Cystitis	Urologic Surgery	K08
Clouse	Kate	Population Mobility and Retention in HIV Care among Postpartum Women in South Africa	Medicine/Infectious Diseases	K01
Coburn	Lori	L-Arginine Metabolism in Mucosal Inflammation and Inflammation-Associated Carcinogenesis	Medicine/Gastroenterology	VA CDA
Cook	Mekeila	Investigation of Barriers and Facilitators of Service Utilization among Justice-Involved Girls Vulnerable to Sex Trafficking: A Mixed-Methods	School of Graduate Studies and Research (Meharry)	K12 VFRS
Crescenzi	Rachelle	Visualizing Vascular Mechanisms of Salt	Radiology & Radiological Sciences	AHA CDA
Cronin	Robert	Patient Driven Two-way Text Messaging: A Novel Strategy for Improving Medication Adherence in Adolescents and Adults with Sickle Cell Disease	Biomedical Informatics	VFRS; K23
Daniels	Anthony	Developing Alternative Approaches to Reduce Retinal Toxicity and Prevent Vision Loss in the Treatment of Intraocular Blastoma	Ophthalmology & Visual Sciences	VFRS ; K08
Darby	Ryan	Dementia, Decision-Making, and the Law	Neurology	VFRS
Davis	Jamaine	Elucidating Binding Modes of BRCT-Modules	Biochemistry and Cancer Biology (Meharry)	K22
Doster	Ryan	Defining the Role of Streptococcus Agalactiae Biofilm at the Host-pathogen Interface during Chorioamnionitis	Medicine/Infectious Diseases	VFRS
Erves	Jennifer		Internal Medicine (Meharry)	K12 V-POCKET
Ferrell	Brent	Investigating the Role of the JAK/STAT3 Pathway in Clonal Proliferation and Immune Dysfunction in Myelodysplastic Syndrome	Medicine/Hematology-Oncology	K12 VCORCDP ; K23

Ferrell	Nicholas	Protein Handling by Renal Proximal Tubule Epithelial Cells	Medicine/Nephrology	K01
Fessel	Joshua	Metabolic Reprogramming in Pulmonary Arterial Hypertension	Medicine/Allergy, Pulmonary & Critical Care Medicine	VFRS ; K08
Fiske	Christina	Toll-like Receptor 2, Vitamin D, and Extrapulmonary Tuberculosis	Medicine/Infectious Diseases	K23
Foster	Daniel	Modulation of Striatal Biology and Repetitive Behaviors by M4 PAMs	Pharmacology	VFRS
Freundlich	Robert	Development of a Dynamic Risk Prediction Model for Postoperative Assisted Ventilation	Anesthesiology	KL2 VFRS
Galindo	Cristi	The Anti-Fibrotic Effects of Neuregulin in the Heart	Medicine/Cardiovascular Medicine	K01
Gamboa	Alfredo	Sympathetic Nervous System and Nitric Oxide in Obesity Associated Hypertension	Medicine/Clinical Pharmacology	K23
Gamboa	Jorge	Mitochondrial Dysfunction in Chronic Kidney Disease	Medicine/Clinical Pharmacology	K23
Gifford	Katherine	Cognitive Concerns in Middle Aged and Older Adults	Neurology	K12 BIRCWH; K23
Giri	Ayush	Role of Genetics, Genetic Ancestry and Obesity in Gestational Diabetes	Obstetrics & Gynecology	K12 BIRCWH
Gogliotti	Rocco	Normalizing E:1 Imbalance in Rett Syndrome by Modulation of Late Response Genes	Pharmacology	K01
Goettel	Jeremy	Investigating the Cross-Regulation of the Microbiome and Mucosal Immune System Using Humanized Mice	Medicine/Gastroenterology	K01
Gomez	Jose	SOX6 Role in Renin Expression During Juxtglomerular Cells Expansion	Medicine/Clinical Pharmacology	K01
Gordon	Reyna	Mapping the Genetic and Neural Architecture of Human Rhythm and Communication Traits	Otolaryngology	K18
Gregory	Justin	The Use of Hepatopreferential Insulin Analogs to Mitigate Insulin Resistance in Type 1 Diabetes	Pediatrics/Endocrinology and Diabetes	K12 Pediatrics
Gupta	Deepak	The Natriuretic Peptide System in African Americans	Medicine/Cardiovascular Medicine	K12 VEMRT ; K23
Han	Jin	Delirium in the Emergency Department: Novel Screening and Natural Course	Emergency Medicine	VPSD; K23
