

PROGRAM



AUA 2024 ANNUAL MEETING

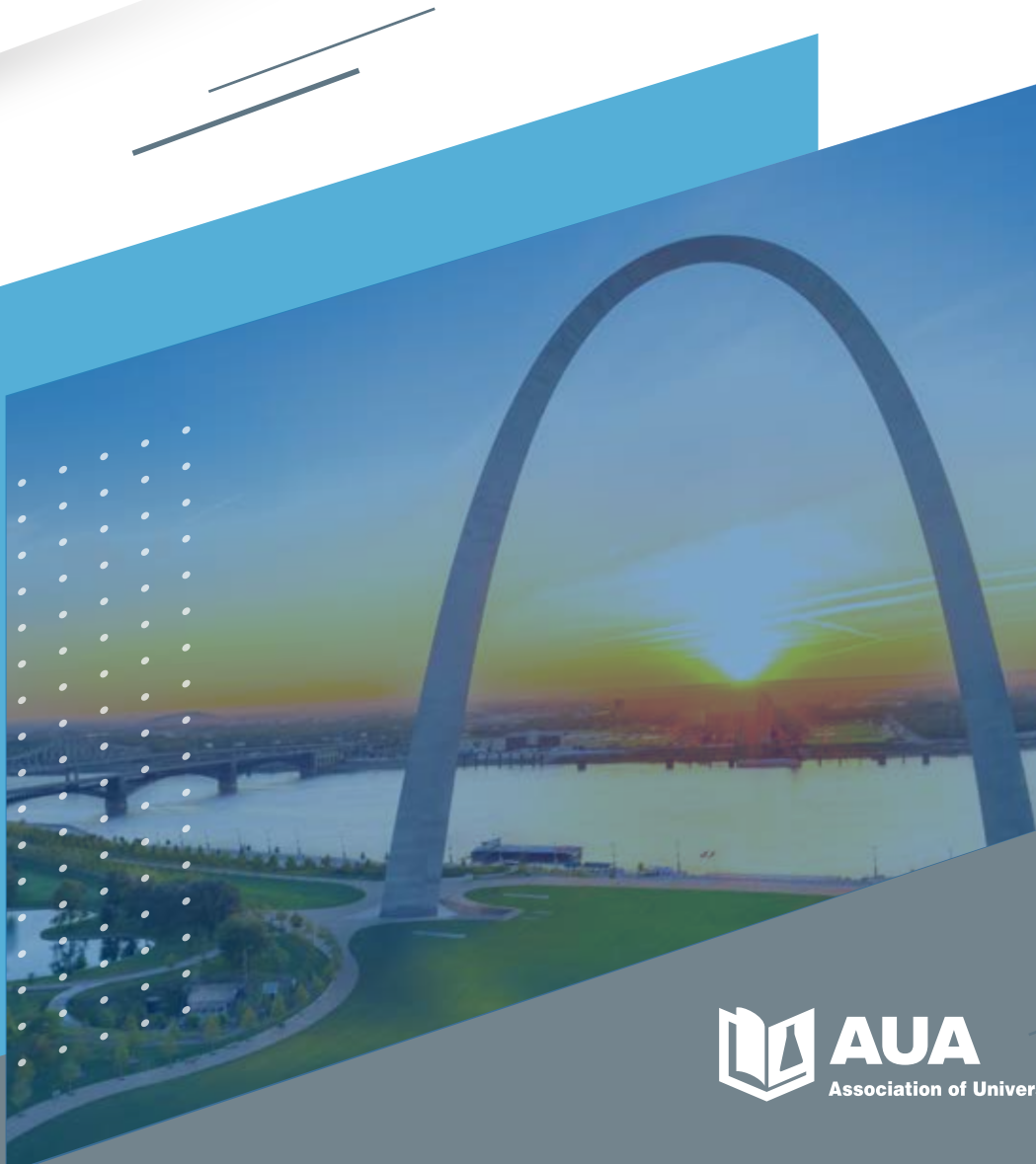


Washington University School of Medicine in St. Louis

Charles F. Knight Executive Education & Conference Center

Shaping the Future of
Academic Anesthesiology

March 22 – 24



AUA

Association of University Anesthesiologists



AUA 2024 ANNUAL MEETING

Washington University School of Medicine in St. Louis
Charles F. Knight Executive Education & Conference Center

Shaping the Future of Academic Anesthesiology | March 22 – 24

SCHEDULE AT A GLANCE

FRIDAY, MARCH 22, 2024

Pre-Meeting Event: Fundamentals of Professional Mentoring

11:00 am – 3:00 pm

Harriet Hopf, MD, Professor, Director of Faculty Development and Academic Affairs in the Department of Anesthesiology at the University of Utah

Maurice Joyce, MD, EdM, Program Director, Anesthesiology Residency Program; Assistant Professor of Anesthesiology, Tufts Medical Center

Stephen Kimatian, MD, FAAP, Professor of Anesthesiology, Vice Chairman of Pediatric Anesthesiology, Department of Anesthesiology and Pain Management, UT Southwestern

Susan Martinelli, MD, FASA, Residency Program Director, Professor of Anesthesiology, Division of Cardiothoracic Anesthesia, University of North Carolina

Daniel Saddawi-Konefka, MD, MBA, Anesthesia Residency Program Director, Massachusetts General Hospital and Assistant Professor in Anesthesia, Harvard Medical School

Pre-Meeting Event: Mock Study Section

2:00 pm – 3:00 pm

Study Section Leaders:

R Study Section: Christina Pabelack, MD, Mayo Clinic

K Study Section: Vesna Todorovic, MD, PhD, MBA, FASA, University of Colorado

C.R. Stephen Lecture

4:00 pm – 5:00 pm

Carolyn S. Calfee, MD, MAS, Professor of Medicine and Anesthesia, Division of Pulmonary, Critical Care, Allergy and Sleep Medicine, University of California, San Francisco

SATURDAY, MARCH 23, 2024

Breakfast

7:00 am – 8:00 am

President's Welcome Address

8:00 am – 8:15 am

Keynote Speaker

8:15 am – 9:15 am

Wilson M. Compton, MD, MPE, Deputy Director of the National Institute on Drug Abuse (NIDA)

Scientific Advisory Board Panel — Building and Sustaining Anesthesiology Research

9:15 am – 10:15 am

Moderator: C. David Mintz, MD, PhD, Johns Hopkins University School of Medicine

Speakers:

Jiapeng Huang, MD, PhD, FASA, FASE, University of Louisville

continued

SATURDAY, MARCH 23, 2024

Dolores B. Njoku, MD

Washington University in St. Louis

Rene Przkora, MD, PhD, University of Florida

Break & Discussion Time

10:15 am – 10:45 am

Educational Advisory Board Panel — Artificial Intelligence in Medical Education

10:45 am – 11:45 am

Lisa Howley, PhD, MEd, Sr. Director of Strategic Initiatives and Partnerships, Association of American Medical Colleges

Kimberly Lomis, MD, Vice President for Undergraduate Medical Education Innovations, American Medical Association

Break & Discussion Time

11:45 am – 12:00 pm

AUA Luncheon and Awards Ceremony

12:00 pm – 1:15 pm

Poster Sessions

1:15 pm – 2:15 pm

Scientific Panel, Host Program

2:15 pm – 3:45 pm

HOST PROGRAM PANEL I How Chimpanzees are Similar Behaviorally to Humans, and How They are Distinct

