Investiture Ceremony to Award Konstantin G. Birukov, MD, PhD

The Anesthesiology Endowed Professorship In Entrepreneurial Research

The investiture ceremony and reception for Konstantin G. Birukov, MD, PhD was held on Tuesday, October 2, 2018 in Westminster Hall. Dr. Birukov is a Professor of Anesthesiology and Physiology, Director of the University of Maryland School of Medicine Lung Biology Research Program, and the Department of Anesthesiology Associate Chair for Basic Science Research. He was recruited to the University of Maryland School of Medicine from the University of Chicago in 2017 with more than $10 million in completed NIH-funded research and more than $1.1 million in NIH grants. He brings a rapidly developing research program in lung pathobiology and drug discovery; his research is currently supported by three NIH R01 grants and continues to rapidly develop.

Dr. Birukov has authored more than 120 peer-reviewed original research publications, serves as Editorial Board Member for the American Journal of Physiology Lung Cellular and Molecular Biology, American Journal of Respiratory Cell and Molecular Biology, Pulmonary Circulation and as a reviewer for more than 15 leading scientific journals. He has trained 24 pre-doctoral and postdoctoral fellows. (continued on page 2)
Dr. Birukov has three patents including one licensed to Millipore. Under the leadership of Dr. Birukov, the University of Maryland School of Medicine Lung Biology Research Program is quickly becoming a key element in accelerating the pace of discovery and innovation at the University of Maryland School of Medicine. Dr. Birukov is currently launching a number of initiatives to better understand the underlying molecular mechanisms associated with life-threatening lung disorders and developing new therapies to treat sepsis, acute lung injury, vascular dysfunction in traumatic brain injury, and trauma. The ceremony was hosted by Dean E. Albert Reece, MD, PhD, MBA, (Executive Vice President for Medical Affairs, UM Baltimore, and the John Z. and Akiko K. Bowers Distinguished Professor and Dean, University of Maryland School of Medicine) and Peter Rock, MD, MBA, FCCM (Chair of Anesthesiology).

Taking the Department to New Heights

In November, Dr. Konstantin Birukov and wife, Dr. Anna Birukova traveled to the Himalayan Mountains (This range has many of Earth's highest peaks, including Mount Everest) to hike Tukuche Peak. Before leaving for his expedition, Dr. Birukov was given a University of Maryland Department of Anesthesiology flag made by Projects Manager, Pamela Shinnick, to plant on the summit.

Picture: Dr. Birukov holding the Department of Anesthesiology flag at the summit of Tukuche Peak
On September 26, 2018, the Department hosted The Professors Martin Helrich and M. Jane Matjasko Annual Lecture in Anesthesiology. The annual lecture honors the two past chairs credited with having a major impact in growing both the scope and complexity of the Department’s mission.

The invited speaker was Sachin Kheterpal, MD, MBA, Associate Professor of Anesthesiology and Associate Dean for Research Information Technology at the University of Michigan Medical School; who presented a lecture entitled: “Fulfilling the Promise of Big Data Analytics: How Do We Get There From Here.” Dr. Kheterpal’s career has been focused on the novel use of IT and electronic health records for patient care, quality improvement, and research. He is recognized as a national leader in perioperative large data set clinical research and has published numerous articles, editorials and book chapters regarding intraoperative management and long-term postoperative outcomes. Using innovative techniques to integrate administrative, HER, and registry data across institutions, he leads the Multicenter Perioperative Outcomes Group, a research and quality improvement consortium of more than 40 anesthesiology and surgical departments. A reception held before the lecture was attended by many member of the department, alumni, and guests.

Martin Helrich, MD

M.Jane Matjasko, MD

Sachin Kheterpal, MD, MBA
Dr. Michael Mazzeffi named Chief of Critical Care Division

In September, Michael Mazzeffi, MD, MPH was promoted to Chief of the Division of Critical Care Anesthesiology filling the opening created when former Chief, Samuel Galvagno, DO, PhD, MS, FCCM transitioned to a full-time position within the Program in Trauma. Dr. Mazzeffi will assume this position and continue his current roles as Director of Adult Cardiothoracic Anesthesiology Fellowship and Director of Resident Research Education.

Dr. Mazzeffi joined the Department in 2013 and has made significant contributions as an educator, clinician, and researcher. He has been the recipient of grants from the Society of Cardiovascular Anesthesiologists and Anesthesia Patient Safety Foundation. As an author of more than 85 publications, Dr. Mazzeffi was promoted to Associate Professor in 2017.

