



UNIVERSITY of MARYLAND
SCHOOL OF MEDICINE

MEDICINE MATTERS

Department of Medicine
July 2026 Newsletter



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Message from the Chair

Dear Colleagues,

It is my great pleasure to welcome you to the inaugural issue of *Medicine Matters*. This newsletter serves as our central hub to celebrate achievements, share critical updates, and foster a deeper sense of community across our entire department.

Every day, our faculty, trainees, and staff demonstrate an unwavering commitment to excellence in clinical care, groundbreaking research, and the education of tomorrow's medical leaders. This newsletter is designed to amplify those efforts, keeping you informed, connected, and inspired by the remarkable work happening across all our divisions.

In each upcoming issue, you can expect:

- *Faculty and Staff Spotlights* – Celebrating personal and professional milestones
- *Research and Innovation Updates* – Highlighting recent grants, publications, and clinical breakthroughs
- *Educational Highlights* – Showcasing updates from our residency and fellowship programs
- *Strategic Announcements* – Providing updates on departmental goals and institutional initiatives

As we launch this important platform, we also remain focused on advancing our broader mission and strengthening the foundation of our department. Key priorities include:

- **Advancing Clinical Excellence** - Enhancing patient-centered care, quality, and safety
- **Driving Research Innovation** - Expanding translational and clinical research while fostering collaboration
- **Educational Leadership** - Supporting excellence in training and mentorship across all levels
- **Faculty and Workforce Development** - Recruiting, retaining, and developing outstanding talent
- **Health Equity and Community Impact** - Addressing healthcare disparities and strengthening community engagement
- **Operational Excellence and Growth** - Improving integration, efficiency, and strategic expansion
- **Culture and Engagement** - Promoting a collaborative, inclusive, and supportive environment

Thank you for your dedication to our mission and for the profound impact you make on our patients, learners, and colleagues every day. I encourage you to engage with this newsletter and ask that you share your accomplishments, recognize your peers, and help us continue building a strong and connected community.

I hope you find *Medicine Matters* informative, engaging, and a source of pride in all that we accomplish together.

Warm regards,

Roberto F. Machado, MD
Theodore E. Woodward Professor of Medicine
Chair, Department of Medicine
University of Maryland School of Medicine
Physician in Chief, University of Maryland Medical Center

New Faculty

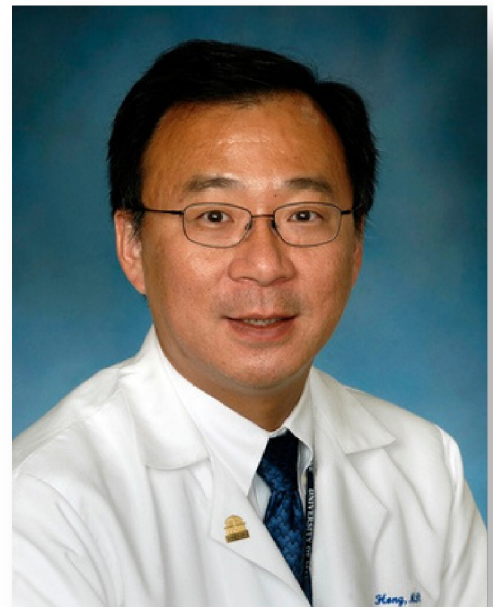
On April 6, 2026, we were thrilled to welcome Dr. Nisa Maruthur to the Division of Hospitalists and General Internal Medicine. Dr. Maruthur joined us as Division Chief and Vice Chair for Clinical Operations in the Department of Medicine, bringing exceptional leadership experience and a distinguished career in academic internal medicine.

Dr. Maruthur comes to UMSOM from the Johns Hopkins University School of Medicine, where she served in numerous leadership roles, including Director of Community Program Implementation, Medical Director of the Hopkins Diabetes Prevention Program, Director of the General Internal Medicine Fellowship Program, Medical Director of General Internal Medicine at Greenspring Station, and Executive Director of the Hopkins Brancati Center for the Advancement of Community Care. A nationally recognized expert in diabetes and obesity prevention, she has published extensively and contributed to the work of the American Diabetes Association, European Association for the Study of Diabetes, International Society for Pediatric and Adolescent Diabetes, and the Society of General Internal Medicine.