Crickette Sanz, PhD, Professor of Biological Anthropology; James W. and Jean L. Davis Professor in Arts and Sciences, Washington University in St. Louis

HOST PROGRAM PANEL II

The Human Gut Microbiome and Its Impact on Health and Disease

Jeffrey Gordon, MD, Dr. Robert J. Glaser Distinguished University Professor; Professor, Pathology & Immunology Professor, Developmental Biology; Professor, Molecular Microbiology, Washington University School of Medicine in St. Louis

Membership Engagement

Board Reception

3:45 pm – 5:00 pm

SPONSORED BY **FAER**
Foundation for Anesthesia Education and Research

President's Reception

6:00 pm – 8:00 pm CT

Saint Louis Art Museum

SUNDAY, MARCH 24, 2024

Women in Academic Anesthesiology Networking Breakfast — Crafting Successful Careers

7:00 am – 8:00 am

Moderator: Cynthia A. Wong, MD, Professor, Chair and DEO of Anesthesia, University of Iowa

Speakers:

Maria Bustillo, MD, FASA, Professor of Clinical Anesthesiology, Professor of Anesthesiology in Clinical Neurological Surgery, Chief Division of Anesthesiology, Weill Cornell Medical College

Peggy P. McNaull, MD, Frederic A. Berry Professor and Chair, Department of Anesthesiology, University of Virginia School of Medicine

Dolores B. Njoku, MD, The Wise Professor of Pediatric Anesthesiology, Adjunct Professor of Pathology and Immunology, Division Chief, Pediatric Anesthesiology and Vice Chair, Department of Anesthesiology, Pediatric Anesthesiologist-in-Chief, St. Louis Children's Hospital

Daryl Oakes, MD, Clinical Professor Anesthesiology, Perioperative and Pain Medicine; Program Director, Adult Cardiothoracic Anesthesia Fellowship; Associate Dean, Post Graduate Medical Education, Stanford University School of Medicine

Breakfast

7:15 am – 8:15 am

President's Session

8:15 am – 9:15 am

Dr. Biyu He, Associate Professor in the Departments of Neurology, Neuroscience and Physiology, and Radiology at NYU Langone Health

Poster Sessions

9:15 am – 10:15 am

Leadership Advisory Board Panel — Successfully Bridging the Gap: Workforce Demographics and the Evolving Face of Academic Anesthesiology

10:15 am – 11:15 am

Moderator: Cynthia A. Wong, MD, Professor and Chair, University of Iowa Department of Anesthesiology

Speakers:

Elizabeth W. Duggan, MD, Associate Professor and Director of Professional Development Collaboration, University of Alabama at Birmingham Department of Anesthesiology and Perioperative Medicine

Craig S. Jabaley, MD, FCCM, Associate Professor and Chief of Critical Care Medicine, Emory University Department of Anesthesiology

Business Meeting & Open Discussion

11:30 am – 12:30 pm

For room names see pages 10-17.

SCAN FOR
DIGITAL
PROGRAM



GENERAL INFORMATION

Welcome to AUA’s 70th Annual Meeting! In this program, you will find the information needed to make the most of your meeting experience. Included is a complete listing of times and locations for all sessions and events, as well as information to help you navigate the hotel and the city. If you have questions that are not addressed in the program, please visit the Registration Desk for help. Thanks for coming to St. Louis—we’re excited to see you!

REGISTRATION AND INFORMATION DESK

Saturday, March 236:30 AM – 4:00 PM
Sunday, March 246:30 AM – 12:00 PM

NAME BADGES Included in your Registration Packet is your name badge—it is a “must have” item to be admitted into the education sessions. If you misplace your badge, please visit the Registration Desk for a replacement.

TRANSPORTATION Shuttles will be provided from The Ritz-Carlton, St. Louis to the Knight Conference Center starting at 6:00 AM on Saturday and Sunday. Shuttles will return to The Ritz-Carlton at the conclusion of each day. Shuttles will also be provided to the St. Louis Art Museum from The Ritz-Carlton and the Knight Conference Center.

POSTER SESSIONS

Saturday, March 231:15 PM - 2:15 PM
Sunday, March 24 9:15 AM - 10:15 AM

Posters will be on display Saturday, 9:00 AM through Sunday, 12:00 PM.

CME ACCREDITATION In support of improving patient care, this activity has been planned and implemented by the **Association of University Anesthesiologists (AUA)**, and **Washington University School of Medicine in St. Louis**. Washington University School of Medicine in St. Louis is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the health care team.



CREDIT AWARDED FOR THIS ACTIVITY

American Medical Association (AMA) Washington University School of Medicine in St. Louis designates this live activity for a maximum of 12.75 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

MEDIA RELEASE POLICY By attending the AUA 2024 Annual Meeting or entering in the facility in which the Annual Meeting takes place, you agree that AUA and/or third parties authorized by AUA photograph or record your likeness, image, name, voice, and/or words, and may publish, display, reproduce, copy, and distribute your likeness, image, name, voice, and/or words for promotional, educational, or membership activities worldwide in all forms of media now known or later developed, including but not limited to advertising, training, websites, presentations, and marketing materials. You further acknowledge that AUA and/or third parties authorized by AUA shall have the right, but not the obligation, to identify you in connection with such media by name and/or affiliation.

WIRELESS LOGIN INFORMATION



Available Networks:
wustl-2.0
wustl-encrypted-2.0
wustl-guest-2.0

Username: wg-cfwifi
Password: WashU213

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PRESIDENT'S MESSAGE



It is my great pleasure to welcome you to the 2024 Annual Meeting of the Association of University Anesthesiologists!

This is a special conference in several regards. First, we celebrate the 70th anniversary of the original AUA meeting. Second, this is the first university-affiliated meeting of the AUA in more than a decade. Our wonderful colleagues in the Department of Anesthesiology at Washington University have been exemplary hosts—I would like to thank Dr. Michael Avidan (a past AUA President), Dr. Dolores Njoku (our incoming AUA President), and the entire Washington University team for all their efforts and support. They have recruited incredibly talented scientists from the Washington University academic community to speak on fascinating topics such as

primatology and the microbiome, and they have also helped us arrange an exciting social event at the Saint Louis Art Museum. In addition to the support of the Washington University Department of Anesthesiology, the University of Michigan has contributed to our 2024 Annual Meeting.

We are fortunate to have Dr. Wilson Compton, Deputy Director of the National Institute on Drug Abuse of the National Institutes of Health, as our keynote speaker. For the President's lecture, we have the great privilege of hearing from Dr. Biyu He, one of the world's leaders in the neurobiology of consciousness. Of note, both Dr. Compton and Dr. He have former ties to Washington University, in keeping with the theme of this university-hosted meeting in Saint Louis. The AUA Scientific, Educational, and Leadership Advisory Boards have assembled exciting and thought-provoking panels, with a focus on shaping the future of academic anesthesiology. Our Membership Engagement Board will be hosting a networking reception sponsored by FAER, and there will also be a networking breakfast for Women in Academic Anesthesiology.

What really makes this AUA Annual Meeting special and distinguishes it from other meetings in academic anesthesiology is you. AUA members are recognized leaders in academic anesthesiology and our associate members are elected based on their upward trajectory and potential for making important contributions to academic anesthesiology in the future. This results in an AUA membership of accomplished, dedicated, like-minded individuals who are committed to a vibrant specialty and diverse community of scholars positioned to transform anesthesiology, medicine, science, and society.

I hope that you enjoy the meeting!

Sincerely,

A handwritten signature in black ink that reads 'George A. Mashour'.

