Investiture Ceremony to Award

Wei Chao, MD, PhD

The Anesthesiology Endowed Professor In
Translational Research

On Monday, March 4, 2019 an investiture ceremony and reception was held in Westminster Hall in honor of Wei Chao, MD, PhD, Professor of Anesthesiology and Physiology, Vice Chair for Translational Research, Department of Anesthesiology, and Associate Director of the Center for Shock Trauma Anesthesiology Research at the University of Maryland School of Medicine.

Dr. Chao now becomes the fifth endowed professor in the Department of Anesthesiology. Before he joined the UMSOM, he was an attending Anesthesiologist in the Department of Anesthesia and Critical Care at Massachusetts General Hospital (MGH) and principal investigator at the Critical Care Research Center directed by Dr. Warren M. Zapol. Dr. Chao served as Director of the Anesthesia Research Mentorship Program and member of the advisory council of the MGH Office for Research Career Development. (Continue on Page 2)

Relief of the School of Medicine medal awarded to Dr. Chao bearing the likeness of UMSOM founder John Beale Davidge.
Dr. Chao’s clinical expertise is adult multidisciplinary anesthesia in general, vascular, and orthopedic surgery with special interests in septic shock and perioperative myocardial protection. His research focuses on the role of innate immunity and microRNA-mediated inflammation in coagulopathy, encephalopathy, and cardiomyopathy in sepsis, trauma, and cardiac ischemia. He has published extensively in major journals such as: *Anesthesiology; Am J Physiol; Crit Care Med; JAHA; JBC; JCI; J Immunol; Shock; and, Sci Transl Med.* Directed by Dr. Chao, the Translational Research Program is funded by three NIH R01 and an R35 grants as well as grants from the US Air Force, the Shock Society, and the International Anesthesia Research Society. The awards total $8.68 million. Dr. Chao is an elected Fellow of the American Heart Association and member of the Association of University Anesthesiologists. He is the 2018-2021 IARS recipient of the prestigious Frontiers in Anesthesia Research Award. He has trained more than 30 PhD and MD research fellows and students.
SOM-Annual Gala Featuring Our Pediatrics' Team

On Saturday, May 4, 2019 the University of Maryland School of Medicine hosted its annual gala for alumni, donors, faculty, staff, and students at the Baltimore Convention Center. The title of this year’s gala was “Vital Signs, Vital Victories” emphasizing the School of Medicine’s continued tradition of excellence in the areas of medical education, patient care, and research.

Each year the School of Medicine Gala coincides with the Medical Alumni Association Reunion Weekend making it the perfect opportunity to showcase the accomplishments of the many dedicated physicians, biomedical researchers, and allied health professionals who work together every day.

Featured prominently in this year’s video presentation are the Department of Anesthesiology’s own Anne Savarese, M.D., FAAP, Division Chief, Pediatric Anesthesiology, and Stephanie Kahntroff, M.D., Pediatric Anesthesiology for their contributions to three of the four pediatric patient cases highlighted. They are featured in: clip #2, “Nickolas,” about a boy experiencing excruciating headaches, clip #3, “Victoria,” about a healthy child who is suddenly very ill; and, in clip #4, “Tessa,” a one year old waiting patiently for a heart transplant. Check out the video here: https://www.medschool.umaryland.edu/gala/

The Pediatric Anesthesiology Division is the only all-female division in the hospital.

Anesthesiology Pediatrics Team

Yonmee Chang, MD
Assistant Professor

Stephanie Kahntroff, MD
Assistant Professor

Stephanie Jones, MD
Assistant Professor

Teresa Niemiec, DO
Assistant Professor

Mary Ellingboe, MD
Assistant Professor

Anne M. Savarese, MD
Assistant Professor

Jenny Woo, MD
Assistant Professor
Sponsored Research Interns Win Top Prizes at STEM Symposium

Brianna Holmes and Himsheela Karki, students from Baltimore City Community College (BCCC) and research interns in the lab of Dr. Gary Fiskum, the M. Jane Matjasko Professor for Research in the Department of Anesthesiology, earned the top awards at a competitive poster presentation at the 7th Annual BCCC STEM Symposium on November 8th, 2018. The symposium was a part of the Maryland STEM Festival and included an audience of over 500 students from BCCC and several Baltimore city schools. External judges chose the best posters from among 50+ entries. Karki, a native of Kathmandu, Nepal, was awarded the President’s Award for the Best Overall Science Project, which focused on strategic use of oxygen following resuscitation from cardiac arrest. Holmes, a life-long Baltimorean, won the Vice-President’s Award for Best External Research Project, which concentrated on effects of hypobaria on traumatic brain injury. Ms. Karki graduated with her AAS in December 2018 and is currently completing pre-requisite coursework for pharmacy school. Ms. Holmes continues working in the Fiskum lab and plans to pursue a BS degree on a pre-medicine track.