Dr. Mazzeffi is committed to mentoring faculty, residents, and students; and wants to further strengthen our quality and safety efforts in critical-care units, continue building resident and fellow education in critical care, and help grow our ICU research footprint. He will continue his research focusing on outcomes after cardiac surgery, bleeding issues during cardiac surgery, outcomes after ECMO, and the use of high-flow oxygen nasal cannula in endoscopy.

Baltimore Magazine 2018: Congratulations to Our “Top Doctors” of November

Please join us in congratulating faculty members, Drs. Mark DiMino and Stephanie Kahntroff who have been features as “Top Doctors” in the November issue of Baltimore Magazine. The recognition of our faculty physicians reflects admirably on the overall quality of patient care provided by our entire team of skilled clinical professionals and staff. In a joint congratulatory email sent to all UMMC employees, President and Chief Executive Officer of UMMC, Mohan Suntha, MD, MBA and Dean E. Albert Reece, MD,PhD,MBA, Executive Vice President for Medical Affairs, UM Baltimore and Dean UMSOM stated, "...Once again, we have much to be proud of, with more than 70 faculty physicians being recognized across a broad range of clinical specialties. The magazine surveyed nearly13,000 local physicians asking to whom they would send a member of their own family. We are honored that many local doctors chose experts at both campuses of the University of Maryland Medical Center."

View the full list here
Our Department's team, "The Midazzlers" raised $890 for the Baltimore Healthcare for the Homeless "Rock your Socks" 5K on November 3, 2018. Healthcare for the Homeless provides comprehensive healthcare and supportive services to persons experiencing homelessness. Pictured are Lonela Morosanu CRNA, Megan Anders MD, Meagan McCarthy, CRNA, and Ronald Ejanda, CRNA. Not pictured are team members Susan Sankova, MD and Clarissa Ejanda, CRNA. Contact Dr. Megan Anders if you are interested in joining the team next year for a beautiful walk/run at Lake Montebello.

Still interested in donating? Click here: The Midazzlers

“You are about to join an incredible team that makes healthy futures possible for children and families experiencing homelessness.”

FAER: Mentoring with Excellences

Each year, UMSOM receives up to two Summer Research Fellowships sponsored by the Foundation for Anesthesiology Education and Research (FAER) to perform mentored research with Anesthesiology Research and/or Clinical faculty. FAER emphasizes the importance of anesthesiology research, continuous education to young researchers, and provides a stepping stone opportunity for medical students strongly interested in the field. This year both students presented a poster of their work at the 2018 American Society of Anesthesiologists (ASA).

Ms. Eunae Ko, a second-year osteopathic medical student from Campbell University, presented a summer research poster mentored by Dr. Megan Anders Assistant Professor. Dr. Ko studied the correlation between hypothermia and surgical site infections.

Ms. Da Bin (Grace) Lee, presented her research mentored by Dr. Gary Fiskum, the M. Jane Matjasko Professor for Research and Vice Chair for Research. She was awarded first prize for her poster presentation at the 2018 UMSOM Medical Student Research Day. She and Dr. Gary Fiskum, are currently working to submit a research manuscript for publication.
Dr. Rock passes the Torch – SAAAPM

We would like to recognize Dr. Peter Rock on his outstanding leadership as the President of the Society of Academic Associations of Anesthesiology and Perioperative Medicine (SAAAPM). He started his two year term in 2016 with goals to advocate for our comprehensive role in caring for patients undergoing procedural and surgical care. SAAAPM has elected Dr. Jeanine Wiener-Kornish as the next president and will maintain the standards of excellence and accomplishments set forth by Dr. Rock and past presidents.

NEW Lactation Room – 7 North

The Department's Maternal Support and Lactation Workgroup is excited to announce the creation of a new lactation room on 7N. This space is labeled "Flex Room 2" and is across from the PACU space 45. It features a locking frosted glass door, privacy curtain, comfortable seating, and a mini-fridge for supplies and storage. We are investigating the option of installing a Medela Symphony hospital-grade pump here (currently available in the third floor room).

The Department of Anesthesiology was recognized as a Gold level Breastfeeding-Friendly Workplace in 2017 and appreciates continuous feedback for program improvement. Regular milk expression is more than a convenience for a breastfeeding mother - it is critical to avoid discomfort, blocked milk ducts, breast infections, and a reduction in milk supply. Our clinician mothers appreciate the support and encouragement of all colleagues as they work towards achieving their goals. In addition to UMMC facilities, Department lactation spaces are available on the third floor and in the 11th floor call room between C and D wings.

Please join me in extending many thanks to Department workgroup members for their advocacy and to Dr. Rock, Dr. McGowan, and UMMC Perioperative and Patient Care Services for making this much needed space a reality.

