

The USF Health Morsani College  
of Medicine Gallery of

Scholarship celebrates the  
breadth and depth of scholarly  
activity by our students. We  
anticipate that these experiences  
have broadened our students'  
horizons such that they have a  
greater understanding of and are  
sensitive to the medical journeys  
of their patients. Ultimately, we  
hope that our students will be  
life-long scholars as they move  
forward in their careers.

GALLERY OF SCHOLARSHIP

**Robert Ackerman, Medical Education**

**Capstone:** The Academic Somersault: Piloting a Hybrid Flipped Classroom Curriculum for Basic and Clinical Embryology Instruction

**Mentor:** Srinivas Bharadwaj, MS, PhD, USF Dept. of Molecular Medicine, Division of Translational Medicine

**Himanshu Ajrawat**

**Title:** Clinical Utility of Image-Guided Biopsy in Diagnosis and Management of Vertebral Osteomyelitis- A Retrospective Cohort Study

**Mentor:** Shawn Meader, MD, USF Dept. of Radiology

**Matthew Beattie, Biological Research**

**Capstone:** Chondro-Osseous Respiratory Epithelial Adenomatoid Hamartoma of the Nasal Cavity: Two Cases from a Single Institution

**Mentors:** Christopher Ito, MD and Marion Ridley, MD, USF Dept. of Otorhinolaryngology, James A. Haley V.A. Hospital, Tampa, FL

**Kevin Bobeck, SELECT**

**Capstone:** Preemptive Action to Improve Veteran Healthcare

**Mentor:** Eric B. Johnson, Jr., MPSA, CAAMA, CHS, CHEP, CDP, CPS- LVHN Senior Project Manager for Operations, LVHN Network Veteran Health Officer

**Jewel Brown, International Medicine**

**Title:** Neonatal Abstinence Syndrome among Infants Born to Mothers with Sickle Cell Hemoglobinopathies

**Mentor:** Judette Louis, MD, MPH, USF Dept. of Obstetrics and Gynecology

**Danielle Carr, SELECT**

**Capstone:** Hospital Length of Stay vs. Relative Value Unit Generation in Trauma Surgery

**Mentor:** Joseph Stirparo, MD, LVHN Dept. of Surgery

**Michael James Carr, Biomedical Research**

**Capstone:** Both Tumor Depth and Diameter Are Predictive of Sentinel Lymph Node Status and Survival in Merkel Cell Carcinoma

**Mentor:** Jonathan S. Zager, MD, Cutaneous Oncology and Sarcoma, H. Lee Moffitt Cancer Center

**Brianna Castillo**

**Title:** Nilotinib-Associated Generalized Perforating Folliculitis

**Mentor:** Lucia Seminario-Vidal, MD, PhD, USF Dept. of Dermatology and Cutaneous Surgery

**Tess Chase**

**Title:** Prolonged Hospitalization during High-Risk Pregnancy: Experiences and Preferences for Improving Care

**Mentor:** Ronee Wilson, PhD, MPH, USF College of Public Health

**Alexandra Craen, SELECT**

**Capstone:** Lack of Gender Differences in Prevalence of Homelessness in the Emergency Department

**Mentors:** Brett J. Feldman, MSPAS, PA-C, Osman Z. Abbasi, DO, Zachary M. Dillon, MD, Kenneth Dzike, MD, Joshua Enyart, DO, Julie A. Fritzges, DO, Jessica L. Glaubman, DO, Emily A. Kiernan, DO, Nathaniel M. Yodor, DO, Timothy J. Friel, MD, Stephen W. Dusza, DrPH, Marna Rayl Greenberg, DO, MPH, Lehigh Valley Health Network

**Stephanie Trout, Health Disparities**

**Capstone:** Soccer-based Approach to Teaching Sexual Health to Adolescents in Cedro Galan, Nicaragua

**Mentor:** Robert Nelson, Jr. MD, Senior Associate Dean, Faculty Matters and Innovation, University of Texas Rio Grande Valley School of Medicine, USF Health Nicaragua

**Naa Sika Williams, Health Disparities**

**Capstone:** PSP Through the Years: Did the New Curriculum and Mentorship Show an Increase in the Students' Desire to Pursue Health Professional School or Post Baccalaureate Training?