George A. Mashour, MD, PhD

President, Association of University Anesthesiologists (AUA)

Robert B. Sweet Professor & Chair, Department of Anesthesiology,

University of Michigan

Ann Arbor, Michigan

FROM OUR HOST



Washington University School of Medicine in St. Louis

The Washington University Department of Anesthesiology is delighted to host the AUA 2024 Annual Meeting. The Host Committee and the AUA Leadership have assembled a dynamic, engaging and compelling program that we hope you will find educational, exciting and thought-provoking. We also hope that you make the most of your visit to St. Louis, MO. The Washington University Danforth Campus, the site of the meeting, is on the western boundary of Forest Park, a 1300-acre facility that is one of the largest urban parks in the United States and is home to the art museum, science center, history museum, and zoo. The Washington University Danforth Campus is a few blocks from Clayton, Missouri, a business and financial hub with many hotels and restaurants. The Washington University Medical Campus is on the eastern boundary of Forest Park. It is in the Central West End, a trendy and historical urban area with multiple restaurants boasting international cuisine.

At Washington University, we aim to create an environment that encourages and supports wide-ranging exploration at the frontier of discovery by embracing diverse perspectives from individuals of all identities and backgrounds. We strive to enhance the lives and livelihoods not only of our students, patients, and employees, but also of the people of the greater St. Louis community. We achieve this by addressing scientific, social, economic, medical, and other challenges in the local, national, and international realms.

Our annual C.R. Stephen lecture is being held on the medical campus on the first day of the AUA meeting (Friday, March 22), following formal AUA events. Dr. Carolyn S. Calfee, MD, MAS, Professor of Medicine and Anesthesia, Division of Pulmonary, Critical Care, Allergy and Sleep Medicine, University of California, San Francisco will speak about “Molecular Phenotyping of Critical Illness: Is it Time for Precision Critical Care?”

On the following day (Saturday, March 23), as part of our Host program, Dr. Crickette Sanz and Dr. Jeffrey Gordon will be delivering talks. Dr. Sanz is the James W. and Jean L. Davis Professor of Arts and Sciences at Washington University in St. Louis and a Professor of Biological Anthropology. She will speak on “How Chimpanzees are Similar Behaviorally to Humans, and How They are Distinct”. Dr. Jeffrey Gordon is the Dr. Robert J. Glaser Distinguished University Professor at Washington University in St. Louis and a Professor of Pathology and Immunology, Developmental Biology and Molecular Microbiology. He will speak on “The Human Gut Microbiome and its Impact on Health and Disease”. They are both internationally acknowledged as leaders in their fields.

St. Louis is a vibrant metropolitan area with multiple eclectic neighborhoods. In this town we love our parks, our arts and our sports. St. Louis provides a lively cultural environment with free admission to the zoo and many museums, a burgeoning foodie scene, as well as nationally ranked professional baseball, soccer, and hockey teams.

Thank you for your attendance at this historic 70th AUA annual meeting! We look forward to meeting you in St. Louis!

Sincerely,

Dolores B. Njoku, MD

The Rudolph L. and Mary Frances Wise Endowed Chair in Pediatric Anesthesiology
Professor of Anesthesiology, Pathology and Immunology
Division Chief, Pediatric Anesthesiology and Vice Chair
Pediatric Anesthesiologist-in-Chief,
St. Louis Children's Hospital

Robert Gereau, PhD

Dr. Seymour & Rose T. Brown Professor of Anesthesiology
Vice Chair for Research
Director of the Washington University Pain Center

Michael Avidan, MBBCh, FCA SA

Dr. Seymour & Rose T. Brown Professor of Anesthesiology
Head of the Department of Anesthesiology

Washington University School of Medicine



The mission of Washington University School of Medicine is to lead in advancing human health through the best clinical care, innovative research and the education of tomorrow's leaders in biomedicine in a culture that supports diversity, inclusion, critical thinking and creativity.

Our faculty, students, trainees and staff are pushing the bounds of medicine and improving health in our community and around the world.

Washington University School of Medicine is committed to advancing human health in a culture that supports diversity, inclusion, critical thinking and creativity. As international leaders in patient care, research and education, our outstanding faculty has contributed major discoveries and innovations in the fields of science and clinical medicine since the school's founding in 1891.

Located on the Washington University Medical Campus adjacent to the Cortex Innovation Community, we are one of seven schools of Washington University in St. Louis.

FACULTY Our faculty members are recognized nationally and worldwide as leaders in their fields. On campus, they're also known as committed mentors and collaborators. Scientists, physicians, and experts in policy and public health, their countless efforts to advance knowledge, improve care and save lives range from the molecular to global, the biological to social.

Our faculty currently includes 16 National Academy of Sciences fellows, 28 members of the National Academy of Medicine and 12 investigators with NIH MERIT status. They have earned 112 individual and/or institutional NIH career development awards and 64 career development awards from non-federal agencies. In addition, 19 Nobel laureates are associated with the School of Medicine.

EDUCATION AND TRAINING Our students learn from master clinicians and researchers while pursuing their studies in a wide array of academic departments and programs. Students select Washington University for the culture of camaraderie and support, a flexible curriculum and outstanding opportunities after graduation. Our programs in medical education (MD), occupational therapy, audiology and communication sciences, and physical therapy are considered to be among the very best in the nation.

In addition, over 1,300 residents and clinical fellows train with our faculty in nearly 200 specialty and subspecialty training programs.

PATIENT CARE Our students and trainees care for patients and gain experience alongside our faculty at our nationally ranked teaching hospitals, Barnes-Jewish Hospital and St. Louis Children's Hospital, where our faculty members serve as the medical staff. We see and treat patients at dozens of additional locations across the St. Louis region as well.

The School of Medicine's clinical practice, Washington University Physicians, includes more than 1,800 clinical faculty members. One out of every three Top Doctors in St. Louis is a Washington University Physician, according to the 2022 Castle Connolly Top Doctors® List.

RESEARCH A robust research enterprise, the School of Medicine received more than \$838.3 million in faculty grants and contracts during the 2022 fiscal year. Our faculty, staff and students advance the application of research discoveries to clinical care through multidisciplinary collaborations.

Our clinical faculty additionally oversee a wide array of clinical trials, which offer people the opportunity to participate in studies evaluating the effectiveness of investigational treatments and disease prevention strategies.

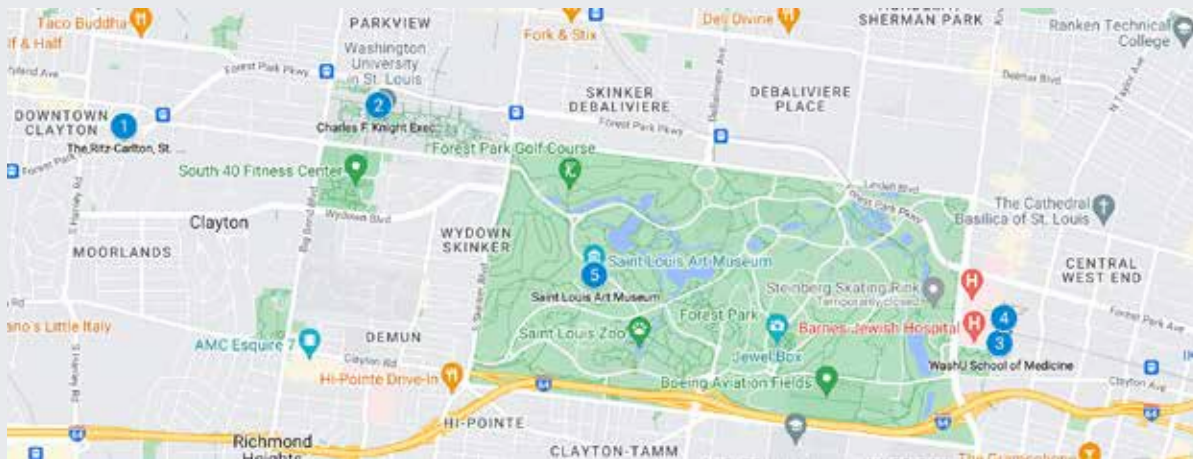
Charles F. Knight Executive Education and Conference Center



Welcome to the Charles F. Knight Executive Education & Conference Center, the premier corporate and private event venue located on the scenic grounds of Washington University in St. Louis. Our state-of-the-art facility is specifically designed to provide an exceptional experience for all types of events, including executive training and team-building activities.