Faculty Promotion

Patrick Odonlor, M.B., Ch.B - Promotion to Associate Professor
Bogdan Stoica, M.D.- Promotion to Tenure Track
Flaubert Tchantchou, Ph.D. - Promotion to Assistant Professor
Junfang Wu, B.M., Ph.D. - Promotion to Tenure Track
Pam Shinnick and Christina Clyde decorated the S11B wing with places of interest photos from Baltimore City and Maryland. We hope that this helps to showcase positive attributes of the surrounding area to attract residents to our residency program. In addition, we have showcased some photos from our faculty and staff (current and former), that were previously submitted to our “Give Us Your Best Shot” photo contests. These photos were submitted by Dr. Beatrice Afrangui (Biking C&D Canal), Jill Steelman (Bromo Seltzer Tower), Tracy Patton, CRNA (Baltimore Zoo Friends).
Pain Management Center Expansion

The University of Maryland Pain Medicine (UM Pain), has been serving patients with chronic pain in Baltimore County since 2003 at the Pain Management Center at the University of Maryland Rehabilitation and Orthopedic Institute, and since 2015 in Howard County at Waterloo Crossing University of Maryland Faculty Physicians, Inc. We are pleased to announce that we have added a third practice location and a fourth physician, providing quick access to outstanding care for patients living or working in our community.

**Blake Watterworth, MD**, Assistant Professor of Anesthesiology, joins the Department of Anesthesiology UM Pain practice. A familiar face to many, he recently completed his fellowship in Pain Medicine at the University of Maryland Medical Center (UMMC) after serving his residency in Anesthesiology at UMMC. Dr. Watterworth is board certified in both Anesthesiology and Pain Medicine.

Sharing space with the Department of Orthopaedics, a **third UM Pain practice location** was opened on August 2018 in Baltimore City at **The Warehouse** at Camden Yards, 351 W. Camden St, 5th Floor. This site is convenient both to the local Baltimore community as well as the many commuters. In late October 2018, UM Pain opened a Call Center, co-located with the Department of Anesthesiology billing division as well as other administrative services that support the Department; the Call Center will answer all incoming calls to the practice serving as a single point of contact for our patients to request appointments (new, follow up and procedures), medical advice and prescription refills. A new UMMC, Waterloo, Camden UM Pain website was launched in November 2018; check us out at [umms.org/umpain](http://umms.org/umpain).

The team:
- Thelma Wright, MD, JD, Assistant Professor of Anesthesiology, Director, Division of Pain Medicine UM School of Medicine
- Kanchana Gattu, MBBS, Assistant Professor of Anesthesiology
- Seung Lee, MD, MBA, Assistant Professor of Anesthesiology
- Natasha Durant, PhD, Adjunct Professor of Anesthesiology, Psychologist
- Ralph Monte, PsyD, Psychologist
- Janice Mewe-Pira, CRNP
The 2018 Annual Meeting of the American Society of Anesthesiologists (ASA) was held October 13-17 at the Moscone Convention Center in San Francisco, California. This annual meeting connects clinicians and researchers to the latest clinical practice, research, and technology while giving them an opportunity to interact with more than 12,000 leaders and anesthesiologists from around the world. Our faculty and staff gathered and discussed issues important in our field; over 20 faculty members, fellows, and residents presented on various topics.

On Saturday, October 13, 2018, members of the Department and alumni gathered at this year’s Alumni Reception at The Press Club SF, a wine bar and lounge. Current Department faculty and residents were joined by alumni and former faculty including west coast alumni Kevin Blaine, Hailu Ebba, and Tim Stevens of California and Nicholas Goehner of Hawaii. Alumna Shahla Siddiqui attends the Alumni Reception each year from Singapore.