**Mentors:** Kevin Casey, MEd and Shirley Smith MS, USF MCOM Office of Student Diversity and Enrichment

**Adison Weseloh, SELECT**

**Capstone:** Evaluating the Effectiveness of the 30-Second Chair Stand Test as an ED Screening Tool for Elderly Fall Risk Assessment

**Mentors:** Bryan G. Kane MD, Jeanne L. Jacoby MD, Robert D. Barraco MD, MPH, Tracy Bishop DO, Kyli Krape DO, Stephanie Merrick MD, Michael Wagner DO, Deidre Warner DO, Marna Rayl Greenberg DO, MPH, Lehigh Valley Health Network

## Special Thanks

Charles Lockwood, MD, MHCM  
Senior Vice President , USF Health  
Dean, USF Health Morsani College of  
Medicine

Bryan A. Bogнар, MD, MPH, FACP  
Vice Dean for Educational Affairs  
USF Health Morsani College of Medicine

Stephen B. Liggett, MD  
Associate Vice President for Research  
USF Health

**Alejandro Rabionet, Biomedical Research**

**Capstone:** Toxic Epidermal Necrolysis Cutaneous Eruption Associated with Anti-PD-1 Antibody Therapy

**Mentor:** Lucia Seminario-Vidal, MD, PhD, USF Dept. of Dermatology and Cutaneous Surgery

**Meera Ramsooksingh, SELECT**

**Capstone:** Implementation and Evaluation of Student-Led Instruction on Airway Management in the LVHN Surgery Clerkship

**Mentor:** Joseph Stirparo, MD, LVHN Dept. of Surgery

**Yashobha Ranaweera, Biomedical Research**

**Capstone:** Characteristics and Predictors of Invasive Placenta Disease Diagnosed Prenatally

**Mentor:** Adetola Louis-Jacques, USF Dept. of Obstetrics and Gynecology

**Samuel Reynolds, SELECT**

**Title:** Diabetes Predisposes Patients to Atrial Fibrillation after Robotic-Assisted Video Thoracoscopic Pulmonary Lobectomy

**Mentor:** Eric M. Toloza, MD, PhD, Dept. of Thoracic Oncology, H. Lee Moffitt Cancer Center

**Samuel Reynolds and Randall Chan, SELECT**

**Capstone:** The Information-seeking Behavior of Physicians Regarding Benefits and Harms of Treatments at Lehigh Valley Health Network (LVHN)

**Mentors:** Rahul Mhaskar, MD, MPH, PhD, USF Dept. of Evidence-Based Medicine, Brian Bennett, M.Ed., LVHN, Bryan G Kane, MD, FACEP- LVHN Dept. of Emergency Medicine

**Andres Santayana**

**Title:** The Effect of CareMessage Text Reminders on BRIDGE Clinic No-Show Rates

**Mentor:** Eduardo Gonzalez, MD, FAAFP, USF Dept. of Family Medicine

**Pooja Shankar, SELECT**

**Title:** QI Assessment of Attending Physician Burnout at Lehigh Valley Health Network (LVHN) Using the Maslach Burnout Inventory (MBI)

**Mentor:** Suzanne Templer, DO, LVHN Dept. of Infectious Disease

**Jennifer Shields, SELECT**

**Title:** Medication Reconciliation Discrepancies in EMR and Transitions of Care in Inpatient Pediatrics

**Mentor:** Scott Brenner, MD, Dept. of Pediatrics, Lehigh Valley Hospital Inpatient Care

**Andrew Steele, SELECT**

**Capstone:** Comparison of Complication Rates for Different Surgical Treatments in the Management of Hidradenitis Suppurativa

**Mentor:** Robert Murphy, MD, LVHN Dept. of Surgery

**Thanhnga Doan, SELECT**

**Capstone:** Association of Pregnancy Related Complications and Increased Risk of Cardiovascular Disease in Women: What do Providers Know and Need to Address the Issue?