We also extend sincere appreciation to Dr. John Hong, whose dedicated service as Interim Chief over the past two years has strengthened the division's clinical operations and provided invaluable leadership. We are grateful for his continued commitment as he supports Dr. Maruthur in this transition, as well as serving as the Vice Chair of Data, Quality, and Analytics for the Department of Medicine.



NISA M. MARUTHUR, MD, MHS
Division Chief
Division of Hospitalist and General Internal Medicine
Vice Chair of Clinical Operations



JOHN J. HONG, MD
Associate Professor
Division of Hospitalist and General Internal Medicine
Vice Chair of Data, Quality and Analytics



CARDIOVASCULAR MEDICINE

Umama Gorski, MBBS
Leili Behrooz, MD, MPH
Muhammad Saad, MBBS
Muhammad Butt, MD, MS, FHRS
Sakeina Howard-Wilson, MBS, DO
Radhika Kuna, MD
Daniel Forman, MD
Devora Leventhal, DO
Jae-Hoon Chung, MD, PhD
Manjula Ananthram, MBBS

ENDOCRINOLOGY, DIABETES & NUTRITION

Hannah Day, PhD
Qixin Leng, PhD
Varun Kavuru, MD, MS

GASTROENTEROLOGY & HEPATOLOGY

Aline Charabaty, MD
Cerise Kleb, MD
Alla Turshudzhyan, DO
Ahmad Narwaz, MBBS
Tamasha Persaud, MD

GERONTOLOGY, GERIATRICS & PALLIATIVE MEDICINE

Jade Walden, MD

HEMATOLOGY/ONCOLOGY

Madelyn Klugmann, MD
Sarah Sammons, MD
Dipesh Uprety, MBBS
Xiaolei Shi, BM, PhD
Enrico Novelli, MD

HOSPITALIST & GENERAL INTERNAL MEDICINE

Atika Malik, MBBS
Nziavake (Nicole) Masimasi, MD
Ashley Gordon-Phillips, MD
Maidah Raja, MD
Natesh Sudarshan, MD
Ramya Vasireddy, MBBS
Anna Prohl, MD
Renu Thomas, MBBS
Nicholaus Christian, MD
Mona Krouss, MD

INFECTIOUS DISEASES

Tara Palmore, MD
Luke Pryke, MD

PULMONARY, CRITICAL CARE & SLEEP MEDICINE

Caitriona Buckley, MD
Roxana Amirahmadi, MD
Marta Gomes, PhD
Kelly Schweitzer, MS, PhD
Michael Lu, MD
Nal Kotagiri, PhD
Zachary Wynne, MD
Anantha Charya, MD
Allison LaRocco, MD
Albahi Malik, MBBS
Katherine Gardner, MD
Katherine Shutta, PhD
Sonal Mallya, MD, MHS
Miyant'e Newton, MD
Kristyn McLeod, MD

RHEUMATOLOGY, ALLERGY & CLINICAL IMMUNOLOGY

Ashika Ajitkumar, MBBS
Omer Pamuk, MD
Ikechukwu "Ike" Mbonu, MD



DOM Wins

SPIRIT OF EXCELLENCE AWARD

This year, several of our practices have once again been recognized with the University of Maryland Faculty Physicians SPIRIT of Excellence Award, a distinction that reflects exceptional performance, patientcare, and service excellence. These accomplishments are a testament to the consistent pursuit of excellence demonstrated every day by our physicians, advanced practice providers, nurses, medical assistants, administrative staff, and all who support these practices.

