

## Faculty

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Overview

Faculty Profiles

Department  
Chairs

Endowed Chairs  
& Professorships

Faculty  
Education

### Surgery - All Faculty

Full Time Part Time Volunteer Fellows

Akam, Eftikhar A., DO, Visiting Instructor



**Antalis, Toni M., PhD, Professor**  
410-706-8222  
tantalis@som.umaryland.edu  
Keywords: thrombosis, ovarian cancer, fibrinolysis, coagulation, membrane serine protease, protease-activated receptor, PAR

Bai, Jennifer, MD, Assistant Professor



**Banerjee, Anirban, PhD, Assistant Professor**  
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anirban.banerjee@som.umaryland.edu

Bennett-Grobicki, Christian A., MD, Visiting Instructor

Berhane, Tsion, MD, Assistant Professor



**Bhati, Chandra S., MS, MBBS, Professor**

Bonatti, Hugo, MD, Associate Professor



**Boswell, Kimberly A., MD, Associate Professor**  
kboswell@em.umaryland.edu



**Bromberg, Jonathan S., MD, PhD, Professor**  
410-328-0008  
jbromberg@som.umaryland.edu  
Keywords: Transplantation, Immunology, Tolerance, Migration, Microbiota



**Brown, James M., MD, Professor**  
410-328-5842  
jmbrown@som.umaryland.edu

Buchanan, Laura S., MD, Assistant Professor



**Cain, Christian D., MD, Assistant Professor**  
410-328-7611  
christian.cain@som.umaryland.edu  
Keywords: Acute Care Surgery, Trauma, Surgical Critical Care, Health Disparities, Health Equity, Patient-Provider Communication, Outcomes Research, Critical Care Nutrition, Bias in Medicine, Diversity Equity and Inclusion, Emergency General Surgery, Liver Trauma, Public Health,  
Epidemiology

Cheung, Nora Ham-Ting, MD, Assistant Professor

Chiu, William C., MD, Professor

(410) 328-9878  
wchiu@som.umaryland.edu  
Keywords: Neuroendocrine Function in Sepsis, Neuroimmunomodulation in Circulatory Shock, Mitochondrial Injury in Shock

Chung, C. Yvonne, MD, MPH, Assistant Professor

Clark, Jaclyn, MD, Assistant Professor



**Crowley, Helena M., MD, PhD, Assistant Professor**  
410-328-5730  
hcrowley@mail.umaryland.edu



**Davis, Jeremy L., MD, Professor**  
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[jeremy.davis@som.umaryland.edu](mailto:jeremy.davis@som.umaryland.edu)

Keywords: cancer research, stomach cancer, gastric cancer, lobular breast cancer, CDH1 gene mutations



**Desikan, Sarasijhaa K., MD, Associate Professor**

(410) 328-5840

[sdesikan@som.umaryland.edu](mailto:sdesikan@som.umaryland.edu)

Keywords: Carotid artery stenosis, Aortic aneurysms, Dialysis access, Peripheral arterial disease, Venous disease, Vascular trauma

**Drogula, Cynthia L., MD, Assistant Professor**



**Efron, David T., MD, Professor**

410-328-3495

[defron@som.umaryland.edu](mailto:defron@som.umaryland.edu)

Keywords: Abdominal, Hernia, Gastrointestinal, wound healing, Trauma, interpersonal violence, outcomes disparities,

**Egyud, Matthew R., MD, Assistant Professor**



**Englum, Brian Robert , MD, MHS, Associate Professor**

410-328-5730

[benglum@som.umaryland.edu](mailto:benglum@som.umaryland.edu)

Keywords: Complex congenital anomalies, pediatric surgical oncology, pediatric colorectal surgery, pediatric thoracic surgery, minimally invasive surgery, health services research, comparative effectiveness research, big data analysis

**Fitzpatrick, James L., MD, Assistant Professor**

**Forbess, Joseph M., MD, MBA, Professor**

**Fox, Charles J., MD, Professor**

410-328-5840

[charles.fox@som.umaryland.edu](mailto:charles.fox@som.umaryland.edu)

Keywords: Resuscitation, Trauma, Endovascular, Vascular Surgery



**Gambert, Steven R., MD, Professor**

(410) 328-1143

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Keywords: Dr. Gambert has focused his research efforts on Endocrine Aspects of Aging including aspects of thyroid and neuropeptide function in response to stress/nutrition; successful aging; atypical presentation of illness in the elderly; health care services for the elderly; trauma care in the elderly; and medical education.