Hanker	Ariella	Combatting Resistance to Combinations of HER2 Inhibitors in Breast Cancer	Medicine/Hematology-Oncology	K12 VCORCDP
Heerman	William	GROW Baby: Improving Maternal Gestational Weight Gain and Infant Growth in the Growing Right Onto Wellness (GROW) Trial	Pediatrics/General Pediatrics	K23
Herington	Jennifer	Identifying Small-Molecule Modulators (SMMs) to Alter the Regulation of Uterine Contractions	Pediatrics/Neonatology	VFRS
Hernandez	Antonio	Enhancement of Innate Anti-microbial Immunity Using Novel Synthetic TLR4 Agonists	Anesthesiology	K08
Hohman	Timothy	Genetic Resilience to the Clinical Manifestation of Dementia	Neurology	K12 BIRCWH; K01
Howard	Leigh	Viral-Bacterial Interactions in Pediatric Respiratory Illness	Pediatrics/Infectious Diseases	VFRS
Huh	Won Jae	Crosstalk of EGFR and Notch Signaling Pathways in the Pathogenesis of Menetrier's Disease	Pathology, Microbiology & Immunology	VFRS
Idrees	Kamran	Advanced Genetic and molecular Analysis of Metastatic Peritoneal Colorectal Cancer	Surgery	K12 VCORCDP; ACS Scholar
Johnson	Douglas	Predicting and Profiling Long-Term Survival After Immune Checkpoint Inhibition	Medicine/Hematology-Oncology	K12 VCORCDP; K23
Kawai	Vivian	Pharmacogenetic Determinants of Variability in Response to Glucocorticoids	Medicine/Clinical Pharmacology	VPSD; K23
Kennedy	Arion	The Role of CD8+ T Cells in the Development of Nonalcoholic Fatty Liver Disease	Molecular Physiology and Biophysics	K01
Keohane	Laura	Quality of Care for Dual-Eligible Beneficiaries in Managed Care	Health Policy	K01
Khankari	Nikhil	Polyunsaturated Fatty Acids and Colorectal Tumor Risk: A Molecular and Genetic Epidemiology Study	Medicine/Epidemiology	K99/R00
Kirabo	Annet	Role of Salt, Isoketal-Modified Proteins and Dendritic Cells in Hypertension	Medicine/Clinical Pharmacology	K01
Kroncke	Brett	SCN5A (NAV1.5): Predicting the Consequence of Missense Single-nucleotide Polymorphisms	Medicine/Clinical Pharmacology	K99/R00
Kropski	Jonathan	DNA-damage Repair in Pulmonary Fibrosis	Medicine/Allergy, Pulmonary & Critical Care Medicine	VFRS; K08

Kuhs	Krystle	Human Papillomavirus-specific Biomarkers for the Prediction of Oropharyngeal Cancer	Medicine/Epidemiology	<b>K12 VCORCDP; K07</b>
Lehman	Jonathan	Signaling Heterogeneity in Small Cell Lung Cancer	Medicine/Allergy, Pulmonary & Critical Care Medicine	<b>LUNGEvity CDA</b>
Lister	Roland	Intrauterine Programming of Diabetes Induced Cardiac Embryopathy	Obstetrics & Gynecology	<b>K12 BIRCWH; K01</b>
Lopez	Marcos	Perioperative Oxygenation, Endothelial Dysfunction, and Organ Injury in Cardiac Surgery	Anesthesiology	<b>VFRS</b>
Martinez	William	Enhancing Patient Activation in Diabetes Care Using Social and Goal-Based Comparisons	Medicine/General Internal Medicine & Public Health	<b>K08</b>
Maseda	Damian	Local Prostaglandin E2 Concentrations Control IL-17-mediated Immunological Colitogenic Responses	Medicine/Rheumatology	<b>Crohn's &amp; Colitis Foundation of America CDA</b>
Maxwell	Cathy	Geriatric Palliative Care Frailty Communication Aid (GPC-FCA) for Hospitalized Injured Older	Nursing	<b>VFRS</b>
McKernan	Lindsey		Psychiatry	<b>K12 V-POCKET</b>
McNaughton	Candace	A Randomized, ED-Based Intervention to Improve Antihypertensive Adherence	Emergency Medicine	<b>K12 VEMRT; K23</b>
Mixon	Amanda	Optimizing Medication Reconciliation for Older Veterans in Home Health Care	Medicine/General Internal Medicine & Public Health	<b>VA CDA</b>
Moore	Daniel	Harnessing B Lymphocytes as Antigen-Specific Regulators of Islet Tolerance	Pediatrics/Endocrinology and Diabetes	<b>K08</b>
Moses	Kelvin	The Effect of Health Literacy and Numeracy on Prostate Cancer Understanding and Treatment Decision Making Among Low-Income Men	Urologic Surgery	<b>K12 VCORCDP</b>