* Researchers who are interested in sponsoring a BCCC biotechnology intern in their labs should contact Dr. Amrita Madabushi (amadabushi@bccc.edu or 410-900-7666), associate professor of biotechnology at BCCC and former UMB postdoctoral fellow.

Farewell - Dr. Beatrice Afrangui, MD

Dr. Afrangui has been a member of the Department for nearly 27 years. In her role as Director of the PREP Center, Dr. Afrangui has been responsible for creation of preop testing guidelines and preop preparation algorithms. Importantly, Dr. Afrangui has been responsible for educating all our residents about preoperative preparation and risk assessment. She has also helped train a number of health care professionals, notably the nurses and NPs that staff the PREP Center. She will be greatly missed. We wish her great success in the next stage of her career.

Anesthesiology Chief Residents 2019-2020

We are pleased to announce the Chief Residents for the 2019-2020 academic year. Please join us in congratulating the following residents for receiving this honor:

Emma Harmon, M.D. – Administrative/Schedules
FY20 Chief Resident / PGY-4

Benjamin Fedeles, M.D. – Recruitment
FY20 Chief Resident / PGY-4

Laura Libuit, M.D.– Education
FY20 Chief Resident / PGY-4
2019 Residents (Class of 2023)

Dr. Cortney Barbica
University of Michigan Medical School

Dr. Enoch Chenug
Eastern Virginia Medical School

Dr. Hanna Khan
Drexel University College of Medicine

Dr. Megan McClain
Florida State University College of Medicine

Dr. Jaclyn Mueller
University of Toledo College of Medicine

Dr. Paul Park
University of Maryland School of Medicine

Dr. Amanda Piedra
Rutgers Robert Wood Johnson Medical School

Dr. Elizabeth Presutto
State University of New York Upstate Medical University

2019 Residents (Class of 2022)

Dr. Duy Trinh
University of Nevada Reno School of Medicine

Dr. Jamie Byun
University of Maryland School of Medicine

Dr. Graham Franke
University of Maryland School of Medicine

Dr. Mohan Govindraj
Rutgers New Jersey School of Medicine

Dr. Zachary McHenry
University of Cincinnati School of Medicine

2019 New Fellows

Dr. Kanwarpal Bakshi
(Cardiothoracic Anesthesiology)

Dr. Justin Benoit
(Pain Medicine)

Dr. Ross Carpenter
(Cardiothoracic Anesthesiology)

Dr. Nicolas Dorsey
(Regional Anesthesiology & Acute Pain Medicine)

Dr. Najmeh Izadpanah
(Pain Medicine)

Dr. Arunthevaraja Karuppihah
(Obstetric Anesthesiology)

Dr. Allison Lankford
(Critical Care Anesthesiology)

Dr. Steven Miller
(Cardiothoracic Anesthesiology)

Dr. Laert Rusha
(Pain Medicine)
On May 29-30, 2019, the Department of Anesthesiology hosted its first Perioperative Point-of-Care Ultrasound (POCUS) workshop. Coordinated by Dr. Ron Samet and with assistance from Drs. Se-Chan Kim, Michael Mazzeffii, and Jonathan Chow, close to twenty clinical faculty spent an entire day learning and performing POCUS exams. A wide array of faculty members from various clinical subspecialties, including cardiac, trauma, pediatrics, obstetrics, regional, multi-specialty, and critical care spent many hours completing pre-course online courses in the topics of transthoracic echocardiography, lung ultrasound, gastric ultrasound, airway ultrasound, and the focused assessment with sonography for trauma (FAST) exam. A well-known expert in the field of perioperative POCUS, Richelle Kruisselbrink, from the University of Toronto, Toronto Western Hospital was invited to participated in the workshop. She provided superb instruction during the didactics and the hands-on sessions. Drs. Jonathan Chow, Michael Mazzeffii, Se-Chan Kim, Ron Samet, and Richelle Kruisselbrink also provided lectures. Several models were recruited to aid in the hands-on sessions. Ultrasound machines were graciously provided by Sonosite, FujiFilm, and Philips. Participants were guided by experienced instructors, including cardiac sonographers, Dr. Brian Euerle, the Director of Ultrasound at the University of Maryland Emergency Medicine Department and Dr. Daniel Haase an emergency medicine / critical care physician, and several of our own faculty members. Large posters exhibiting various POCUS exams were displayed at scanning stations to demonstrate standard flow when performing the different diagnostic exams. Wanda Belton and Raquel Meng provide needed administrative support for the workshops. All the participants agreed that they learned a great deal and were ready to incorporate their new skills into daily practice!
Anesthesiology Research Retreat
Strength in Collaboration