### ASA Faculty Presentations

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<td>Medically Challenging Cases</td>
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<td>Megan Anders, M.D</td>
<td>FAER Medical Student and Resident Scholar Research Symposium</td>
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<td>Ronald J. Berish, M.D.</td>
<td>Type-A Aortic Dissection Treated with TEVAR</td>
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<td>Richard T. Booth, M.D.</td>
<td>Post-Operative Rhabdomyolysis Following Prolonged Thoracic Surgery</td>
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<td>Ross O. Carpenter, M.D</td>
<td>Case of Acute Cushing’s Reflex In the Preoperative Period</td>
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<td>Wei Chao, M.D., Ph.D., FAHA</td>
<td>Committee Meeting-ASA Critical Care Abstract Review Subcommittee Meeting</td>
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<td>Bianca Conti, M.D.</td>
<td>Cadaveric Workshop on Advanced Skills that Every Physician Anesthesiologist Should Know: Workshop 1</td>
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<td>Cadaveric Workshop on Advanced Skills that Every Physician Anesthesiologist Should Know: Workshop 2</td>
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<td>Critical Strategies for Managing Mass Casualties: A Live Demonstration</td>
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<td>Misael Del Valle, M.D., M.S</td>
<td>For the Life of Flesh Is Its Blood-Leviticus 17:14-Care of the Jehovah’s Witness Patient Undergoing Cardiac Surgery</td>
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<td>Ticking Time Bomb, Hiding in Plain Sight, the Mighty Patent Foramen Ovale (PFO)</td>
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<td>Nicolas J. Dorsey, M.D.</td>
<td>Novel Transfemoral Transcatheter Tricuspid Valve-in-Valve Replacement After Failed Open Repair</td>
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<td>Gary Fiskum, Ph.D.</td>
<td>Strategic Use of Oxygen following Acute Brain Injury</td>
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<td>Thomas E. Grissom, M.D., FCCM</td>
<td>ASA Educational Subcommittee on Fundamentals of Anesthesiology</td>
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<td>ASA Committee on Trauma and Emergency Preparedness</td>
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<td>Trauma and the Anesthesiologist: Be Prepared (3 sessions)</td>
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<td>Trauma Anesthesiology: Perioperative Management of the Bleeding and Head Injured Patient</td>
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<td>Hyperventilation During Manual Ventilation is Reduced Using a Novel Respirator but Not Education Interventions</td>
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<td>Najmeh Izadpanah, M.D.</td>
<td>• Intraoperative Management of a Patient with Tracheoesophageal Fistula</td>
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| Michelle Kim, M.D.                            | • Resuscitation and Use of Resuscitative Endovascular Balloon Occlusion of the Aorta (REBOA) in the Patient with Severe Trauma  
• Anesthesiologist Should Know-Workshop 1     
• Anesthesiologist Should Know: Workshop 2    |
| Eunae Ko                                      | • FAER Medical Student and Resident Scholar Research Symposium.              |
| Bhavani Shankar Kodali, M.D.                  | • Medically Challenging Cases MCC Facilitator                               |
| Maureen McCunn, M.D., MIPP, FCCM, FASA        | • Board Meeting-Trauma Anesthesiology Board of Directors                    
• Trauma Anesthesiology Society Annual Meeting and CME Presentation 
• Trauma and the Anesthesiologist: Be Prepared (3 sessions)   
• ASA Committee on Trauma and Emergency Preparedness  
• Challenges and Controversies in Trauma Management Hemodynamic Effects of REBOA and Use of Vasoactives 
• House of Delegate Meeting: Session II       |
| Khodadad Namiranian, M.D.                     | • Identifying the Factors Involved In Post-Operative Relapse to Opioids In Patients With Opioid Use Disorder |
| Danny R. Newhide, M.D.                        | • Intraoperative Management of Obstructive Right Ventricular Myxoma        |
| Justin Richards, M.D.                         | • Trauma and the Anesthesiologist: Be Prepared (3 sessions)                 
• Trauma Anesthesiology: Perioperative Management of the Bleeding and Head Injured Patient |
| Peter Rock, M.D., M.B.A., FCCM                | • Academic Anesthesiology Committee                                         
• FAER Medical Student and Resident Scholar Research Symposium   |
| Laert Rusha, M.D.                             | • An Unexpected Intraoperative Finding of Persistent Left Sided Vena Cava During Aortic Valve Replacement |
| Anne M. Savarese, M.D., FAAP                  | • Intra-abdominal Hemorrhage During Neonatal Open Heart Surgery             
• Moderator for Monitors 16,17,18 and 19      |
| Kenichi Tanaka, M.D.                          | • Equipment, Monitoring and Engineering Technology A4293-Comparison of the Quantra System to a Series OFLAB-based Clinical Composite Indexes. 
• Multi-center Investigation of the Clinical Performance of the Quantra system versus the Rotem Delta in Surgical Patients  
Multi-center Investigation   |
| Mingfei Wang, M.D.                            | • A Tale of Two Clots: Aortic Valve Thrombus In a Patient With Pulmonary Emboli |
| Yvette Fouché-Weber, M.D.                     | • Board Meeting-Trauma Anesthesiology Board of Directors                    
• Anesthesiologist Should Know-Workshop 1     
• Anesthesiologist Should Know-Workshop 2     
• Critical Strategies for Managing Mass Casualties: A Live Demonstration (2 sessions) |
Jointly, Robert E. Rosenthal, MD, (Professor of Emergency Medicine and Anesthesiology and Director of Hyperbaric Medicine at the R. Adams Cowley Shock Trauma Center), and Gary Fiskum, PhD, (M. Jane Matjasko Professor for Research and Vice Chair for Research in the Department of Anesthesiology) have performed research at UMSOM for over 20 years. In that time, they have questioned the standard clinical practice of providing 100 percent oxygen to cardiac arrest survivors after resuscitation. Dr. Fiskum states “Since it has been known for many decades that pure oxygen can be toxic to the retina and lungs….we hypothesized that administration of very high oxygen for even a few hours following resuscitation could cause further damage to the brain.”