Award Recipients:

Cardiology Reisterstown – 15 consecutive years

Cardiology Redwood (CAC) – 5 consecutive years

FPO Redwood – 4 consecutive years

GIM Owings Mills – first year

FACULTY AWARDS AND RECOGNITION



BRADLEY MARON, MD
CARDIOVASCULAR MEDICINE
Editor of Circulation, May 2026



ALINE CHARABATY, MD
GASTROENTEROLOGY & HEPATOLOGY
Recipient of American Gastroenterological Association (AGA) - Pfizer
Beacon of Hope Award for Gender and Health Equity



AMED OUATTARA, PHD, MSC, PHARMD
GEOGRAPHIC MEDICINE
Awarded funding through the MPower Early Scholars Investment Fund.



WILBUR CHEN, MD, MS

GEOGRAPHIC MEDICINE

Received the 2026 Best Scientific Publication of the Year for his high-impact Infectious Diseases Clinical Research Consortium (IDCRC) - cited Lancet publication that has significantly influenced the scientific community and contributed to policy change at the Annual IDCRC meeting



MEAGAN DEMING, MD, PHD

GEOGRAPHIC MEDICINE

Accepted into the Dean's Leadership Council



JUSTIN ORTIZ, MD, MS

GEOGRAPHIC MEDICINE

Chaired the joint American Thoracic Society (ATS), American Academy of Allergy, Asthma and Immunology (AAAAI), American College of Chest Physicians (CHEST), and Society of Critical Care Medicine (SCCM) Vaccine Guidance Review Panel, which is charged with developing joint society vaccine policy recommendations.



TERRY J. WATNICK, MD

NEPHROLOGY

Elected to the Association of American Physicians (APP)



JANAKI DEEPAK, MBBS

PUMONARY, CRITICAL CARE & SLEEP MEDICINE

ACP Governor-Elect Maryland

As Governor, Dr. Deepak will serve as the official representative of the College for the Maryland Chapter, providing a link between members at the local level and leadership at the national level



ASHIRA BLAZER, MD

RHEUMATOLOGY

Awarded a New Genentech Education Grant to support UM Lupus Care Program

Upcoming Events

DEPARTMENT OF MEDICINE GRAND ROUNDS

Mark your calendar to join us at our Department of Medicine Grand Rounds which are held weekly on Wednesdays at noon in the Shock Trauma Auditorium (T1R18) unless otherwise noted

Upcoming Speaker:

Date: July 15, 2026 at 12:00 pm

Speaker: Bing Guo, MD, PhD

Assistant Professor of Medicine, Division of Geographic Medicine and Center for Vaccine Development and Global Health, Department of Medicine, University of Maryland School of Medicine

Title: *Advancing Malaria Parasite Genomic Surveillance Using Identity-by-Descent-Based Methods*



Unable to attend in person? Join us via [Zoom](#); Password is 5678

HOW THE AMISH RESEARCH CLINIC CAN ADVANCE YOUR RESEARCH

Date: August 11, 2026

Time: 12:00 PM | Zoom Webinar

Speakers:

Braxton D. Mitchell, PhD, MPH

Professor, Department of Medicine; Vice Chair for Research, Division of Endocrinology, Diabetes & Nutrition, UMSOM

Amber L. Beitelshees, PharmD, MPH, FAHA, FCCP

Professor, Department of Medicine, UMSOM



Presented as part of the UMB Institute for Clinical & Translational Research (ICTR) Enrichment Series.

[Register now](#)

SAVE THE DATE: DEPARTMENT OF MEDICINE STATE OF THE DEPARTMENT

Kindly save the date for our Department of Medicine's State of the Department, hosted by Dr. Roberto Machado.

Date: Tuesday, September 29, 2026

Time: 4:00 PM

Additional details will be shared soon. We are excited to see everyone in September!

SAVE THE DATE: FRONTIERS IN VACCINOLOGY

Mark your calendars for **September 30–October 1, 2026**, and join the Center for Vaccine Development and Global Health for our annual Frontiers in Vaccinology Symposium.

This year's keynote address will be delivered by: **Jeanne Marrazzo, MD, CEO** of the Infectious Diseases Society of America.