Location: Throop Drive & Snow Way Drive, St. Louis, MO 63130
Telephone: 314-933-9400

AREA MAPS



Legend

- 1 The Ritz-Carlton, St. Louis
- 2 Charles F. Knight Executive Education & Conference Center
- 3 WashU School of Medicine
- 4 EPNEC Auditorium
- 5 Saint Louis Art Museum

CENTRAL WEST END (CWE)

Where else can you find the best restaurants, bistros, bars, shopping, galleries, and entertainment in St. Louis? Look no further — it's all right here in the Central West End!

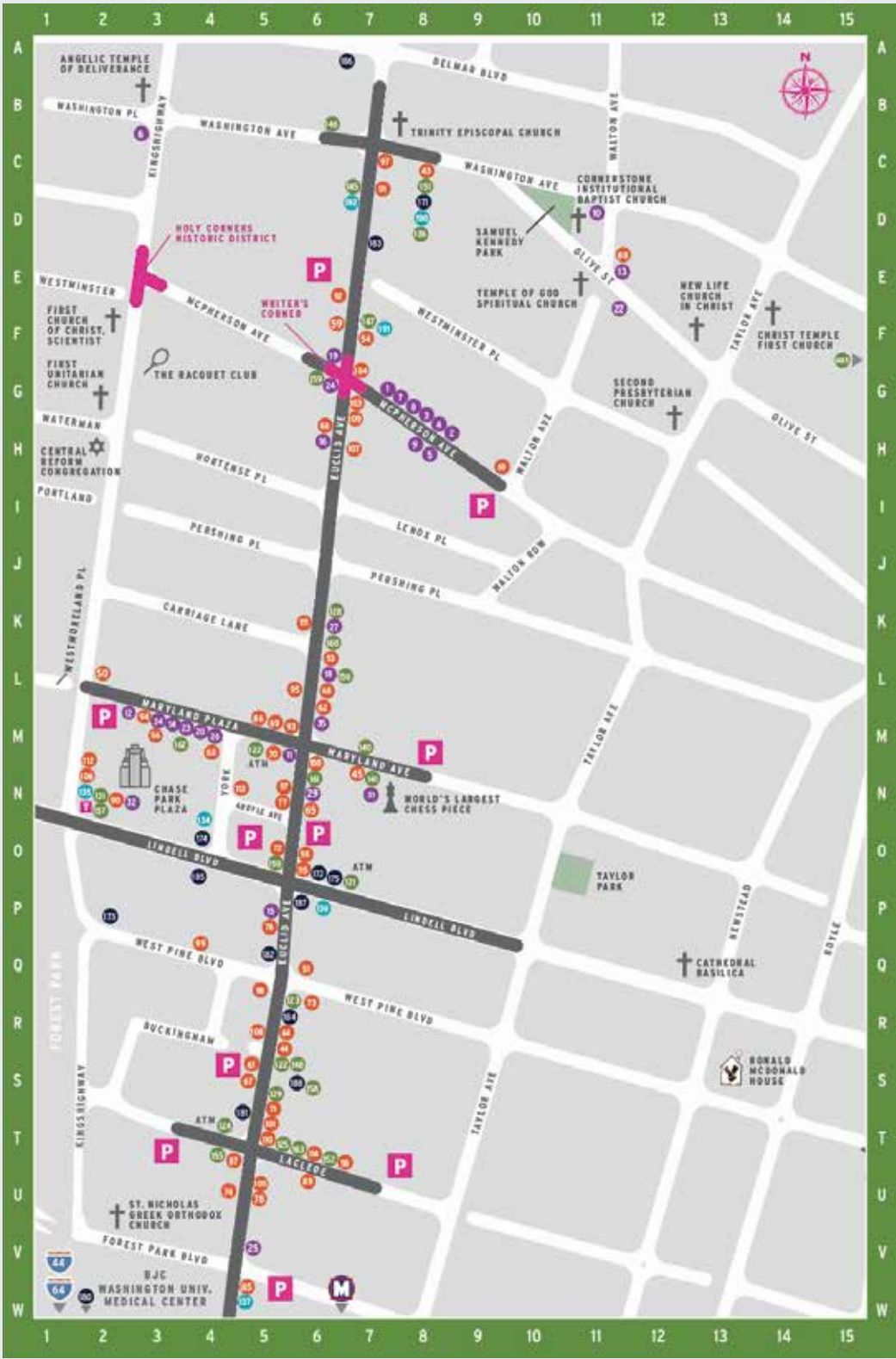
The Central West End, named by the American Planning Association as one of America's Top 10 Neighborhoods, features an exciting mix of St. Louis' best dining, entertainment, shopping, and nightlife in a setting where delightful discoveries and impromptu adventures just happen.

The CWE is a growing neighborhood rich with history, ready to embrace the changing urban environment. In an atmosphere of historic St. Louis architecture and pedestrian-and bike-friendly streets, you'll find great places to shop, dine, and explore. Home to some of St. Louis's oldest shops, one-of-a-kind businesses, and unique attractions such as The World Chess Hall of Fame, the CWE is often described as 'urban eclectic.' The charming people and places of the CWE evoke a feeling of community and create a sense of place throughout the neighborhood — a neighborhood with endless energy.

Euclid Avenue serves as the Main Street of the Central West End, connecting Maryland Plaza, McPherson Avenue, and Washington Avenue with more than 75 shops, galleries, restaurants, bars, salons, hotels, and other businesses. All walks of life happily co-exist on the streets of the CWE, from art lovers, foodies and shoppers, to students, residents and our four-legged friends — there is something for everyone in this one-of-a-kind urban setting.

The streetscape is characterized by its stunning architecture, including a mix of the finest French Tudor, Colonial, Federal, Greek Revival, Mid-Century, and Postmodern styles in the St. Louis area. Surrounding the Central West End are some of the most prestigious single-family homes and private streets in the Midwest. This urban oasis is bolstered by the Washington University School of Medicine, Barnes-Jewish Hospital, and Forest Park — the nation's seventh-largest urban park.

Conveniently located in the heart of the city, the CWE has something for everyone.