**Garstka, Meghan Elizabeth , MD, Assistant Professor**

Keywords: breast cancer, breast surgical oncology, clinical outcomes, patient-reported outcomes, cost-effectiveness, health equity

**Gens, David R., MD, Professor**

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[dgens@umm.edu](mailto:dgens@umm.edu)

**Ghneim, Mira H., MD, MS, MPH, Associate Professor**

410-328-7611

Keywords: Acute Care and Emergency Surgery, Shock Trauma, Acute Care Surgery, Emergency General Surgery, Surgical Critical Care, ACES



**Griffith, Bartley P., MD, Professor**

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[bgriffith@som.umaryland.edu](mailto:bgriffith@som.umaryland.edu)

Keywords: Cardiac Xenotransplantation Artificial organ transplantation Artificial heart and artificial lung development Systems for pediatric heart and lung support

**Guan, Hannah H., MD, Assistant Professor**



**Gupta, Saurabh , MD, Instructor**

410-328-5840

[SaurabhGupta@som.umaryland.edu](mailto:SaurabhGupta@som.umaryland.edu)

Keywords: Aortic Disease, Complex Open and Endovascular Aortic Surgery, Graft Infections



**Han, Dong , PhD, Assistant Professor**

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**Harfouche, Melike N., MD, MPH, Assistant Professor**

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Keywords: Injury Prevention, Gun Violence, Hemorrhage Control, Pancreatitis



**Hendrix, Cheralyn J., MD, Assistant Professor**



**Henry, Gavin L., MD, Assistant Professor**



**Henry, Sharon M., MD, Professor**

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**Holliday, Tyler L., MD, Assistant Professor**

**Holsten, Steven B., MD, MBA, Professor**  
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Keywords: Acute Care Surgery, Emergency General Surgery, ACES, Surgical Critical Care, Shock Trauma



**Hu, Fu M., PhD, Professor**  
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**Hu, Yin, MD, Associate Professor**  
410-328-6187  
Yinin.Hu@som.umaryland.edu  
Keywords: cancer, comparative effectiveness, cost effectiveness, patient-reported utilities, decision-analysis, quality-adjusted life-years, quality of life, cumulative sum, learning curve, utilization trends

**Iacono, Stephen A., MD, Visiting Instructor**



**Jarrell, Bruce E., MD, Professor**  
410-706-2304  
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**Johnson, Harry W., MD, Associate Professor**  
667-214-1411  
hjohnson@fpi.umaryland.edu  
Keywords: Hysteroscopy, Laparoscopic Surgery/Pelvoscopy, Minimally Invasive Surgery, Pelvic Organ Prolapse, Pelvic Reconstructive Surgery, Urinary Incontinence, Urogynecology



**Jolissaint, Joshua S., MD, MSc, Assistant Professor**

**Karowski, John, MD, Associate Professor**



**Kavic, Stephen M., MD, Professor**  
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**Khan, Mohammad Afzal, MSc, PhD, Assistant Professor**  
4107063550  
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Keywords: Transplantation, Immune tolerance, Regulatory T cells, Complement cascade.



**Kim, Ann H., MD, Assistant Professor**



**Kozar, Rosemary A., MD, PhD, Professor**  
410-328-3495  
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Keywords: hemorrhagic shock, syndecan-1, endothelial dysfunction, injured elderly

**Krause, Eric M., MD, JD, Assistant Professor**



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**Lal, Brajesh K., MBBS, Professor**  
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**Lamarinis, Grigorios A., MD, PhD, Associate Professor**  
410-328-3058



**Lau, Christine L., MD, MBA, Professor**  
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Keywords: Regadenoson in Human Lung Transplantation, lung cancer screening, transtracheal oxygen, scoop catheter, photodynamic therapy, endoscopic bronchial ultrasound, ebus, thoracic surgery



**Ley, Eric J., MD, Professor**



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**Lumpkins, Kimberly M., MD, MBA, Professor**  
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Keywords: hernia, hydrocele, undescended testis



**Lutton, Evan M., MD, PhD, Visiting Instructor**

**Malik, Saad Ahmed , MBBS, Assistant Professor**



**Maluf, Daniel G., MD, Professor**



**Mas, Valeria R., PhD, Professor**

**Massey, Howard T., MD, Professor**



**Mei, Zhongcheng , MD, Assistant Professor**  
(410)-706-3543  
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Keywords: Lung Transplantation; Eosinophils; Transplant Immunology; CD8+ T Cells; CD4+ T cells; Immune Regulation; Myeloid Cells; Inducible Nitric Oxide Synthase (iNOS); Graft Acceptance; Tolerance Maintenance; Lung Resection.



**Meier, Raphael P.H., MD, PhD, Associate Professor**  
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Keywords: Liver transplantation, Kidney transplantation, Pancreas and islet cell transplantation, Mesenchymal stem cells

**Michetti, Christopher P., MD, Professor**



**Mohiuddin, Muhammad M., MBBS, Professor**  
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Keywords: Cardiac xenotransplantation, immunosuppressive therapy, surgical procedures in large and small animal models, B cell immunology, immunomodulation, bone marrow transplantation

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**Morris, Rachel S., MD, Associate Professor**

**Murthi, Sarah B., MD, Professor**



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Keywords: benign prostatic hyperplasia, prostate cancer

**Neuzil, Daniel , MD, Associate Professor**  
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**Niederhaus, Silke V., MD, Professor**  
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Keywords: kidney transplant pancreas transplant dialysis access

**Nurudeen, Suliat Mayowa , MD, MPH, Assistant Professor**



**Paluskiewicz, Christina M., MD, Assistant Professor**  
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**Piao, Wenji , DrMed, BM, Assistant Professor**  
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Keywords: Regulatory T cell lymphatic migration, and the lymphotoxin beta receptor (LTβR) signaling in endothelial cells (EC).