Education News

MATCH RESULTS 2026

48 New Interns from 38 Medical Schools

34 Categorical | 4 Med-Peds | 2 EMIM | 8 Preliminary Interns | 7 Prelim-Neurology | 8 Prelim-Anesthesiology

This success wouldn't have been possible without the enthusiasm and engagement of our fabulous Associate Program Directors - **Susan Wolfsthal, Kathryn Silva, Christina Koch, Bernie Siaton, Elizabeth Eden, Ravi Tripathi** and **Nidhi Goel** - who spent countless hours reviewing applications, interviewing every week, and thoughtfully ranking candidates. A special shoutout to our Education Staff, who worked tirelessly behind the scenes throughout this recruitment season. And finally, thank you to our Residents - they are truly what makes our program shine.

Categorical Internal Medicine

Abdolzadeh, Ehsan
Drexel University College of Medicine
Al Dheem, Hassan
Imam Abdulrahman Bin Faisal University
Alkhalifa, Hussain
King Faisal University College of Medicine in Al-Ahsa
Almesned, Mohammad
Rijksuniversiteit Groningen
Alrashidi, Omar
Medical University of Warsaw
Altman, Jessica
Tulane University School of Medicine
Alzahrani, Muhanad
King Saud Bin Abdulaziz University for Health Sciences
Amin, Aesha
Virginia Commonwealth University School of Medicine
Amini, Cameron
University of Maryland School of Medicine
Ball, Juan
Lewis Katz School of Medicine at Temple University
Carolina, Kevin
Sidney Kimmel Medical College at Thomas Jefferson University
Childress, Madison
Virginia Commonwealth University School of Medicine
Corkum, Abigail
University of Maryland School of Medicine
Dao, Jonathan
University of Texas Health Science Center at San Antonio
Desai, Jay
Drexel University College of Medicine
Elias, David
Johns Hopkins University School of Medicine
Fennell, Kaila
Saint Louis University School of Medicine
Foran, Palmer
Drexel University College of Medicine
Ghiorzi, Julianne
Eastern Virginia Medical School
Goyal, Archita
Tufts University School of Medicine
Gupta, Divya
Texas A&M University Naresh K Vashisht College of Medicine
Jones, Martin
University of Alabama School of Medicine
Kazzaz, Sarah
Pennsylvania State University College of Medicine
Kumar, Ankit
Virginia Commonwealth University School of Medicine
McCann, Brendan
University of Virginia School of Medicine
Nwaneri, Nkemjika
Pennsylvania State University College of Medicine

Odolil, Adam
George Washington University School of Medicine and Health Sciences
Ryder, Josie
Medical College of Georgia at Augusta University
Scalia, Daniel
Rutgers Robert Wood Johnson Medical School
Schepps, Samuel
Sidney Kimmel Medical College at Thomas Jefferson University
Smith, Evan
Eastern Virginia Medical School
Thompson, Annemarie
University of Texas Health Science Center at San Antonio
Ventimiglia, Mary
University of Maryland School of Medicine
Yishak, Meron
Robert Larner, M.D. College of Medicine at the University of Vermont

Medicine Pediatrics

Bailey, Shania
University of Maryland School of Medicine
Pereira, Amanda
George Washington University School of Medicine and Health Sciences
Saravanan, Madhumitha
Georgetown University School of Medicine
Wang, Jeffrey
Drexel University College of Medicine

Internal Medicine - Emergency Medicine

Fagan, Margaret
Albert Einstein College of Medicine
Petitt, Matthew
Eastern Virginia Medical School

Preliminary Internal Medicine

Crawl-Bey, Ayana
Howard University College of Medicine
Mbonu, Tobenna
Albany Medical College
Saito, Yoshine
University of Maryland School of Medicine
Schwartz, Nathaniel
Touro College of Osteopathic Medicine - New York
Shah, Kush
Eastern Virginia Medical School
Song, Tidie
University of Texas Southwestern Medical Center at Dallas Southwestern Medical School
Yang, Andrew
Drexel University College of Medicine
Young, Jordan
Howard University College of Medicine