Dr. Rosenthal, who has extensive experience in resuscitation of patients after cardiac arrest in emergency departments, suspected that 100 percent oxygen might not be helping these patients. To test this hypothesis, he developed laboratory animal models. With the help of Dr. Fiskum’s expertise in oxygen free radical biology and brain energy metabolism, they soon found that continuous exposure to 100 percent oxygen during just the first hour after resuscitation results in toxic oxidation of certain brain molecules and inhibition of brain energy metabolism. These results challenged a fundamental support for widespread use of oxygen after resuscitation from cardiac arrest.

“Dr. Fiskum and Dr. Rosenthal have studied this issue for many years and have been pioneers in realizing that clinical practice needed to be changed,” says E. Albert Reece, MD, PhD, MBA, Executive Vice President for medical affairs at the University of Maryland, Baltimore, and the John Z. and Akiko K. Bowers Distinguished Professor and UMSOM dean. “This latest research adds to the already strong evidence that their research has been both groundbreaking and crucially useful to patients and doctors.”

Excerpt were taken from a press release by David Kohn; UMSOM Office of Communication, 6/19/18.

Click Here to read the entire article.
Collaborative Research: New Technology for Military Vehicles May Protect Troops Against Blast-induced Traumatic Brain Injury

The University of Maryland School of Medicine and the University of Maryland A. James Clark School of Engineering are credited with developing a new technology for use in military vehicles that may protect our troops from blast-induced traumatic brain injuries (TBIs). More than 250,000 warfighters were victims of TBIs as a result of a land mine blast during Operations Iraqi Freedom and Enduring Freedom. A new military vehicle shock absorbing device may protect troops from this debilitating injury.

The effort is a joint collaboration between the labs of Gary Fiskum, PhD, (M. Jane Matjasko Professor for Research and Vice-Chair, Department of Anesthesiology at UMSOM), and William Fourney, PhD, (Associate Dean of the Clark School, Keystone Professor of Aerospace and Mechanical Engineering and Director of Dynamic Effects Laboratory, University of Maryland College Park) with collaborative funding from the University of Maryland Strategic Partnership: MPowering the State.

This novel research is the first look at blast-induced TBIs without focusing on rapid changes in barometric pressure, but to model the effect of the immense acceleration that occupants of vehicles experience during an under-vehicle blast which results in a mild to moderate TBI. The desire to mitigate the accelerative effects of under vehicle explosions led to the development of materials and vehicle frame designs that can greatly reduce injury caused by under-vehicle blasts.

Excerpt were taken from a press release by Alex Likowski; UMSOM Office of Communication, 3/23/18.

Click Here to read the entire article.

The findings described are published in the following articles:

1. Journal of Trauma and Acute Care Surgery, with Julie Proctor, MS, UMSOM Lab Manager, as primary author. (Link to Article)

2. Experimental Neurology, with Flaubert Tchantchou, PhD, UMSOM Assistant Professor, as primary author. (Link to Article)

3. Journal of Neurotrauma, with Rao Gullapalli, PhD, Professor of Diagnostic Radiology, UMSOM, as senior author. (Link to Article)
Grants Awarded

Congratulations to the following investigators for their success in gaining extramural research funding:


- **PI:** Alan Faden, PhD
- **Project title:** "Effect of Hypobaria on Systemic Immune Function Following Brain Trauma"

**Department of Defense (DOD) (2018 - 2021)**

- **PI:** Bingren Hu, PhD
- **Project title:** "Novel Focal Abdominal Cavity Cooling REBOA Strategy for the Treatment of Non-Compressible Torso Hemorrhage"


- **PI:** Gary Fiskum, PhD
- **Project title:** "Gene Expression in Blood, Lung, and Heart Following Exposure of Rats to Hypobaria"

**Air Force Office of Scientific Research (2018 - 2021)**

- **PI:** Gary Fiskum, PhD
- **Project title:** "Characterization of the Effects of Aeromedical Evacuation Hypobaria and/or Hypoxia on the Downstream Sequalae of Traumatic Injury"

**National Institute of General Medical Sciences (NIH) (2018 - 2020)**

- **PI:** Wei Chao, MD, PhD, FAHA
- **Project title:** "Extracellular miRNA-TLR7 Signaling in Sepsis Pathogenesis"
Investigator & Research

Including recent Establishment of Research Programs; Funding and Grants Awarded; Invited Speakers, Major Committees, Task Forces, Appointments & Elected Positions; News Articles and Releases; New Patents; and Publications.