**Mentor:** Amy Ahnert, MD, LVHN Dept. of Cardiology

**Adel El Sayed, Innovation, Entrepreneurship & Business in Medicine**

**Capstone:** Cost Burden of Negative Coronary Angiography in Hospitalized Patients with Suspected Ischemic Heart Disease

**Mentor:** Michael Berlowitz, MD, USF Dept. of Cardiology

**David Farzam, SELECT**

**Capstone:** Using Neural Networks and Logistic Regression to Predict Septic Shock in ICU Patients

**Mentor:** Anthony Ardire, MD, MPH, CPE, SVP, LVHN Quality & Patient Safety

**Benjamin Ferry, SELECT**

**Capstone:** A Patient- and ED Provider-Focused Qualitative Needs Assessment Regarding Pediatric Sports-related Concussion Care at Lehigh Valley Health Network

**Mentor:** Neil Mathews, MD, LVHN Dept. of Family Medicine

**Shawna Foley, International Medicine**

**Capstone:** Mothers for Mutare: Community-based RUTF Manufacture and Nutrition Training for Relief of Pediatric Malnutrition in Mutare, Zimbabwe

**Mentor:** Lynette Menezes, PhD, Vice President, Medicine International, USF Dept. of Internal Medicine

**Brittany Gozlan, Health Disparities**

**Capstone:** Weight Perception among NYC Public Housing Residents: Do Neighborhood Obesity Prevalence and Activity Space Size Influence Weight Perception?

**Mentors:** Laurie Woodard, MD, and Richard Roetzheim, MD, USF Dept. of Family Medicine, and Dustin T. Duncan, ScD. Department of Population Health, NYU School of Medicine

**Jessica Glover, Biomedical Research**

**Title:** Smoking History as a Risk Factor for Development of Atrial Fibrillation following Robotic-Assisted Video-Thoracoscopic Pulmonary Lobectomy

**Mentor:** Eric M. Toloza, MD, PhD, Dept. of Thoracic Oncology, H. Lee Moffitt Cancer Center

**Danielle Grams**

**Title:** Cunninghamella as a Cause of Sudden Paraplegia in an Immunocompromised Patient

**Mentor:** John Greene, MD, Division of Infectious Disease, H. Lee Moffitt Cancer Center

**Stefanie Grewe, Medical Humanities**

**Capstone:** The Journey Home: The Humanism of Life After War

**Mentors:** Brooke T. Baldwin, MD, Dermatology Service, James A. Haley V.A. Hospital, Tampa, FL

**Alexander Guillaume, SELECT**

**Capstone:** Gender Differences in CDC Guideline Compliance for STIs in Emergency Departments

**Mentors:** Bryan G. Kane MD, Elizabeth M. Evans DO, Terrence E. Goyke DO, Jessica K. Eygnor DO, Lauren Semler MS, Stephen W. Duza DrPH; Marna Rayl Greenberg DO, MPH, Lehigh Valley Health Network

**Brennan Hyler, Biomedical Research**

**Capstone:** Prostatic Urethral Lift: A Minimally Invasive Procedure for Benign Prostatic Hyperplasia Without Sexual Function Compromise

**Mentor:** Rafael E. Carrion MD, USF Dept. of Urology

**Muhammad Jaffer, Health Systems Engineering**

**Capstone:** Implementing an Algorithm for Diagnosis and Treatment of Influenza at the James A. Haley Veterans' Hospital

**Mentors:** Alexander Reiss, MD, CPSS USF Dept. of Internal Medicine, James A. Haley V.A. Hospital, Tampa, FL

**Emma Jones, SELECT**

**Capstone:** Direct to OR Resuscitation: A Reevaluation 20 Years after Implementation at LVHN

**Mentor:** Joseph Stirparo, MD, LVHN Dept. of Surgery

**Ryan Kaufman, Health Systems Engineering**

**Capstone:** Assessing the Fluid Intake of Geriatric Psychiatry Inpatients

**Mentors:** Regina Velasco, DO, USF Dept. of Psychiatry and Neurosciences, James A. Haley V.A. Hospital, Tampa, FL

**Edward Keshishian**

**Title:** Imaging Features of Epithelioid Hemangioendothelioma with Pulmonary and Hepatic Involvement

**Mentors:** Chris DeClue MD, USF Dept. of Radiology, Leena Kamat MD, Moffitt Cancer Center and Rajendra Kedar MD, USF Dept. of Radiology