Preliminary Internal Medicine – Neurology

Damman, Sophia
Case Western Reserve University School of Medicine
Jayakar, Gopal
Lewis Katz School of Medicine at Temple University
Magesh Kumar, Navina
Rutgers New Jersey Medical School
Marino, Loren
University of Virginia School of Medicine
Shears, D'Angelo
Howard University College of Medicine
Wogayehu, Jerusalem
Georgetown University School of Medicine
Wood, Eleanor
Drexel University College of Medicine

Preliminary Internal Medicine - Anesthesiology

Bukhari, Shazreh
Kansas City University College of Osteopathic Medicine
Enoh, Tonge
University of Pittsburgh School of Medicine
Li, Yijia
Capital Medical University
Murdock, Andeulazia
George Washington University School of Medicine and Health Sciences
Ostrowski, Christian
Virginia Tech Carilion School of Medicine
Scott, Jared
Loma Linda University School of Medicine
Tate, Wayne
Edward Via College of Osteopathic Medicine-Virginia Campus
Wilhide, Matthew
University of Maryland School of Medicine

Divisional News

CARDIOVASCULAR MEDICINE

Leadership Spotlight

Please join us in congratulating **Gautam Ramani, MD**, who has been appointed *Interim Section Chief of the Advanced Heart Failure Service*.



Reisterstown Crossing Continues to Grow!

The University of Maryland Reisterstown location has become an expanding hub for multidisciplinary care.

- Internal Medicine/Primary Care opened in Reisterstown during the first week of April 2026;
- On May 26, 2026, the Owings Mills Internal Medicine Practice officially joined the Reisterstown location, bringing teams together under one roof and enhancing access to coordinated patient care.

Today, the Reisterstown office proudly provides expert care in the following specialties:

- Cardiology
- Internal Medicine
- Pulmonary & Sleep Medicine
- Rheumatology

New Services Enhancing Patient Care

July brought several exciting additions designed to improve monitoring, engagement, and outcomes for our patients:

Chronic Care Management (CCM)

As of July 1, Chronic Care Management services are now available to eligible patients.

Ambulatory Blood Pressure Monitoring (ABPM)

Also launched on July 1:

- ~ 24-hour ABPM is now available at the Cardiac Ambulatory Clinic (CAC)
- ~ 24-hour ABPM is also available at the Reisterstown office

University of Maryland Faculty Physicians Clinic at Reisterstown Crossing

118 Westminster Pike, Suite 106
Reisterstown, MD 21136
410-876-0086

Divisional News

ENDOCRINOLOGY, DIABETES AND NUTRITION

Partner with the Amish Research Clinic for Recruitment and Study Support

The **Amish Research Clinic (ARC)** serves as a unique recruitment and research collaboration site, offering investigators access to both study participants and deeply characterized clinical, phenotypic, and genetic data. This integrated environment enables efficient recruitment while supporting exploratory analyses, feasibility assessments, and the generation of preliminary data for gene- and disease-focused research.

Investigators can engage ARC for short-term or project-based support to identify, recruit, and manage study participants. ARC's longstanding relationships with the Amish community enable efficient and respectful recruitment of participants with specific characteristics or health conditions relevant to a study.

Research Advantages

- Access to extensive longitudinal clinical and phenotypic datasets
- Availability of genetic data and curated biospecimens
- Ability to support gene- and disease-specific exploratory analyses
- Enables preliminary data generation and feasibility assessments
- Facilitates identification of well-characterized cohorts for recruitment
- Cost-effective model compared with similar research efforts in Baltimore
- ARC's longstanding relationship with the Amish community supports respectful, relationship-based recruitment
- Dedicated personnel support study management, clinical operations, laboratory coordination, and recruitment logistics
- Leveraging ARC's existing infrastructure is faster and more cost-effective than building stand-alone recruitment workflows

What can ARC support:

ARC provides end-to-end clinical research support, from study design through implementation. Services Include:

- Participant recruitment and pre-screening
- Home- and clinic-based study visits
- Questionnaire development and administration
- Blood collection and sample processing
- Physical and clinical measurements
- Bone mineral density and body composition assessment (DXA)
- Advanced clinical procedures upon request, including:
 - Oral Glucose Tolerance Tests (OGTT)
 - Intravenous Glucose Tolerance Tests (IVGTT)
 - Platelet aggregation studies
 - Other specialized procedures
- Protocol development and IRB submission support



ENDOCRINOLOGY, DIABETES AND NUTRITION

ARC Service Options

Researchers can work through iLabs to request support for the following:

Research Nurse - Participant-facing protocol support, clinical procedures, specimen collection, and visit coverage.

Research Coordinator - Scheduling, subject tracking, workflow support, documentation coordination, and study logistics.

Laboratory Technician - Study-related sample handling, processing support, and coordination with laboratory workflows.

Recruitment Services - Outreach support, pre-screening, recruitment tracking, and targeted enrollment efforts.

Data Management - REDCap data collection and management, including questionnaire development, data cleaning, and integration into analysis-ready datasets.

Why work with ARC?

We welcome conversations with faculty and study teams seeking:

- Recruitment support for clinical research studies
- Access to well-characterized study populations
- Assistance with study operations and implementation
- Opportunities for research collaboration
- Support generating preliminary data for future grant applications

Getting Started:

- Submit a request through iLabs or contact ARC to discuss your study needs.
- Provide a brief protocol summary that includes recruitment goals, timeline, and staffing needs.
- ARC will review the submitted summary and contact you to discuss potential next steps.

ARC staff will solicit input from the Amish community to assess how well the proposed project aligns with community needs and interests. ARC leadership and staff will then follow up regarding next steps, including potential assistance with study design.

Interested in Collaborating? Ready to talk? ARC can provide a fast, flexible path for recruitment support, study operations, and collaboration.

Contact ARC at ARCSTAFF@som.umaryland.edu or bmitchel@som.umaryland.edu

GASTROENTEROLOGY & HEPATOLOGY



Jean-Pierre Raufman, MD

Dr. Raufman received an award from the VA BRAVE Program for a project titled: *Combined selective M1 muscarinic receptor agonism plus M3 muscarinic receptor antagonism inhibits gastrointestinal cancer progression.*

BRAVE = Bringing Research Advancements for Veterans to Everyone!

GEOGRAPHIC MEDICINE



Kirsten Lyke, MD

Dr. Lyke in the Media:

- The Baltimore Banner, *What Marylanders need to know about hantavirus.*
- Baltimore Sun, *Maryland residents quarantined for hantavirus. Here's what to know.*
- MPT Direct Connection, *Your Health: Infectious Diseases.*
- ABC 7 WJLA, *DHS orders Ebola screening at Dulles for travelers from THESE African nations.*
- Rolling Stone, *How Worried Should We Be About the Hantavirus Outbreak?*
- Dr. Lyke was a recipient of Pivot Award from UMB for the *Evolution of Dengue Virus in Response to Host Factors, Climate Drivers and Vector Kinetics* initiative.

GEOGRAPHIC MEDICINE



Meagan Deming, MD, PhD
Citeline's In Vivo Podcast:
Building A Nasal First Line
Of Defense Against H5N1

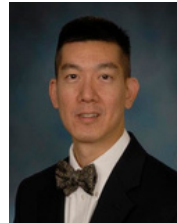


Meagan Fitzpatrick, PhD
WMAR abc2BaltimoreNews:
UMD Study: Declining Measles
Vaccinations could cost the US
economy \$7 billion by 2030



Justin Ortiz, MD, MS
Baltimore Banner: *A sniff for the*
sniffles? UMD's nasal spray could fight
flu, COVID and colds

Recipient of Pivot Award from UMB for
Maryland Respiratory Pathogen Project: A
New Platform for Respiratory Disease
Research



Wilbur Chen, MD, MS
New York Times:
A Common Stomach Bug Has
Become Harder to Treat

GERONTOLOGY, GERIATRICS AND PALLIATIVE MEDICINE

Palliative and Supportive Care

Clinical Care

- The Division continues to expand palliative care services across the University of Maryland Medical Center to improve access for patients with serious illness and other medically vulnerable populations.
- Recent efforts include expanded inpatient consultation services, development of outpatient palliative care programs, and closer collaboration with community-based palliative care and hospice partners to support continuity of care.