On April 4, 2019, the Department hosted its first annual Anesthesiology Research Retreat at the Mt. Washington Conference Center in Baltimore, MD. The retreat provided an opportunity for our researchers to present their latest scientific discoveries and emerging technologies in both basic and clinical research. The one-day conference brought together over 75 of our basic and clinical investigators, junior faculty, fellows, staff, and students, who exchanged and shared experiences in all aspects of Anesthesiology research including: brain and spinal cord injury, trauma, sepsis, coagulation, lung biology, mitochondrial bioenergetics, and, big data/machine learning. The program featured two invited external keynote speakers both from Johns Hopkins (Drs. Charles Brown and Mark Mattson) and eight internal speakers all highlighting their ongoing departmental research. Attendees participated in two breakout sessions to view twenty poster presentations from our research students and fellows, providing them a great opportunity for networking.
Retreat Guest Speakers:

Charles Brown, MD
Associate Vice-Chair for Research for Anesthesiology and Critical Care Medicine at The Johns Hopkins University School of Medicine in Baltimore.

“Delirium and Cognitive Dysfunction Perioperatively or in Sepsis”

Mark P. Mattson, PhD
Chief of the Laboratory of Neurosciences at the National Institute on Aging and Professor of Neuroscience at The Johns Hopkins University School of Medicine in Baltimore.

“How do Intermittent Bioenergetic Challenges Enhance of Brain Performance and Resilience?”
Oral Presentations

Megan Anders, MD - "The Anesthesia Clinical Registry"
Marie Hanscom, BA/BS - "Impact of Intestinal Inflammation on Long-Term Neurological Outcomes Following Chronic Experimental Traumatic Brain Injury in Mice"

Reney Henderson, MD - "Autologous Whole Blood Use in Cardiac Surgery: Clinical Efficacy and Hemostatic Mechanism(s)" (1st Place Clinical Science Presentation)
Yunbo Ke, PhD - "Regulation of Barrier Function of Lung Vascular Endothelium Under Cyclic Stretch by Rap1 and RhoA"
Nina Klimova, BS - "Role of NAD+ Precursor in Modulation of Mitochondrial Fragmentation and Neuroprotection"
Chun Mun Loke, BS - "Disruption of Membrane Trafficking Leads to Brain Ischemia-Reperfusion Injury"
Britney Williams, MD - "Molecular Link Between Inflammation and Coagulation Dysfunction in Polymicrobial Sepsis" (1st Place Basic Science Presentation)
Shiming Yang, PhD - "Big Data / Machine Learning"