Mosley	Jonathan	Identifying Longitudinal Relationships among Cardiovascular Phenotypes Using Cross-sectional Data	Medicine/Clinical Pharmacology	<b>AHA Fellow to Faculty CDA</b>
Nicholson	Maribeth	<i>Clostridium difficile</i> Colonization, Disease, and Recurrence in the Pediatric Host	Pediatrics/Gastroenterology	<b>KL2 VFRS</b>
Okamoto	Luis	Circadian Rhythms, 24-hour Blood Pressure Regulation and the Autonomic Nervous System	Medicine/Clinical Pharmacology	<b>VPSD</b>
Ormseth	Michelle	Functional Impact of HDL Transport of MIRNA in Rheumatoid Arthritis	Medicine/Rheumatology	<b>VA CDA</b>
Padovani-Claudio	Dolly	Novel Therapeutic Strategies for Retinal Vascular Inflammation and Angiogenesis in Diabetic Retinopathy	Ophthalmology & Visual Sciences	<b>K08</b>
Perrien	Daniel	Interventions in Mechanisms of Disuse Osteopenia	Medicine/Clinical Pharmacology	<b>VA CDA</b>
Phillippi	Julia	Interprofessional Perinatal Consults to Improve Communication Quality, Satisfaction, and Team Cohesion: A Randomized Controlled Trial of the Collaboration for Antepartum Risk Evaluation (CARE) Model	Nursing	<b>K08</b>
Plosa	Erin	Beta 1 Integrin in the Lung	Pediatrics/Neonatology	<b>K08</b>
Poon	Sabrina		Emergency Medicine	<b>K12 VEMRT</b>
Pua	Heather	MicroRNA-23 Cluster Regulation of Helper T Cell Differentiation and Function	Pathology, Microbiology & Immunology	<b>K08</b>
Rebeiro	Peter	The HIV Care Continuum and Health Policy: Changes through Context and Geography	Medicine/Infectious Diseases	<b>VFRS; K01</b>
Rexer	Brent	Molecular Mechanisms of Resistance to HER2 Inhibitors in Breast Cancer	Medicine/Hematology-Oncology	<b>VPSD; K08</b>
Reynolds	W. Stuart	Afferent Hyperactivity Mechanisms in Overactive Bladder Syndrome	Urologic Surgery	<b>VPSD; K23</b>
Rhoten	Bethany	Gaps in Communications between Surgeon and Patient with Recurrent Head and Neck Cancer	Nursing	<b>K12 V-POCKET</b>
Richmond	Bradley	Role of Secretory IgA in Gender-based Differences in COPD	Medicine/Allergy, Pulmonary & Critical Care Medicine	<b>K12 BIRCWH; K08</b>
Rimrodt	Sheryl	Dyslexia in Post-Secondary Students: Imaging of Neural Circuits and Learning	Pediatrics/General Pediatrics	<b>K08</b>
Robinson-Cohen	Cassianne	Parathyroid Hormone: Genetic Architecture and Clinical Consequences	Medicine/Nephrology	<b>K01</b>
Rosas-Salazar	Christian	The Association of Early-life Nasal Colonization with <i>Lactobacillus</i> with the Immune Response and the Risk of Childhood Asthma and Allergic	Pediatrics/Allergy, Immunology & Pulmonary	<b>VFRS; Parker B. Francis Award; K12 Pediatrics</b>
Schrag	Matthew	Dystrophic Neurites and Lysosome Dysfunction in Alzheimer's Disease: The Contribution of PLD3	Neurology	<b>VFRS</b>
Scoville	Elizabeth	Mechanisms of Therapeutic Non-Response to TNF- and IL-12p40 Inhibition in Crohn's Disease	Medicine/Gastroenterology	<b>VFRS</b>

Self	Wesley	Salivary Cortisol as a Marker of Community-acquired Pneumonia Severity in Adults	Emergency Medicine	VCTRS; K23
Semler	Matthew	Oxygen Saturation Targets during Mechanical Ventilation of Critically Ill Adults: A Clinical Trial	Medicine/Allergy, Pulmonary & Critical Care Medicine	K12 VEMRT; K23
Shaver	Ciara	Mechanisms of Airspace Inflammation Caused by Cell-free Hemoglobin during ARDS	Medicine/Allergy, Pulmonary & Critical Care Medicine	VFRS; K08
Shelton	Elaine	KATP Channels as Biomechanical Sensors in the Regulation of Ductus Arteriosus Tone	Pediatrics/Neonatology	VFRS