Education

- Education remains a core mission of our Division. We continue to welcome medical students, residents, fellows, advanced practice providers, nurses, pharmacists, social workers, chaplains, and other learners for clinical rotations and educational experiences. For information about educational opportunities or palliative care training, please contact Dr. Rachel Nathan, Director of Palliative Care Education.

GERONTOLOGY, GERIATRICS AND PALLIATIVE MEDICINE

Research

- The Palliative Care team received a **Patient-Centered Outcomes Research Institute (PCORI) Engagement Award for PEACE-PD** (Palliative Engagement and Community Education for Parkinson's Disease), a project that partners with patients, care partners, and community organizations to improve awareness of and access to palliative care for people living with Parkinson's disease.
- Members of the Palliative Care team presented the PEACE-PD initiative at the World Parkinson Congress in Phoenix, Arizona, sharing early experiences with community-engaged palliative care education and outreach.

Gerontology and Geriatric Medicine

- The University of Maryland Claude D. Pepper Older Americans Independence Center received renewal of its NIH-funded Pepper Center grant, supporting aging research aimed at preserving health, function, and independence in older adults.
- The Geriatric Medicine Fellowship Program filled all fellowship positions for the upcoming academic year with an exceptional group of incoming fellows, reflecting continued interest in training at the University of Maryland.

HOSPITALIST & GENERAL INTERNAL MEDICINE

Practice Relocation to Reisterstown Crossing

We are pleased to share that in June 2026, our FPI Primary Care practice currently located in Owings Mills relocated to our expanded Reisterstown multispecialty site at: **118 Westminster Pike, Suite 106, Reisterstown, MD 21136**. This location is part of the UM Faculty Physicians at Reisterstown Crossing and offers convenient access, free parking, and a comprehensive, multidisciplinary clinical environment. The Reisterstown site was already home to several clinical services, including the Primary Care practice where **Dr. Nicole Masimasi** began seeing patients on March 1, 2026.



We are delighted to welcome patients to our Reisterstown location and look forward to providing exceptional care to the community.

To schedule an appointment, please call 410-876-0086.

NEPHROLOGY

Mohamed Ibrahim, MD, has been awarded his PhD from Erasmus University Rotterdam. His doctoral research focused on the development of hydrogel-embedded oxygen sensors for real-time monitoring of tissue oxygenation, with applications in surgical flap monitoring and transplanted organ perfusion. He will continue to advance this work within transplant medicine and research.

Congratulations Dr. Ibrahim!



PULMONARY, CRITICAL CARE & SLEEP MEDICINE

Research Highlights



MARK GLADWIN, MD



JASON ROSE, MD, MBA

Mark Gladwin, MD, and **Jason Rose, MD, MBA**, along with their colleagues, engineered a new molecule that appears promising as an effective antidote for carbon monoxide poisoning with fewer side effects than other molecules currently being tested, according to a new study published in the journal PNAS. This breakthrough therapy rapidly clears carbon monoxide from the bloodstream, offering new hope for faster and safer treatment.



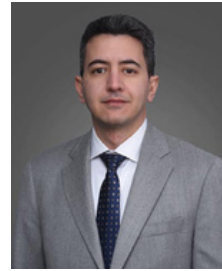
EMERSON WICKWIRE, PHD

Emerson Wickwire, PhD, and the UMD Sleep Medicine team recently led the first randomized controlled trial using smartphone-based Ecological Momentary Assessment (EMA) to evaluate treatment responses in chronic insomnia. Their study, published in **JAMA Network Open**, demonstrated that real-time digital symptom tracking can detect subtle, clinically meaningful effects that traditional questionnaires often miss. Dr. Wickwire also recently received sizable grant funding to further sleep research.