Poster Presentations

James Barrett, PhD - “Type I Interferons Drive Neuroinflammation and Neurodegeneration Following Experimental Traumatic Brain Injury in Mice”
Tuoxin Cao, PhD - “Sexual Divergent Responses of Neuroinflammation and Functional Recovery to Spinal Cord Injury”
Harry Choi, PhD - “Spatial and Temporal Characterization of LC3+ Axonal Bulbs Formed in Injured Spinal Cord”
Angela Crawford, MD - “Real-Time Vital Signs Predict Organ Failure Assessment (SOFA) Score in Trauma Patients”
Xiuqing Feng, PhD - “Intratracheal Delivery of miR-146a Mediated Acute Lung Injury”
Marie Hanscom, PhD - “Acute Colitis Following Chronic Traumatic Brain Injury in Mice Induces Persistent Neurobehavioral Deficits”
Junyun He, PhD - “The Voltage-Gated Proton Channel HV1 Impairs Recovery After Traumatic Brain Injury in Mouse Through Altered Microglia/ Macrophage Responds”
Rebecca Henry, PhD - “Microglia Depletion and Repopulation During the Chronic Stages of Experimental Traumatic Brain Injury in Mice Improves Long-Term Neurological Recovery and Reduces Chronic Neurodegeneration” (2nd Place Basic Science Poster)
Huang Huang, PhD - “The Role of IRS2-AMPK Axis Signaling in Human Pulmonary Artery Smooth Muscle Cell Proliferation”
Yi-Mei Kuo, MS - “Stress Test of Blood Transfusion Algorithm with a Large-Scale Continuous Trauma Patient Dataset” (2nd Place Clinical Science Poster)
Yun Li, PhD - “The Voltage-Gated Proton Channel HV1 Impairs Recovery After Mouse Spinal Cord Injury Through NOX2/ROS Signaling”
Chia-Chen Liang, MS - “In Flight Early Decision Model Predicts the Need for Critical Administration Threshold (CAT) and Massive Transfusion (MT) Following Trauma”
Chien-Yu Lin, MS - “How Can We Reduce 50% of Transient Patient Monitor Alarms in the Surgical Intensive Care Unit?”
Oleg Makarevich, BS - “Mithramycin Attenuates DNA-Damage-Induced Neuronal Cell Death by Acting Upstream of Mitochondrial Permeabilization”
Juliana Medina, BS - “Effects of Air-Evacuation-Relevant Hypobaria on Ferrets Following Polytrauma”
Rajan Patel, BS - “A Novel Method of Calculating Stroke Volume Using Point-Of-Care Echocardiography” (1st Place Clinical Science Poster)
Julie Proctor, MS - “Purkinje Cell Death but Not Cerebellar Neuroinflammation Following Canine Cardiac Arrest is Exacerbated by Acute Hyperoxic Resuscitation”
Briana Shimada, PhD - “TLR7 Activation By miR-146a Induces Pro-Inflammatory Response in the Myocardium”
Andrew Suen, MD - “Circulating Plasma MiRNAs Trigger Innate Immune Activation in a Mouse Model of Polytrauma” (1st Place Basic Science Poster)
Sheng Wang, PhD - “Characterization of Plasma Extracellular Small RNA by Highthroughput Sequencing in a Mouse Model of Sepsis”
Researchers Scoop Up Awards at National Neurotrauma Society Meeting

The 37th Annual National Neurotrauma Society (NNS) meeting took place on June 29 - July 3 in Pittsburgh, Pennsylvania. The meeting’s theme was “What does Function mean to me?”. Pre-conference workshops were held on blood biomarkers to assess function and rehabilitation in neurotrauma patients, followed by plenary sessions on therapeutic strategies for central nervous system (CNS) regeneration, contact sports controversies, showcase of advanced diagnostics tools for brain injury and recovery, alternative pre-clinical neurotrauma models, and sex difference in neurotrauma research, among many other basic, translational, and clinical topics.

Both the Department of Anesthesiology and The Center for Shock, Trauma, and Anesthesiology Research (STAR) had a strong presence at the conference with over ten posters showcasing basic and clinical CNS injury research from doctoral students, postdoctoral fellows and faculty members. Three postdoctoral fellows from the labs of Dr. Junfang Wu, Dr. David Loane, and Dr. Alan Faden were selected as the Top 20 Poster Finalists at the meeting, and were recognized by the Society for the excellence of their research: Dr. Rebecca Henry; Dr. Junyun He; and, Dr. Tuoxin Cao. In the Top 20 Poster Final, research was critically reviewed by four independent poster judges from leading Neurotrauma research-intensive centers nationwide. Dr. Rebecca Henry (Faden/Loane Lab) was awarded the prestigious TEAM Neurotrauma (Training, Education and Mentoring) Award for her work investigating the role of microglia in chronic neuroinflammatory responses following experimental traumatic brain injury. The TEAM award recognizes research accomplishments of female trainees in Neurotrauma and is awarded to the top poster presentation by a female. Professor Amy Wagner, NNS President 2019 presented the TEAM Award to Dr. Henry at an award ceremony on July 3rd. Additionally, Dr. Henry was among the 20 recipients of 2019 NNS travel award to attend the Annual Meeting.
National Neurotrauma Society Meeting Presenters
June 29- July 3, 2019; Pittsburgh, Pennsylvania