STAR: Translational Research Pilot Funding

Brittney Williams, MD and Lin Zou, MD, PhD
“Targeting Inflammation in Sepsis-induced Coagulopathy”
Award Amount: $50,000 (2019-2020)

Jonathan Morrison, MB, ChB, PhD (Surgery), Peter Hu, PhD, and Samuel Galvagno, DO, PhD, MS, FCCM
"Characterizing the Pathophysiology of Exsanguination Cardiac Arrest and Defining Opportunity for Intervention"
Award Amount: $49,115 (2019-2020)

Anesthesiology Seed Grant Funding

Se-Chan Kim, MD, Dr med, and Junfang Wu, BM, PhD
"The Role of Extracellular Vesicles/mRNA in Myocardial Ischemia and Reperfusion Injury"
Award Amount: $20,000 (2019-2020)

Thomas Grissom, MD, MSIS, FCCM and Yunbo Ke, PhD
"Induction of Endothelial Barrier Dysfunction and Lung Injury by Serum Factors of Traumatic Brain Injury (TBI)"
Award Amount: $20,000 (2019-2020)

Publications


The Departmental Research Fund this year is distributed among the following research groups:

- Dr. Chao’s Group
- Dr. Fiskum’s Group
- Dr. Wu’s Group
- Dr. Lipinski’s Group

Dr. Alan Faden
- Visiting Professor, University of Texas Medical Branch, Galveston. Galveston, TX. July 23-26, 2018
- Invited speaker and session chair, International Neurotrauma Society. Toronto, Canada. August 13-17, 2018
- Invited speaker (2 lectures, panel), Ivy League– Big Ten TBI Consortium Annual Meeting. Philadelphia, PA. July 17-19, 2018
- Neurocritical Care seminar, The Johns Hopkins University School of Medicine. Baltimore, MD. September 11, 2018
- Keynote speaker, 15th Annual Penn Center for Brain Injury and Repair Retreat. Philadelphia, PA. November 12-16, 2018

Dr. Brain Polster
- Graduate Program in Life Sciences (GPILS) 2018 Teacher of the Year Award

Dr. Junfang Wu
Fun in the SUN…

On July 29, 2018, the Department hosted its Annual Summer Picnic at Centennial Park in Howard County. This was a day to hang up the scrubs and business attire and enjoy the sun in the company of our faculty, staff, family, and friends.
Graduation 2018

On Friday, June 15, 2018 the Department hosted the annual Residency Fellowship Graduation Celebration for our 18 graduating residents and fellows as they move forward in their future medical careers. Held at the Baltimore Marriott Waterfront hotel, the celebration included graduates, their families, faculty, and staff.
Holiday Reception

Is there a better way to ring in the Holidays than with a party? The Department hosted its Annual Holiday Reception on December 11, 2018. Attendees enjoyed music from a string quartet, Hill Chamber Music, and an assortment of gourmet food.
Welcome to the Anesthesiology Team

Rena Anderson, MD
Assistant Professor

Boyoung Cha, PhD
Research Associate

Zackary Chancer, MD
Assistant Professor

Yonmee Chang, MD
Assistant Professor

Mary Ellingboe, MD
Assistant Professor

Amanda Godsey
Administrative Assistant III

Pooya Heiraty, MD
Assistant Professor

Reney Henderson, MD
Instructor

Kimberly Hollander, MD
Assistant Professor

Stephanie Jones, MD
Assistant Professor

Rachel Johnson, MD
Instructor

Miranda Judd
Lab Assistant

Adnan Khera, MD
Assistant Professor

Bhavani Kodali, MD
Professor

Shao-Hsuan Lin
Research Assistant

Anguo Liu
Research Specialist
Welcome to the Anesthesiology Team (cont.)

Kerri Lopez, MD
Postdoctoral Fellow

Laurene Mead, MBA
Academic Services Coordinator

Samhati Mondal, MBBS
Assistant Professor

Jessica Neder
Research Specialist

Leah Pressley
Medical Practice Rep III

Kamoltip Promnares, PhD
Research Associate

Kevin Stierer, MD
Sr VP Perioperative Srvcs

Sarah Wachter, MD
Assistant Professor

Blake Watterworth, MD
Assistant Professor

Vanessa Weese
Academic Services Coordinator

Jenny Woo, MD
Assistant Professor

Yang Yang, MD
Postdoctoral Fellow

Jeongae Yoon, MD
Assistant Professor

Leah Pressley
Medical Practice Rep III

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Assistant Professor

Blake Watterworth, MD
Assistant Professor

Vanessa Weese
Academic Services Coordinator

Jenny Woo, MD
Assistant Professor

Yang Yang, MD
Postdoctoral Fellow

Jeongae Yoon, MD
Assistant Professor
Oleg Makarevich and wife's Katerina married on September 1, 2018 at Gramercy Mansion in Stevenson, Maryland.