Shinall	Ricky	The SCOPE Trial: Surgery for Cancer with Option of Palliative Care Expert, A Randomized Trial of an Early Palliative Care Intervention for Patients Undergoing Surgery for Cancer	General Surgery	K12 VCORCDP
Shoemaker	Ashley	Early Onset Obesity and Cognitive Impairment in Pseudohypoparathyroidism	Pediatrics/Endocrinology and Diabetes	VFRS; K23
Shoemaker	M. Benjamin	Atrial Fibrillation Susceptibility Due to Genetic Variation at Chromosome 4Q25	Medicine/Cardiovascular Medicine	K23
Shonesy	Brian	Endocannabinoids in Social and Repetitive Behavioral Domains	Molecular Physiology and Biophysics	K01
Soslow	Jonathan	Quantitative Assessment of Cardiac Disease in Duchenne Muscular Dystrophy	Pediatrics/Cardiology	K23
Stark	Ryan	Prevention of Endothelial Injury by Toll-like Receptor 4 Modulators	Pediatrics/Critical Care Medicine	VFRS; K08
Stolldorf	Deonni	Implementing and Sustaining Complex Interdisciplinary Healthcare Interventions: Learning from Medication Reconciliation	Nursing	K12 VEMRT; K01
Stricker	Thomas	High-Throughput Analysis of Mutations Identified by RNA-Sequencing Triple Negative	Pathology, Microbiology & Immunology	K08
Sucre	Jennifer	Developing 3-Dimensional Human Models of Bronchopulmonary Dysplasia	Pediatrics/Neonatology	K12 Pediatrics
Sudenga	Staci	Tumor-Infiltrating Lymphocytes in Anal Cancer and Pre-malignant Anal Lesions	Medicine/Epidemiology	K07
Taylor	Julie	Risk and Resiliency for Youth with Autism During the Transition to Adulthood	Pediatrics/General Pediatrics	K01
Thomsen	Isaac	Evaluating the Functional Antibody Response to Pediatric <i>S. aureus</i> Infections	Pediatrics/Infectious Diseases	VPSD; K23
Tkaczyk	Eric		Dermatology	K12 VCORCDP
Umeukeje	Ebele	Culturally Sensitive Tactics to Address Dialysis Adherence in African Americans	Medicine/Nephrology	K12 BIRCWH
Unertl	Kim	Developing New Approaches to Chronic Disease Care: Collaborative Team Workflow	Biomedical Informatics	K22
van der Heijden	Yuri	Fluoroquinolone Resistance in Patients with Multidrug-resistant Tuberculosis	Medicine/Infectious Diseases	VFRS; K08
Van Driest	Sara	Pharmacogenomics of Acute Kidney Injury in Children	Pediatrics/General Pediatrics	VFRS; PHARMA Foundation Award; Doris Duke Clinical Scholar Award
Ward	Michael	Enhancing Interfacility Transfer for Patients with Myocardial Infarction	Emergency Medicine	K12 VEMRT; K23
Warren Andersen	Shaneda	Vitamin D and Colorectal Cancer Risk: An Integrated Molecular and Genetic Epidemiology	Medicine/Epidemiology	K99/R00
Weis	Jared	Multi-scale Biomechanical Modeling of Tumor Growth and Response in Breast Cancer	Biomechanical Engineering	K25
Wellons	Melissa	increased Cardiovascular Risk and Early Natural Menopause in a Biracial Cohort	Medicine/Diabetes, Endocrinology & Metabolism	K23
White	Katie	Characterizing Drug and Tissue Specific Immune Signatures in Stevens-Johnson Syndrome and Toxic Epidermal Necrolysis	Medicine/Infectious Diseases	VFRS
Wilson	Jo Ellen	Catatonia in Critical Illness: Exploring Risk Factors and Clinical Outcomes	Psychiatry	KL2 VFRS
Woodard	Lauren	In Situ Reprogramming of Induced Nephron Progenitor Cells for Kidney Regeneration	Medicine/Nephrology	VA CDA
Woynaroski	Tiffany	Temporal Facilitation of Audiovisual Speech Processing and Language in Kindergarteners with Autism Spectrum Disorder (TALK ASD)	Hearing and Speech Sciences	KL2 VFRS
Wu	Lang	Uncovering Roles of Polyunsaturated Fatty Acids in Pancreatic Cancer Etiology	Medicine/Epidemiology	K99/R00
Xu	Junzhong	Assessment of Tumor Early Response to Treatment by Diffusion MRI	Radiology & Radiological Sciences	K12 VICMIC; K25
Yiadom	Maya	Improving the Screening Criteria that Trigger an Early ECG to Diagnose STEMI	Emergency Medicine	K12 VEMRT; K23