Gary Fiskum, PhD- “Effects of Air-Evacuation-Relevant Hypobaria on Ferrets Following Polytrauma” and “Cerebral Blood Flow is Reduced During Aeromedical Evacuation-Relevant Hypobaria Following Rat Traumatic Brain Injury”

Rebecca Henry, PhD- “Microglia Depletion And Repopulation During the Chronic Stages of Traumatic Brain Injury Improves Long-Term Neurological Recovery”

Junyun He, PhD- “The Voltage-Gated Proton Channel HV1 Impairs Recovery after Traumatic Brain Injury Through Altered Microglia/Macrophage Responds”

Tuoxin Cao, PhD- “Sexual Divergent Responses of Neuroinflammation and Functional Recovery to Spinal Cord Injury”

Marie Hanscom- “Acute Colitis Following Chronic Traumatic Brain Injury in Mice Induces Persistent Neurobehavioral Deficits”

James Barrett, PhD- “Type I Interferons Drive Neuroinflammation and Neurodegeneration Following Experimental Traumatic Brain Injury in Mice”

Niaz Khan, PhD- “Isolation and Detection of Extracellular Vesicles from Mouse Spinal Cord Tissue: Implications for Neurotrauma”

Marta Lipinski, PhD- “Crosstalk Between Autophagy and Neuroinflammation Following Traumatic Brain Injury”

Gelareh Abulwerdi- “A Metabotropic Glutamate Receptor 4 Positive Allosteric Modulator, Adx88178, Attenuates Microglial Activation in Vitro”

Yun Li, PhD- “The Voltage-Gated Proton Channel HV1 Impairs Recovery after Mouse Spinal Cord Injury Through NOX2/ROS Signaling”

SOAP Meeting Presenters
May 1-5, 2019; Phoenix, Arizona

Omar A Alyamani MBBS- “Cosyntropin in the Prevention and Treatment of Post Dural Puncture Headache. Time for Revisit”

Amar Bhavsar, MD- “Not all Sub Arachnoid Hemorrhages in Pregnancy are Intra cranial in Origin”

Jessica Galey, MD- “Obstetric Anesthetic Considerations for a Pre-eclamptic Patient with Cardiomyopathy and Limb Girdle Muscular Dystrophy”

Jessica Galey, MD- “Mother’s Day Gift is a Heart Transplant…Obstetric and Anesthetic Considerations for a Patient with Severe Peripartum Cardiomyopathy”

Olamide Ifaturoti, MD- “Anesthetic Management of Parturient with Type 1 Endovascular Leak after TEVAR”

Laert Rusha, MD- “Is PIEB Superior to PCEA for Labor Analgesia? A Novel In-vitro Variable Resistance and Flow Dynamic Epidural Simulation Model Analyzes this Controversy”

SHOCK Meeting Presenters
June 8-11, 2019; Coronado, California

Peter Hu, PhD- “In-Flight Continuous Vital Signs Predict Emergency and Massive Blood Transfusion after Trauma”

Sheng Wang, PhD- “Plasma Small RNA Sequencing and Characterization in a Mouse Model of Sepsis”

Lin Zou, MD, PhD- “TLR7 Deficiency Attenuated Acute Lung Injury in Polymicrobial Sepsis”

*Faculty Research Award Recipient
Megan Anders, MD  
**International Anesthesia Research Society**- (IARS) -**Poster**  
“Complications and Consequences of Anesthetic Technique for Endobronchial Ultrasound Guided Transbronchial Needle Aspiration (EBUS-TBNA): Implications from a Retrospective Study”

Boyoung Cha, PhD  
**International Anesthesia Research Society**- (IARS) -**Poster**  
“Regulation of Microtubule Dynamics in the HKSA-Induced Endothelial Barrier Dysfunction” and “The Role of Microtubule Instability in The Histone-Induced Endothelial Barrier Dysfunction”

Wei Chao, MD, PhD and Brittney Williams, MD  
**International Anesthesia Research Society**- (IARS) -**Panel**  
“Sepsis-Induced Coagulopathy: Mechanisms and Management”

Alan I. Faden, MD  
**International Anesthesia Research Society**- (IARS) -**Panel**  
“Towards Precision Medicine Intensive Care Unit”

Gary Fiskum, PhD** (Kosaka Best of Meeting Award Top Finalist - Basic Science)  
**Association of University Anesthesiologists**- (AUA) -**Oral**  
**International Anesthesia Research Society**- (IARS) -**Poster**  
“Hyperoxic Resuscitation Following Canine Cardiac Arrest Increases Cerebellar Purkinje Neuronal Damage and Inflammatory Microglial Activation”