Dr. Gary Fiskum is the proud grandfather of Annie Lynn Strauss, born on December 7, 2018.

Kelly Sikorski gave birth to John “Jack” Clark Sikorski, on October 10, 2018.

Allison Enterline and husband Brian Stander married on September 8, 2018 at Four Seasons in Baltimore, Maryland.
2018 Residents (Class of 2022)

Dr. Layth Dahbour  
University of Toledo  
College of Medicine

Dr. Andrew Goodman  
Sidney Kimmel Medical College  
at Thomas Jefferson University

Dr. Katelyn Scharf  
Sidney Kimmel Medical College  
at Thomas Jefferson University

Dr. Allison Ulrich  
Wake Forest  
School of Medicine

Dr. Daniel DaTorre  
Drexel University  
College of Medicine

Dr. Jessica Hsu  
University of Pittsburgh  
School of Medicine

Dr. Shruti Sudhakar  
Pennsylvania State University  
College of Medicine

Dr. Pushpinder Uppal  
Stony Brook University  
School of Medicine

2018 New Fellows

Dr. Jonathan Amoroso  
(Regional Anesthesiology)

Dr. Christine Ayoola  
(Pain Medicine)

Dr. Harmandeep Boparai  
(Trauma Anesthesiology)

Dr. Jennifer Kaplan  
(Cardiothoracic Anesthesiology)

Dr. Vincent Reformato  
(Cardiothoracic Anesthesiology)

Dr. Camron Wipfli  
(Cardiothoracic Anesthesiology)

Dr. Jonathan Woo  
(Pain Medicine)

Dr. James Yeh  
(Pain Medicine)
General Office Number:
Stacie Mendoza
Research Support Specialist
Research Career Development Program
mendoza@som.umaryland.edu
410-706-5434
http://www.medschool.umaryland.edu/career

SOM Upcoming Faculty Development Workshops

Founded in Fall 2008, the Research Career Development Program (RCDP) offers classes, workshops and seminars in subjects that are critical to an academic research career, including Grant Writing, Publishing and Identifying Funding Sources. In addition, this program offers symposia in Scientific Leadership & Professional Development. Many of these are regularly scheduled throughout the year, so please go to the website for updated information.

Upcoming Events:

Writing Effective Titles and Abstracts  
Thursday, February 14; 9:00 – 10:00am  
621 W. Lombard Street, SMC Campus Center, Room 351

Effective titles and abstracts are key components of a scientific paper, as these two parts of the paper are read most often and are also the basis for searches. This session focuses on how to write an interesting and informative title and abstract, including tips on writing style. This session begins with a didactic session (20 minutes), followed by an example-driven discussion (40 minutes). If any participants would like to submit an abstract for discussion, please email a draft to the speaker, Wendy Sanders, at Wsanders@som.umaryland.edu by February 6.

Speakers: Wendy Sanders, MA (Associate Dean of Research Career Development, UMSOM) and Marey Shriver, PhD (Director, Office of Research Career Development, UMSOM)

Registration required online at: http://registrationrcdp.eventbrite.com

Staffing Your Lab  
Tuesday, February 19; 9:00 – 10:00am  
621 W. Lombard Street, SMC Campus Center, Room 351

This session focuses on making the best hiring decisions, beginning with tips on how to attract postdocs and techs to your lab, which can be challenging if you are an early stage investigator.

Speaker: Eric Sundberg, PhD (Professor of the Departments of Medicine and Microbiology & Immunology, UMSOM)

Registration required online at: http://registrationrcdp.eventbrite.com

Corporate Funding Seminar  
Friday, March 1; 1:00 – 2:00pm  
660 W. Redwood Street, Howard Hall, Room 224

This seminar will provide an overview of the range of SOM’s corporate funding projects and describe state programs that help pay for collaborations with Maryland companies.