**Powell, Elizabeth K., MD, Associate Professor**  
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Keywords: emergency medicine, cardiac surgery icu, critical care resuscitation unit, shock trauma

**Powers, Benjamin D., MD, Assistant Professor**  
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Keywords: Gastrointestinal cancer, stomach cancer, pancreas cancer, small bowel cancer, colon cancer, rectal cancer, peritoneal disease, cancer care delivery, surgical quality.

**Rabin, Joseph , MD, MS, MIA, Associate Professor**



**Rada, Erin M., MD, Assistant Professor**  
410.328.2360  
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Keywords: Plastic surgery, pediatric plastic surgery, craniofacial surgery, craniosynostosis, cleft care, skin cancer, melanoma, basal cell carcinoma, squamous cell carcinoma, head and neck surgery, cosmetic surgery, nonoperative facial rejuvenation

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**Ribeiro, Marcelo A.F. , MD, MSc, PhD, Professor**  
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Keywords: Hemorrhagic shock, coagulopathy, REBOA, HPB trauma, frailty, soft tissue infection

**Robinson, Jacqueline M., MD, Visiting Instructor**



**Sarkar, Rajabrat , MD, PhD, Professor**  
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Keywords: Blood vessel growth, blood vessel development, vascular surgery



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Keywords: Emergency Medicine, Shock Trauma, Trauma Surgery, Spinal Cord Injury, Shock, Critical Care



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**Shah, Aakash , MD, MS, Assistant Professor**



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Keywords: Prostate cancer, Bladder cancer, Testicular cancer, Kidney cancer, Adrenal cancer, Robotic Surgery, Prostate focal therapy, Diet and cancer, Urologic oncology, Minimally invasive urologic surgery, MRI Fusion guided prostate biopsy, Magnetic resonance imaging,



**Singh, Avneesh Kumar , PhD, Associate Professor**  
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**Stein, Deborah M., MD, MPH, Professor**  
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Keywords: Traumatic Brain Injury, Hemorrhagic Shock, Biomechanics of Injury, Patient centered research



**Stewart, Shelby J., MD, Associate Professor**  
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Keywords: Robotic Surgery, Lung Cancer, Lung Nodules, Mediastinal Tumors, Esophageal Disease (Benign), Chest Wall Deformities, Malignant Pleural effusions, Pneumothorax, Esophageal Cancer, Thymic Cancer, Thymoma



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Keywords: Lipoprotein receptors, vascular disease, thrombosis, atherosclerosis, aneurysms, Alzheimer's disease

**Strong, Bethany L., MD, MS, Assistant Professor**

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**Sundaram, Magesh , MD, MBA, Associate Professor**



**Terhune, Julia H., MD, Assistant Professor**  
410 328-7320  
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Keywords: Melanoma Sarcoma Peritoneal surface malignancies Tumor Immunology Regional cancer therapies



**Tisherman, Samuel A., MD, Professor**  
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Keywords: hemorrhagic shock, cardiac arrest, therapeutic hypothermia, education, surgical skill, simulation



**To, Kathleen B., MD, Associate Professor**



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**Wang, J-Y , MD, PhD, Professor**  
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Keywords: Gut Mucosal Regeneration; Gut Barrier Function; Mucosal Injury and Repair; RNA-Binding Proteins; Noncoding RNAs; Polyamines



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Keywords: mri, carotid artery, atherosclerotic disease

**Williams, Richelle T., MD, Assistant Professor**



**Wiseman, James E., MD, MBA, Assistant Professor**  
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Keywords: Cerebral venous thrombosis, abdominal core health, deep venous thrombosis in pregnancy, bladder trauma, abdominal reconstruction, resident education, POCUS



**Wu, Zhongjun Jon , PhD, Professor**  
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Keywords: Development of Artificial Organs: Ventricular Assist Devices, Blood Pumps, Artificial Lungs, Respiratory Assist Devices, Computational Modeling and Design Optimization of Blood Contacting Medical Devices, Blood Flow, Flow Visualization, Blood Damage, Cell Mechanics, Cardiac Biomechanics, Hemodynamics, Biological Responses to Artificial Organs in Human and Animals, Animal Models for Cardiovascular/Lung Diseases and Development of New Treatment Technologies, Stem Cell Therapies for Heart and Lung Diseases

**Xiao, Lan , BM, Assistant Professor**



**Xu, Kai Y., PhD, Associate Professor**  
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Keywords: Heart Failure, Kidney Failure, Thrombosis, Diabetes, Immunotherapy



**Zhang, Li , PhD, Professor**  
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Keywords: Cardiovascular diseases, Autoimmunity, inflammation, stem cells, macrophages, integrin, cell adhesion



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