Peter Hu, PhD  
**Association of University Anesthesiologists**- (AUA) -**Poster**  
“Predicting Need for Trauma Center Admission Emergency Intubation: Comparison of Field Glasgow Coma Scale with In-Flight Patient Vital Signs”

Yunbo Ke, PhD  
**International Anesthesia Research Society**- (IARS) -**Poster**  
“Induction of Endothelial Barrier Dysfunction by Serum Factors of Traumatic Brain Injury in Rat” and “Effects of Histones on Endothelial Barrier Function and Vascular Permeability of the Lungs”

Brittney Williams, MD  
**Association of University Anesthesiologists**- (AUA) -**Poster**  
**International Anesthesia Research Society**- (IARS) -**Poster**  
“Role of Innate Immune miRNA→TLR7 Signaling in Sepsis-Induced Coagulopathy in Mice”

Bogdan Stoica, PhD  
**Association of University Anesthesiologists**- (AUA) -**Poster**  
“Mithramycin Attenuates DNA Damage-Induced Apoptosis in Rat Primary Cortical Neurons by Inhibiting Mitochondrial Membrane Permeabilization”

Andrew Suen, MD  
**Association of University Anesthesiologists**- (AUA) -**Poster**  
**International Anesthesia Research Society**- (IARS) -**Poster**  
“Circulating Plasma miRNAs Trigger Innate Immune Activation in a Mouse Model of Polytraumatic Injury”

Lin Zou, MD, PhD  
**Association of University Anesthesiologists**- (AUA) -**Poster**  
“Absence of TLR7 Alleviated Acute Lung Injury in Mouse Model of Polymicrobial Sepsis”
Grants Awarded

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

- **National Institute of Neurological Disorders and Stroke (2019 - 2024)**
  - PI: Wei Chao, MD, PhD, Junfang Wu, PhD, & Lin Zou, MD, PhD
  - Project title: "Targeting Brain Inflammation and Neurocognitive Dysfunction in Sepsis"

- **The National Science Foundation (2020)**
  - PI: Wei Chao, MD, PhD & Peter Hu, PhD
  - Project title: "EAGER: Enhanced Pain Recognition through Machine Learning"

- **National Institute of Neurological Disorders and Stroke (2019 - 2024)**
  - PI: Alan Faden, MD & Junfang Wu, PhD
  - Project title: "Mechanism of Inflammatory Related Brain Dysfunction after Spinal Cord Injury"

- **National Institute of Neurological Disorders and Stroke (2019 - 2024)**
  - PI: Alan Faden, MD & Bogdan Stoica, PhD
  - Project title: "Reprogramming Microglial Epigenetic Pathways to Promote Cognitive Recovery after Brain Trauma"

- **Department of Defense (2019 - 2022)**
  - PI: Gary Fiskum, PhD
  - Project title: "Genomics, Microbiomics, and Bioenergetics-Based Personalized Treatment for Head Trauma Patients at Risk for Sepsis"
Publications


Appointed

**Dr. Junfang Wu**
- Visiting Professor, Virginia Commonwealth School of Medicine, Richmond, VA. March 2019.
- Visiting Professor, University of Texas Medical Branch, Galveston. Galveston, TX. May 2019.

**Dr. Gary Fiskum**

**Dr. Kazuyo Kegan**
Holiday Giving

Thank you for supporting the 2019 Department of Anesthesiology Holiday Giving Program. With your generosity we raised $7,100 to donate to Next One Up (https://nextoneup.org/) in support of their annual Summer College Immersion Program. Next One Up engages ‘high-risk’ middle and high school male students confronting significant barriers to achievement by providing long-term mentoring and coaching in both the classroom and on the field. The innovative, multi-year program is unparalleled in its breadth and depth.

Next One Up’s key objective is simple: “To ensure that every student athlete we serve achieves his full potential”. Their goal is to ensure that middle school students find their way to a good high school where they can truly thrive, and that they successfully graduate on a clear path to college or career. All services align with their mission of transforming the lives of young men in Baltimore City by supporting and advancing their academic, athletic and social development. They are currently serving 100 young men in Baltimore City, and are constantly adapting to achieve better results for the young men they serve. The results speak for themselves; as 100% of their student-athletes have graduated high school on time and 100% have been accepted into two- or four-year colleges. These young men will be the first in their families to attend college.
This year the Department of Anesthesiology invited children of faculty and staff ages eleven to seventeen to participate in a day long agenda of hands on activities on Thursday, April 25, 2019. Twenty-four children participated in the event this year.