Speakers: Michael Rollor, MBA, PhD (Associate Vice President, Center for Clinical Trials & Corporate Contracts, UMB) and Philip Robilotto, DO, MBA (Chief Commercialization Officer, UM Ventures Baltimore, Associate Vice President, Office of Technology Transfer, UMB)

Registration required online at: http://registrationrcdp.eventbrite.com
### Shock, Trauma, and Neuroprotection Research Seminar Series

4:00 pm in Howard Hall, Room 450

<table>
<thead>
<tr>
<th>Date</th>
<th>Speaker</th>
<th>Institution</th>
<th>Topic</th>
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</thead>
<tbody>
<tr>
<td>February 14</td>
<td>Michael Sofroniew, MD, PhD</td>
<td>UCLA, Los Angeles, CA</td>
<td>Reactive gliosis in response to CNS damage and disease</td>
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<tr>
<td>March 14</td>
<td>Shanping Yu, MD, PhD</td>
<td>Emory University, Atlanta, GA</td>
<td>Optogenetic study of neuronal recovery after stroke &amp; TBI</td>
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<tr>
<td>April 11</td>
<td>Douglas Green, PhD</td>
<td>St. Jude, Memphis, TN</td>
<td>LC3-associated phagocytosis and inflammation</td>
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<tr>
<td>April 25</td>
<td>Hulya Bayir, MD</td>
<td>University of Pittsburgh, Pittsburgh, PA</td>
<td>Mitochondrial injury and oxidative stress</td>
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<tr>
<td>May 9</td>
<td>Michelle Olsen, PhD</td>
<td>Virginia Polytechnic Institution, Blacksburg, VA</td>
<td>Astrocytes in development and maturation of the CNS</td>
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<tr>
<td>May 23</td>
<td>Paco Herson, PhD</td>
<td>University of Colorado, Denver, CO</td>
<td>Mechanisms of neuronal injury in stroke</td>
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</tbody>
</table>

* dates and guest are subject to change.
### Upcoming National Events

<table>
<thead>
<tr>
<th>Event</th>
<th>Where</th>
<th>When</th>
<th>Website</th>
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</thead>
<tbody>
<tr>
<td><strong>Critical Care Congress Annual Congress</strong></td>
<td>San Diego, California</td>
<td>February 17-20, 2019</td>
<td><a href="http://www.sccm.org/">http://www.sccm.org/</a></td>
</tr>
<tr>
<td><strong>The Society for Obstetric Anesthesia and Perinatology (SOAP) Annual Meeting</strong></td>
<td>Phoenix, Arizona</td>
<td>May 1-5, 2019</td>
<td><a href="https://www.soap.org">https://www.soap.org</a></td>
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<tr>
<td><strong>American Society of Anesthesiologists (ASA) Annual Meeting</strong></td>
<td>Montreal, Quebec, Canada</td>
<td>May 16-21, 2019</td>
<td><a href="https://auahq.org/aua-annual-meeting">https://auahq.org/aua-annual-meeting</a></td>
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<tr>
<td><strong>American Heart Association Scientific Sessions 2018</strong></td>
<td>Philadelphia, Pennsylvania</td>
<td>November 16-18, 2018</td>
<td><a href="https://professional.heart.org/professional/index.jsp">https://professional.heart.org/professional/index.jsp</a></td>
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</tbody>
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Newsletter Submissions Welcomed!

Please send via email to newsletter@som.umaryland.edu

We would like for everyone to use the newsletter as an opportunity to celebrate our successes. Take a moment to congratulate one another for our accomplishments.

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### Grand Rounds

<table>
<thead>
<tr>
<th>Date</th>
<th>Event Details</th>
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<tbody>
<tr>
<td>Feb 7</td>
<td>Mock Orals</td>
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<tr>
<td>Feb 14</td>
<td>Divisions Meetings / Residents Meeting / CRNAs Meeting</td>
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</tbody>
</table>
| Feb 21 | **6:30 a.m.-** Use of Regional Anesthesia beyond analgesia (to include oncological outcomes, critical limb ischemia, and possibly refractory arrhythmias)  
Dr. N. Dorsey ; Advisor: R. Samet  
**7:00 a.m.-** Pediatric ERAS protocols: Dr. I. Drillings  
Advisor: A. Savarese  
**7:30 a.m.-** Use of peripheral nerve stimulators for chronic pain conditions like shoulder pain post stroke or phantom leg pain  
Dr. N. Izadpanah ; Advisor: T. Wright & B. Watterworth |
| Feb 28 | Morbidity & Mortality Conference  
Drs. M. Anders |
| March 7 | Visiting Professor: Dr. Wiener-Kronisch |
| March 14 | **6:30 a.m.-** Simulated fluid dynamics of local anesthetic in the epidural space: Dr. L. Rusha  
Advisor: B. Kodali  
**7:00 a.m.-** Post-operative cognitive decline after cardiac surgery: Dr. R. Carpenter  
Advisor: J. Chow  
**7:30 a.m.-** Post Dural Puncture Headaches:  
Dr. O. Ifaturoti  
Advisor: B. Kodali |
| March 28 | Morbidity & Mortality Conference  
Drs. M. Anders |

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For Detailed information about the pictures posted please visit:
http://www.medschool.umaryland.edu/Anesthesiology/About-Us/Department-Events/2018/