CENTRAL WEST END (CWE)

ATTRACTIONS

- 140 St. Louis Chess Club..... 4657 Maryland
- 141 World Chess Hall of Fame 4652 Maryland

COFFEE

- 43 Coffee Club..... 4818 Washington
- 44 Kaldi's..... 52 N. Euclid
- 45 Starbucks..... 4656 Maryland

BARS/LOUNGE

- 53 Brennan's..... 316 N. Euclid
- 54 Club Viva..... 408 N. Euclid
- 55 Lazy Tiger..... 210 N. Euclid
- 56 Maryland House 44 Maryland Plaza
- 57 Pagan..... 239 N. Euclid
- 58 Rosie's..... 4573 Laclede

DINING

- 86 Bar Italia 13 Maryland Plaza
- 89 Brasserie 4580 Laclede
- 90 Chase Club..... 212 N.Kingshighway
- 91 Cocina Latina..... 508 N. Euclid
- 92 Dressel's 419 N. Euclid
- 93 Drunken Fish 1 Maryland Plaza
- 97 Evangeline..... 512 N. Euclid
- 98 First Watch 313 N. Euclid
- 99 Kampai Sushi..... 4949 West Pine
- 101 Little Saigon..... 10 N. Euclid
- 109 Salt & Smoke..... 392 N. Euclid
- 114 West End Wok..... 4577 Laclede
- 115 Yellowbelly 4659 Lindell

AGENDA: FRIDAY, MARCH 22

PRE-MEETING EVENT

FUNDAMENTALS OF PROFESSIONAL MENTORING

11:00 am – 3:00 pm **Classroom 211**

Harriet Hopf, MD, Professor, Director of Faculty Development and Academic Affairs in the Department of Anesthesiology at the University of Utah



Harriet Hopf, MD, Professor and Director of Faculty Development and Academic Affairs in the Department of Anesthesiology at the University of Utah, is a recognized expert in developmental relationships, including mentoring, advising, sponsorship, and coaching. In leadership roles in the School of Medicine, across campus, and at the national level, she has collaborated with a wide range of stakeholders to advance policies and practices related to faculty success. She is Co-Director of the Utah Coaching and Advancement Network (U-CAN), which provides professional effectiveness and career advancement coaching programs and coaching and mentoring skills workshops for trainees, faculty, and staff across Utah Health. Dr. Hopf teaches a semester-long elective, Developmental Relationships, for the Master of Education in Health Sciences Education program. Numerous awards highlight her success as a mentor, including the 1999 UCSF Inaugural UCSF Graduate Students Association Faculty Mentorship Award, 2013 FAER Mentoring Excellence in Research Award, the 2017 University of Utah Linda K. Amos Award for Distinguished Service to Women, and the 2019 Inaugural Women in Anesthesiology Distinguished Service Award.

TEAM MEMBERS



Maurice Joyce, MD, EdM, Program Director, Anesthesiology Residency Program; Assistant Professor of Anesthesiology, Tufts Medical Center

Stephen Kimatian, MD, FAAP, Professor of Anesthesiology, Vice Chairman of Pediatric Anesthesiology, Department of Anesthesiology and Pain Management, UT Southwestern

Susan Martinelli, MD, FASA, Residency Program Director, Professor of Anesthesiology, Division of Cardiothoracic Anesthesia, University of North Carolina

Daniel Saddawi-Konefka, MD, MBA, Anesthesia Residency Program Director, Massachusetts General Hospital and Assistant Professor in Anesthesia, Harvard Medical School

AGENDA:

11:00 am–11:30 am
Introduction to Mentoring

11:30 am–12:30 pm
What You Bring to the Table as a Mentor

12:30 pm–to 1:00 pm
Lunch

1:00 pm–1:30 pm
Setting Ground Rules and Commitments

1:30 pm–2:00 pm
Building Trust in a Mentoring Relationship

2:00 pm–2:30 pm
Using Coaching Skills in Mentoring

2:30 pm–3:00 pm
Wrap-Up and Comments

PRE-MEETING EVENT

MOCK STUDY SECTION

4:00 pm – 5:00 pm **O'Donnell Lounge**



Study Section Leaders:

R Study Section

Christina Pabelack, MD, Mayo Clinic

K Study Section

**Vesna Todorovic, MD, PhD, MBA, FASA,
University of Colorado**

C.R. STEPHEN LECTURE

4:00 pm – 5:00 pm **EPNEC Auditorium***



**Carolyn S. Calfee, MD, MAS, Professor of Medicine and Anesthesia,
Division of Pulmonary, Critical Care, Allergy and Sleep Medicine,
University of California, San Francisco**

Carolyn S. Calfee, MD, MAS, is Professor of Medicine and Anesthesia at the University of California, San Francisco, where she attends in the intensive care units. She received her medical degree from University of Pennsylvania and completed her residency, chief residency, and fellowship at University of California, San Francisco. Her primary academic focus is the pathogenesis and treatment of the acute respiratory distress syndrome (ARDS), with special interest in molecular phenotypes and precision medicine in critical care, the role of environmental exposures in acute lung injury, and novel treatments for ARDS and sepsis.

ABOUT THE ANNUAL C.R. STEPHEN LECTURE The annual C.R. Stephen Lecture honors the first chair of the anesthesiology department at the School of Medicine, C. Ronald Stephen, MD, FFARCS. Washington University School of Medicine named anesthesiologist-in-chief at Barnes-Jewish and St. Louis Children's hospitals. Following his retirement from academic medicine in 1980, he served as chief of anesthesiology at St. Luke's Hospital, St. Louis, for five years. Dr. Stephen was known for his devotion to teaching, pioneering two anesthetics — Halothane and Ketamine — and developing inhalers, valves, and vaporizers for more controlled administration of anesthetics. Learn more about Dr. Stephen.

This lecture is partially funded by gifts from Dr. Stephen's former colleagues, trainees, and friends who generously endowed the C.R. Stephen Lecture Fund.

Learn More: www.anesthesiology.wustl.edu/cr-stephen-lectures

* C.R. Stephen Lecture will be held in the EPNEC auditorium on the medical school campus

AGENDA: SATURDAY, MARCH 24

REGISTRATION & BREAKFAST

7:00 am to 8:00 am.....Frick Forum

PRESIDENT'S WELCOME ADDRESS

8:00 am – 8:15 am.....Emerson Auditorium



George A. Mashour, MD, PhD
President, AUA
*Robert B. Sweet Professor & Chair, Department of Anesthesiology,
University of Michigan*

KEYNOTE SPEAKER

8:15 am – 9:15 amEmerson Auditorium



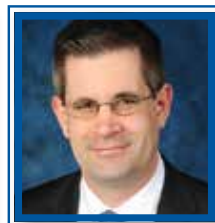
Wilson M. Compton, MD, MPE
Deputy Director of the National Institute on Drug Abuse (NIDA)

Wilson M. Compton, MD, MPE, is Deputy Director of the National Institute on Drug Abuse (NIDA) of the National Institutes of Health, where he has worked since 2002. Dr. Compton received his undergraduate education at Amherst College and medical education, including psychiatry training, at Washington University in St. Louis. Over his career, Dr. Compton has authored over 250 publications and often speaks at high-impact venues. He was a member of DSM-5's Revision Task Force and has led, for NIDA, development of the Population Assessment of Tobacco and Health Study, jointly sponsored by NIDA and the U.S. Food and Drug Administration (FDA), with 45,971 participants. Dr. Compton has received multiple awards, including FDA awards for collaboration in 2012, 2013 and 2017, and the Health and Human Services Secretary's Awards for Meritorious Service in 2013 and Distinguished Service in 2015, 2018 and 2019.