The day began by participating in a session of simulation education which included testing their skills at CPR and seeing how ultrasound works presented by Drs. David Schreibman and Matthew Tulis followed by attending a seminar in the Department’s Helrich Conference room on “Scientific Method and Clinical Research,” presented by Department of Anesthesiology Clinical Research Coordinator LaToya Stubbs.

Next the children visited Davidge Hall, the oldest building in continuous use for medical education in the U.S., with a tour and expert lecture provided by Larry Pitrof, the Executive Director of the Medical Alumni Association. After lunch, the children were taken to the labs of Dr. Junfang Wu and Dr. Bogdan Stoica. Participants were divided by age to pursue different activities within each lab. The final activity was a presentation on Pediatric Anesthesiology, provided by Dr. Stephanie Jones of the Department’s Division of Pediatric Anesthesiology.

This is the sixth year that the Department of Anesthesiology has held Bring Your Child to Work Day. Thank you to all faculty members and staff who support this annual event and without whose help this event would not be possible.
Graduation 2019

On Friday, June 14, 2019 the Department hosted the annual Residency and Fellowship Graduation Celebration celebrating our twenty graduating residents and fellows as they move forward in their future medical careers. Held at the Baltimore Marriott Waterfront Hotel, the ceremony included graduates, their families, faculty members, and staff.
2019 Residency and Fellowship Graduation
On July 27, 2019, 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.
Welcome to the Anesthesiology Team

Meera Appaswamy, MBBS
Assistant Professor

Addis Bitew
CRNA

Carlyn Bonny, DNP
CRNA

Courtney Colson
Research Assistant

Elizabeth Cote
Program Management Specialist

Jing Zhu, MD, PhD
Research Specialist

Huang Huang, PhD
Post Doctoral Fellow

Emmanuel Ibhaze
CRNA

Debbie Jerez, MS
CRNA

Kazuyo Kegan, PhD
Assistant Professor

Peterson Nguyen, DNP
CRNA

Amavi Pitts
CRNA

Natika Wallace
Medical Representative III

Jing Zhu, MD, PhD
Research Specialist

Addis Bitew, MD
Researcher

Tarek El-Maghrabi
Research Assistant

Pamela Gill
CRNA

Karen Goss
Research Assistant

Taylor Hall
Administrative Operation Support Coordinator

Carlyn Bonny, DNP
Doctoral Researcher

Brittany Brandt, MD
Researcher

Congratulations

Sabrina Ngo, MD and her husband married on May 10, 2019 in Honolulu, Hawaii.

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:

Tips for Increasing Your Scientific Writing Productivity
Thursday, September 19
9:00 – 10:00am
660 W. Redwood Street, Howard Hall, Room 450

Speakers: Marey Shriver, PhD, Director, Office of Research Career Development, UMSOM and Stacie Mendoza, Program Director, Office of Research Career Development, UMSOM
Registration required online at: http://registrationrcdp.eventbrite.com

Developing Your Leadership Skills
Tuesday, September 10
9:00 – 10:00am
621 W. Lombard Street, SMC Campus Center, Room 351

Speaker: Gary Fiskum, PhD, M. Jane Matjasko Professor for Research in Anesthesiology, Vice-Chair for Research; Professor of Biochemistry and Molecular Biology and of Pharmacology, UMSOM
Registration required online at: http://registrationrcdp.eventbrite.com

Overview of NIH Career Development (K) Awards
Wednesday, October 2
9:00 – 11:30am
621 W. Lombard Street, SMC Campus Center, Room 351

Speaker: Marey Shriver, PhD, Director, Office of Research Career Development, UMSOM
Registration required online at: http://registrationrcdp.eventbrite.com

Planning Your Publication
Thursday, October 24
9:00 – 10:00am
621 W. Lombard Street, SMC Campus Center, Room 351

Speaker: Marey Shriver, PhD, Director, Office of Research Career Development, UMSOM
Registration required online at: http://registrationrcdp.eventbrite.com

Writing an R03 or R21 Small Grant Writing Class
October 15 – November 18th • Tuesdays
(time TBD)
685 W. Baltimore Street, MSTF Building, Room 316