PULMONARY, CRITICAL CARE & SLEEP MEDICINE



MICHAEL KELLER, MD, MS



MUHTADI ALNABABTEH, MD

Michael Keller, MD, MS, and **Muhtadi Alnababteh, MD**, were recently featured together on *JHLT: The Podcast* to discuss their study, “*Impact of Donor-Specific Antibodies on Longitudinal Lung Function and Baseline Lung Allograft Dysfunction*.” This collaborative dialogue highlights the University of Maryland’s growing leadership in advancing lung transplant research. Additionally, Dr. Keller has been appointed Co-Medical Director of the Lung Transplant Program, serving alongside Nevins Todd, MD.

Clinical Growth

- The new University of Maryland Faculty Physicians clinic at Reisterstown Crossing is now open and accepting patients for Pulmonary and Sleep Medicine services. This new location expands access to specialized care for patients in the North Baltimore region.
- Pulmonary has expanded ICU capacity at the UMMC Midtown Campus and strengthened our nocturnal ICU coverage, enhancing overnight critical care support for patients requiring continuous, high-acuity monitoring.

New Clinical Trials Unit

BREATHE (Bringing Research Evaluation and Advanced Therapies for a Healthier Experience) is our newly created Clinical Trials Unit within UMSOM PCCSM, designed to expand access to cutting-edge therapies and research opportunities for our patients. With over 18 active clinical trials and many more in development, BREATHE is accelerating innovation and bringing forward the next generation of pulmonary and critical care treatments.

Click [HERE](#) to learn more about Pulmonary, Critical Care & Sleep Medicine Research and Clinical Trials

RHEUMATOLOGY, ALLERGY, & CLINICAL IMMUNOLOGY



Bernadette Siaton, MD, MEdHP, was selected to present on behalf of the University of Maryland School of Medicine's Office of Public Affairs & Communications regarding our Mini-Medical School Program in June. Dr. Siaton presented on "*Understanding Autoimmune Disorders: What Happens in the Body.*"

What is Mini-Med School? Offered as a public service, Mini-Med School is a lecture series provided by University of Maryland School of Medicine faculty, during which the lay public learns about diseases and their prevention. The concept of the mini-medical school was pioneered by the National Institutes of Health—a community outreach project designed to educate local participants on today's healthcare issues, thus enhancing the community's understanding of the worlds of science and medicine.

CARDIOVASCULAR MEDICINE

Damulji AA, Bruce SA, Reeves G, Pastva AM, Bertoni AG, Mentz RJ, Whellan DJ, Kitzman DW, deFilippi CR. *Circulating Biomarkers as Predictors of Improvement in Physical Function in Hospitalized Older Adults With Geriatric Syndromes: Findings From the REHAB-HF Trial*. *Circ Heart Fail*. 2026 Jan 7:e013251. doi: 10.1161/CIRCHEARTFAILURE.125.013251. Epub ahead of print. PMID: 41500239.

Moumneh MB, Forman DE, Damulji AA, deFilippi CR. *Evolving Insights Regarding Biomarkers to Better Manage Older Adults With Cardiovascular Disease*. *J Appl Lab Med*. 2025 Nov 4;10(6):1691-1702. doi: 10.1093/jalm/jfaf156. PMID: 41042245; PMCID: PMC12586009.

Memon M, Christenson RH, Jacobsen G, Apple FS, Singer AJ, Limkakeng AT Jr, Peacock WF, deFilippi CR, Miller JB, McCord J. *N-Terminal Pro-B-Type Natriuretic Peptide and B-Type Natriuretic Peptide-to-Troponin - Ratios for Differentiating Type 1 From Type 2 Myocardial Infarction: A HIGH-US Substudy*. *Crit Pathw Cardiol*. 2025 Dec 1;24(4):e0399. doi: 10.1097/HPC.0000000000000399. Epub 2025 Sep 25. PMID: 40997263.

GASTROENTEROLOGY & HEPATOLOGY

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