SCIENTIFIC ADVISORY BOARD PANEL

— BUILDING AND SUSTAINING ANESTHESIOLOGY RESEARCH

9:15 am – 10:15 am.....Emerson Auditorium



Moderator: *C. David Mintz, MD, PhD, Johns Hopkins University School of Medicine*

Speakers: *Jiapeng Huang, MD, PhD, FASA, FASE, University of Louisville*

Dolores B. Njoku, MD, Washington University in St. Louis

Rene Przkora, MD, PhD, University of Florida

AGENDA: SATURDAY, MARCH 24



BREAK & DISCUSSION TIME

10:15 am – 10:45 amFrick Forum

EDUCATIONAL ADVISORY BOARD PANEL — ARTIFICIAL INTELLIGENCE IN MEDICAL EDUCATION

10:45 am – 11:45 amEmerson Auditorium



Lisa Howley, PhD, MEd, Sr. Director of Strategic Initiatives and Partnerships, Association of American Medical Colleges

Kimberly Lomis, MD, Vice President for Undergraduate Medical Education Innovations, American Medical Association

BREAK & DISCUSSION TIME

11:45 am – 12:00 pmFrick Forum

AUA LUNCHEON & AWARDS CEREMONY

12:00 pm – 1:15 pm3rd Floor Atrium

Award recipients listed on page 24-25.

POSTER SESSIONS

1:15 pm – 2:15 pmFrick Forum

SCIENTIFIC PANEL, HOST PROGRAM

2:15 pm – 3:45 pmEmerson Auditorium

Host Program Panel I: How Chimpanzees are Similar Behaviorally to Humans, and How They are Distinct



Crickette Sanz, PhD, Professor of Biological Anthropology; James W. and Jean L. Davis Professor in Arts and Sciences, Washington University in St. Louis

Professor Sanz' research focuses on understanding the factors which have led to the emergence and promoted the maintenance of behavioral diversity in primates. She is particularly interested in the variation of social organization and material culture that has been documented among wild chimpanzee populations.

Her research involves field studies and collaborative projects to examine intraspecific variation in the behavioral ecology of wild chimpanzees.

As co-principal investigators of the Goulougo Triangle Ape Project in northern Republic of Congo, David Morgan and Sanz are conducting field studies to examine the behavioral ecology of the central subspecies of chimpanzee (*Pan troglodytes troglodytes*), the social and ecological factors shaping their complex tool using traditions, and the effects of anthropogenic disturbance on sympatric chimpanzees and gorillas. These studies hold important insights for elucidating the role of ultimate and proximate forces in primate evolutionary history, which will aid in constructing valid models of human evolution from our closest living relatives.

Learn more about Dr. Sanz' work with The Goulougo Triangle Ape Project: www.congo-apes.org/our-team

AGENDA: SATURDAY, MARCH 24

SCIENTIFIC PANEL, HOST PROGRAM *continued*

HOST PROGRAM PANEL II:

The Human Gut Microbiome and Its Impact on Health and Disease



Jeffrey Gordon, MD, *Dr. Robert J. Glaser Distinguished University Professor; Professor, Pathology & Immunology Professor, Developmental Biology; Professor, Molecular Microbiology, Washington University School of Medicine in St. Louis*

Jeffrey Gordon received his A.B. from Oberlin College and his M.D. from the University of Chicago. He completed his clinical training in internal medicine and gastroenterology at Washington University, and was a post-doctoral fellow in the Laboratory of Biochemistry at NIH's National Cancer Institute. He has spent his entire academic career at Washington University, first as a member of the Departments of Medicine and Biological Chemistry, then as Head of the Department of Molecular Biology and Pharmacology, and since 2004, as founding Director of the University's interdepartmental Edison Family Center for Genome Sciences and Systems Biology. He has had the privilege and pleasure of serving as the research mentor to 145 PhD and MD/PhD students and post-doctoral fellows since he established his lab.

He is a member of the National Academy of Sciences, the American Academy of Arts and Sciences, the National Academy of Medicine, and the American Philosophical Society.

He is a Thomson Reuters Citation Laureate (Physiology or Medicine; 2015) and holds 25 US patents.

The work of the lab has been recognized by a number of awards, including the Selman A. Waksman Award in Microbiology from the National Academy of Sciences (2013), the Robert Koch Award (2013), the Dickson Prize in Medicine (2014), the Keio Medical Science Prize (2015), the Massry Prize (2017), the Louisa Gross Horwitz Prize (2017), the Copley Medal from the Royal Society (2018), the BBVA Frontiers of Knowledge Award in Biology and Biomedicine (2018), the Balzan Prize (2021), the David and Beatrix Hamburg Award for Advances in Biomedical Research and Clinical Medicine from the National Academy of Medicine (2022), the Dr. Paul Janssen Award for Biomedical Research (2023), and the Princess of Asturias Award for Technical and Scientific Research (2023).

Learn more about Gordon Lab: www.gordonlab.wustl.edu.

MEMBERSHIP ENGAGEMENT BOARD RECEPTION

3:45 pm – 5:00 pm.....**Frick Forum**

SPONSORED BY 
FAER
*Foundation for Anesthesia
Education and Research*

PRESIDENT'S RECEPTION

6:00 pm – 8:00 pm**Saint Louis Art Museum**

Transportation will be provided

THE SAINT LOUIS ART MUSEUM



The museum was founded in 1879 as the Saint Louis School and Museum of Fine Arts, an independent entity within Washington University in St. Louis. The Saint Louis Art Museum collects, presents, interprets, and conserves works of art of the highest quality across time and cultures; educates, inspires discovery, and elevates the human spirit; preserves a legacy of artistic achievement for the people of St. Louis and the world; and engages, includes, and represents the full diversity of the St. Louis community supporting it.

The Saint Louis Art Museum was founded in 1879, at the close of a decade that saw the establishment of art museums in great cities across the eastern half of the United States. This Museum's comprehensive collections bear witness to the inspirational and educational goals to which its founder aspired and the moral and democratic imperatives he embraced. What began as a collection of assorted plaster casts, electrotype reproductions, and other examples of good design in various media rapidly gave way to a great and varied collection of original works of art spanning five millennia and six continents. Today the quality and breadth of the Museum's collection secure for it a place among the very best institutions of its kind.



AGENDA: SUNDAY, MARCH 25

REGISTRATION & BREAKFAST

7:15 am to 8:15 amFrick Forum

WOMEN IN ACADEMIC ANESTHESIOLOGY NETWORKING BREAKFAST — CRAFTING SUCCESSFUL CAREERS

7:00 am – 8:00 am CT.....O'Donnell Lounge



Moderator: *Cynthia A. Wong, MD, Professor, Chair and DEO of Anesthesia, University of Iowa*

Speakers: *Maria Bustillo, MD, FASA, Professor of Clinical Anesthesiology, Professor of Anesthesiology in Clinical Neurological Surgery, Chief Division of Anesthesiology, Weill Cornell Medical College*

Peggy P. McNaull, MD, Frederic A. Berry Professor and Chair, Department of Anesthesiology, University of Virginia School of Medicine

Dolores B. Njoku, MD, The Wise Professor of Pediatric Anesthesiology, Adjunct Professor of Pathology and Immunology, Division Chief, Pediatric Anesthesiology and Vice Chair, Department of Anesthesiology Pediatric Anesthesiologist-in-Chief, St. Louis Children's Hospital

Daryl Oakes, MD, Clinical Professor Anesthesiology, Perioperative and Pain Medicine; Program Director, Adult Cardiothoracic Anesthesia Fellowship; Associate Dean, Post Graduate Medical Education, Stanford University School of Medicine

PRESIDENT'S SESSION

8:15 am – 9:15 amEmerson Auditorium



Dr. Biyu He, Associate Professor in the Departments of Neurology, Neuroscience and Physiology, and Radiology at NYU Langone Health

Dr. He is an Associate Professor in the Departments of Neurology, Neuroscience and Physiology, and Radiology at NYU Langone Health. She obtained her B.S. in Biology from Tsinghua University and her Ph.D. in Neuroscience from Washington University in St. Louis. Prior to joining NYU Langone, she led her own independent research group in the intramural research program of the National Institute of Neurological Disorders and Stroke, with an intramural equivalent of the NIH Director's Early Independence Award. Her research uses a combination of invasive and non-invasive multimodal human brain imaging, brain stimulation, and computational and theoretical approaches to investigate the neural bases of conscious vs. unconscious processing in the human brain.