Requirements for participation: In concert with NIH requirements, participants working on an R21 must hold the rank of Assistant Professor or higher; participants working on an R03 may be Instructors or Research Associates. All participants must be actively drafting an R03 or R21 grant application and must commit to attending 5 of the 6 sessions. This class is limited to 8 participants. If you are interested in participating, please email the Instructor, Marey Shriver, PhD, Director at: mshriver@som.umaryland.edu.
Upcoming Events

- **September 17:** Faculty Promotion Reception
  Weinberg Round Room

- **October 17:** State of Department Address – Dr. Peter Rock
  Helrich Conference Room

- **October 19:** Department of Anesthesiology Alumni
  Reception—Held during ASA Conference
  Orlando, FL

- **November 13:** The Professors Martin Helrich and M. Jane
  Matjasko Annual Lecture in Anesthesiology;
  George Mashour, M.D., Ph.D.
  UMMC Auditorium, Shock Trauma Building

- **November 14:** Guest Grand Rounds presented by
  George Mashour, M.D., Ph.D.

- **November 22:** Center for Shock Trauma Anesthesiology
  Research 10-Year Celebration
  MSTF–Leadership Hall

- **December 10:** Department of Anesthesiology Holiday
  Reception
  SMC Student Center Ballroom
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<th>Society of Critical Care Medicine</th>
<th>Society of Cardiovascular Anesthesiologists</th>
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<td><strong>Where:</strong> Orlando, Florida</td>
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<tr>
<th>SOAP - Society for Obstetric Anesthesia and Perinatology</th>
<th>American Society of Anesthesiologists</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Where:</strong> Halifax, Nova Scotia, Canada</td>
<td><strong>Where:</strong> Washington, D.C.</td>
</tr>
<tr>
<td><strong>When:</strong> May 13-17, 2020</td>
<td><strong>When:</strong> October 3-7, 2020</td>
</tr>
<tr>
<td><a href="https://www.soap.org">https://www.soap.org</a></td>
<td><a href="https://www.asahq.org/">https://www.asahq.org/</a></td>
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</tbody>
</table>

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<thead>
<tr>
<th>IARS, AUA and SOCCA Annual Meetings</th>
<th>American Heart Association</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Where:</strong> San Francisco, California</td>
<td><strong>Where:</strong> Dallas, Texas</td>
</tr>
<tr>
<td><strong>When:</strong> May 14-18, 2020</td>
<td><strong>When:</strong> November 14-16, 2020</td>
</tr>
<tr>
<td><a href="https://auahq.org/aua-annual-meeting">https://auahq.org/aua-annual-meeting</a></td>
<td><a href="https://professional.heart.org/professional/index.jsp">https://professional.heart.org/professional/index.jsp</a></td>
</tr>
</tbody>
</table>

**2020 Society Annual Meetings**
**Grand Rounds**

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
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</thead>
</table>
| Sept 5 | Surgical and ECMO Management of Pulmonary Embolism  
Dr. B. Deatrick |
| Sept 12| Divisions Meetings / Residents Meeting / CRNAs Meeting               |
| Sept 19| Electrophysiology Laboratory Procedures  
Dr. V. See         |
| Sept 26| Morbidity & Mortality Conference  
Dr. B. Kodali       |
| Oct 3  | Intraoperative Blood Pressure Targets: Black Box?  
Dr. B. Subramaniam |
| Oct 12 | Divisions Meetings / Residents Meeting / CRNAs Meeting               |
| Oct 17 | State of the Department  
Dr. P. Rock           |
| Oct 24 | 6:30 a.m.- Senior Resident Presentation  
Dr. P. Lee           |
|        | 7:00 a.m.- Senior Resident Presentation  
Dr. M. Banerjee      |
|        | 7:30 a.m.- Senior Resident Presentation  
Dr. A. Bhavsar       |
| Oct 31 | Morbidity & Mortality Conference  
Dr. M. Anders        |

**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.

**Department of Anesthesiology**

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Phone: 410-328-9461  
Web: medschool.umaryland.edu/anesthesiology  
Fax: 410-328-5531

For Detailed information about the pictures posted please visit: [https://www.medschool.umaryland.edu/Anesthesiology/About-Us/Department-News/2019/](https://www.medschool.umaryland.edu/Anesthesiology/About-Us/Department-News/2019/)