**Neha Kohli, SELECT**

**Capstone:** Can Education and the Reinforcement of a Bladder Program Improve Rehabilitation Patient Outcomes?

**Mentor:** Leigh-Ann Piechta, DO, LVHN Dept. of Psychiatry

**Aaron Krueger, SELECT**

**Capstone:** Assessment for Physician Awareness of Psychiatry

**Mentor:** Wayne Dubov, MD, LVHN Dept. of Psychiatry

**Deepika Kulkarni**

**Title:** An Atypical Presentation of Skeletal Muscle Metastases in the Setting of Squamous Cell Carcinoma of the Penis

**Mentors:** Jamie Caracciolo MD, and Michelle Tulang MD, H. Lee Moffitt Cancer Center, Chris DeClue MD, and Midhir J. Patel MD, USF Dept. of Radiology

**Jennifer Le, Biomedical Research**

**Capstone:** Asymmetric Synthesis of Amitifadine: A New Approach Via Metal-loradical Cataysis

**Mentor:** Peter Zhang, PhD, USF Dept. of Chemistry

**Veniamin Mayevskiy, SELECT**

**Capstone:** Assessment of Potential Risk Factors Involved in 30-Day Adult Inpatient Psychiatric Readmission Rate

**Mentor:** Katherine Martin, MD, LVHN Dept. of Psychiatry

**Kathleen McFadden, SELECT**

**Capstone:** A Demographic Description of the Response of Stage IV Primary Right and Left Sided Colon Malignancies to Therapeutic Intervention within Lehigh Valley Health Network

**Mentors:** Ramona Chase ANP-BC, DNP, and Ranju Gupta MD, LVHN Dept. of Hematology/Oncology

**Bradford Miller, Biomedical Research**

**Title:** Compassionate Use of D-mannose in a Pediatric Patient with Congenital Disorder of Glycosylation Type 1k

**Mentor:** Amarilis Sanchez-Valle, MD, USF Dept. of Pediatrics

**Mayssan Muftah**

**Title:** Pruritic Pustules: An Atypical Presentation of Cutaneous IgA Vasculitis

**Mentor:** Lucia Seminario-Vidal, MD, PhD, USF Dept. of Dermatology and Cutaneous Surgery

**Andrew Napier, SELECT**

**Capstone:** Multifactorial Approach to Opioid Abuse within the Emergency Department

**Mentor:** Robert Cannon, DO, LVHN Dept. of Emergency Medicine

**Emily Ng, Biomedical Research**

**Capstone:** Effect of Age on Risk for Atrial Fibrillation following Robotic-Assisted Video-Thoroscopic Pulmonary Lobectomy

**Mentor:** Eric M. Toloza, MD, PhD, Dept. of Thoracic Oncology, H. Lee Moffitt Cancer Center

**Holly O'Brien, Health Disparities**

**Capstone:** Standardization of Blood Pressure Management in Cedro Galan, a Semi-Rural Community in Nicaragua

**Mentor:** Elimarys Perez-Colon, USF Dept. of Internal Medicine

**Ariel Penaranda, SELECT**

**Capstone:** Reducing Unanticipated Pediatric Transfers to Higher Level Care by Improving Admission Triage

**Mentor:** Liborio LaRussa, MD, LVHN Dept. of Pediatrics

**Thanh-Phuong (Kaylee) Pham, International Medicine**

**Capstone:** Hypertension in Dilaire, Haiti: The Impact of Global Healthcare

**Mentors:** Javier Cuevas, PhD, USF Dept. of Molecular Pharmacology and Physiology

**Alexandra Podlaski, SELECT**

**Capstone:** Determining feasibility of using video-capture and blinded observer evaluation to measure technical proficiency in the credentialing of surgeons

**Mentor:** Joseph Patrino, MD, LVHN Dept. of Obstetrics and Gynecology