AGENDA: SUNDAY, MARCH 25



POSTER SESSIONS

9:15 am – 10:15 amFrick Forum

LEADERSHIP ADVISORY BOARD PANEL — SUCCESSFULLY BRIDGING THE GAP: WORKFORCE DEMOGRAPHICS AND THE EVOLVING FACE OF ACADEMIC ANESTHESIOLOGY

10:15 am – 11:15 amEmerson Auditorium



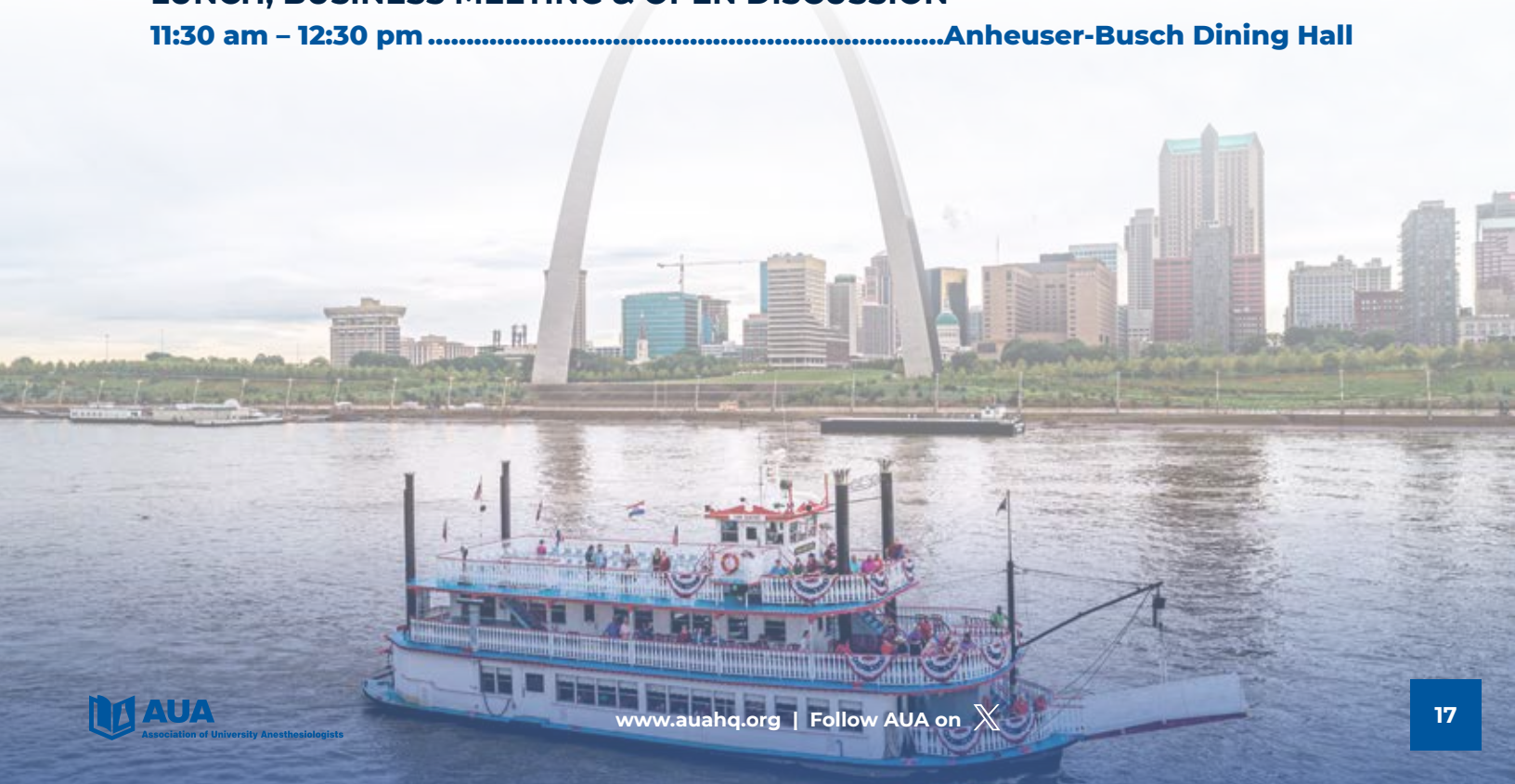
Moderator: *Cynthia A. Wong, MD; Professor and Chair, University of Iowa Department of Anesthesiology*

Speakers: *Elizabeth W. Duggan, MD; Associate Professor and Director of Professional Development Collaboration, University of Alabama at Birmingham Department of Anesthesiology and Perioperative Medicine*

Craig S. Jabaley, MD, FCCM; Associate Professor and Chief of Critical Care Medicine, Emory University Department of Anesthesiology

LUNCH, BUSINESS MEETING & OPEN DISCUSSION

11:30 am – 12:30 pmAnheuser-Busch Dining Hall



AUA 2024 POSTERS

Posters will be displayed in Frick Forum

Saturday, March 23.....1:15 PM - 2:15 PM

Sunday, March 24 9:15 AM - 10:15 AM

Posters will be on display Saturday, 9:00 AM through Sunday, 12:00 PM.

SUB-SPECIALTIES

Anesthetic Pharmacology

Cardiovascular Anesthesiology

Critical Care

Economics, Education and Policy

Geriatric Anesthesia

Liver

**Neuroscience in Anesthesiology and
Perioperative Medicine**

Obstetric Anesthesiology

Pain Mechanisms

Pain Medicine

Patient Blood Management

Patient Safety

Pediatric Anesthesiology

Perioperative Anesthesia

Regional Anesthesia

Respiration

**Technology, Computing and Simulation,
Equipment Monitoring**

Trauma

Posters will be displayed in Frick Forum

ANESTHETIC PHARMACOLOGY

- 1 Anesthetic Induces Mitochondrial Dysfunction Via Amino Acid-Dependent Interference Of ATP Synthase And ADP Interaction**
Feng Liang, MD, PhD
Mass General Brigham
- 2 A Rat Model Of Repeated, High-Dose Fentanyl Abuse Reveals Minimal Tolerance To Unconsciousness, Muscle Rigidity And Respiratory Depression**
David P. Obert, MD
Massachusetts General Hospital
- 3 NADH Delays Anesthetic Recovery Dose-Dependently In Rodents**
Candida L. Goodnough, MD, PhD
Stanford University
- 4 Use Of Total Intravenous Anesthesia Versus Inhaled Anesthesia In Elective Non-Cardiac Surgery: A Cross Sectional Retrospective Observational Study**
Bethany R. Tellor Pennington, PharmD, BCPS
Washington University School of Medicine

CARDIOVASCULAR ANESTHESIOLOGY

- 5 Assessment Of Endocrinologists' Role In SGLT2i Prescription For Patients With Type 2 Diabetes Mellitus After CABG**
Yangtian Yi, MD
Massachusetts General Hospital
- 6 Diversity And Health Equity Website Content For United States Fellowships In Adult Perioperative Cardiovascular Medicine**
Trevor S. Sutton, MD, MBA, CPE
University of Connecticut School of Medicine

CRITICAL CARE

- 7 Adaptation And Change Science: Improving Success And Sustainability Of A Deimplementation Program**
Enyo Ablordeppey, MD, MPH
Washington University SOM
- 8 Chronic Neurobehavioral Changes Following Multiple Simulated Aeromedical Evacuations In A Ferret Model Of Under-Vehicle Blast-Induced Traumatic Brain Injury**
Molly J. Goodfellow, PhD
University of Maryland, Baltimore

- 9 Global Cerebral Ischemia Decreases Dendritic Spine Density, Enhances Microglial Reactivity, And Increases Microglial/Synapse Co-Localization In A Mouse Model Of Cardiac Arrest**
Jacob Basak, MD, PhD
The University of Colorado School of Medicine
- 10 Isoflurane And Propofol Differentially Modulate Hepatic Cancer-Associated Genes In A Rat Model Of Abdominal Sepsis**
Nadia Lunardi, MD, PhD
University of Virginia

ECONOMICS, EDUCATION AND POLICY

- 11 A Single-Site Pilot To Quantify The Clinical Experience Of Residents With Intraoperative Hemorrhage Resuscitation Using Electronic Health Record Data**
Matthew Caldwell, MD
University of Michigan
- 12 Anesthesiology Summer Research (ASSURE) Fellowship - Increasing Access To Careers In Anesthesiology**
Bobbie J. Brown, BA
WUSTL
- 13 Diversity, Equity, And Inclusion Curricula: A Survey Of Anesthesiology Residency Programs**
Enyo Ablordeppey, MD, MPH
Washington University SOM
- 14 Educating Anesthesiology Residents And Their Support Persons To Improve Relationships And Increase Wellness: A Multi-Site Study**
Susan M. Martinelli, MD
University of North Carolina
- 15 Methods To Evaluate And Improve Anesthesiologist Faculty Recruitment At An Academic Medical Center**
Katherine H. Loh, MD
Vanderbilt University Medical Center
- 16 Temperature Check: Assessment Of DEI Perceptions And Barriers In Academic Anesthesiology**
Enyo Ablordeppey, MD, MPH
Washington University SOM

AUA 2024 POSTERS

Posters will be displayed in Frick Forum

GERIATRIC ANESTHESIA

- 17 Tau Protein And Gut Microbiota Correlation In Patients With Postoperative Delirium.**
Yiyang, Zhang
Harvard Medical School/Massachusetts General Hospital

LIVER

- 18 ELOVL1 Dysregulates Fatty Acid Biosynthesis In Male Mice With Non-Alcoholic Steatohepatitis**
Dolores B. Njoku, MD
Washington University in St. Louis

NEUROSCIENCE IN ANESTHESIOLOGY AND PERIOPERATIVE MEDICINE

- 19 Anesthesia Alters Complexity Of Stimulus-Induced Neuronal Firing Patterns In Rat Visual Cortex**
Duan Li, PhD, University of Michigan
- 20 Disruption Of Thalamic Matrix Cell Connectivity Underlies Propofol-Induced Loss Of Consciousness In Humans**
Zirui Huang, PhD
University of Michigan Medical School
- 21 Effect Of A Postoperative Ketamine Infusion On Electroencephalogram Slow-Wave Activity During Sleep: A Potential Mediator For Antidepressant Effects**
Braeden C. Benedict, MS
Washington University in St. Louis
- 22 Evidence For Anesthetic Hysteresis In Humans**
Andrew McKinstry-Wu, MD
University of Pennsylvania
- 23 Longitudinal Transcriptomics Reveals Early Response Signatures Of Postoperative Delirium In Older Adults Undergoing Elective Cardiac Surgery**
S. Kendall Smith, MD, PhD
Washington University in St. Louis School of Medicine
- 24 Mapping Brainwide Cellular Resolution Neural Activity Under Isoflurane Anesthesia In Mice**
Mitra Heshmati, MD, PhD
University of Washington
- 25 Neural Correlates Of Steady-State Lidocaine Infusion In Humans: A Functional MRI Study Of Pain Response And Resting-State Connectivity**
Keith M. Vogt, MD, PhD, University of Pittsburgh

- 26 Nitrous Oxide Activates Deep Cortical Neurons Via SK2 Channel Inhibition For Antidepressant Effect**
Joseph M. Cichon, MD, PhD, University of Pennsylvania
- 27 Nociceptin-Based Arousal System In Mouse Model For Developing Molecular And Circuit-Specific Anesthetic**
Li Li, MD, PhD
U of Washington, Seattle Children's Research Institute
- 28 Preoperative Predictors Of Postoperative Worsening Anxiety And Depression Measured Using Ecological Momentary Assessment**
Eli Aminpour, BS
Washington University School of Medicine in St. Louis
- 29 The Impact Of Encephalopathy On A Processed Electroencephalographic Metric In Adults: A Single Center Retrospective Case-Control Study**
Vikas N. O'Reilly-Shah, MD, PhD, FASA
University of Washington
- 30 The Monocyte-Mediated Effects Of Blood Phosphorylated Tau On Perioperative Neurocognitive Disorder In Mice**
Yuanlin Dong, MD, MS
Massachusetts General Hospital
- 31 Thermotherapy Reduces Blood Tau-PT217 And Mitigates Postoperative Delirium-Like Behavior In Aged Mice Via Decreasing Serum Amyloid A**
Miao Xu, MD
Massachusetts General Hospital

OBSTETRIC ANESTHESIOLOGY

- 32 Decoding The Impact Of Preeclampsia And Cognitive Function Using Cerebrospinal Fluid Proteomics Biomarkers**
Andrea J. Ibarra, MD, MS
University of Pittsburgh Medical Center
- 33 Sex-Dependent Metabolic Programming Of Rat Offspring After Induced Labor With Oxytocin**
Arvind Palanisamy, MD
Washington University in St. Louis

Posters will be displayed in Frick Forum

PAIN MECHANISMS

- 34 A Decrease In Perineuronal Nets In The Mesencephalic Reticular Formation Is Observed In Mouse Models Of Migraine And Medication Overuse Headache**
Jhoan, Aguilar, BS
Washington University in Saint Louis
- 35 Electrophysiological Characteristics Of Sacral Spinal Cord Projecting Rostroventral Medulla Neurons In Cystitis Model Mice**
Vijay Samineni, PhD
Washington University St. louis
- 36 Hypoexcitability Of Accumbal-Projecting Mesolimbic Dopamine Neurons Is Associated With Altered Performance On Reward Learning Tasks In A Mouse Model Of Chronic Pain**
Jeremy M. Thompson, MD, PhD
Washington University in St. Louis
- 37 Kappa Opioid Receptor Potentiated Cold Hypersensitivity Is Transient Receptor Potential Ankyrin 1-Dependant In Male Mice But Not In Female Mice**
Manish Kumar Madasu, PhD
Washington University School of Medicine
- 38 Mu Opioid Receptor Knockout In Rostral Ventromedial Medulla (RVM) Neurons Versus Presynaptic Terminals Has Divergent Effects On Acute Pain Phenotypes In Mice**
Jamie Moffa
Washington University in St. Louis
- 39 Reduction Of GSH Synthesis Induced By Mitochondrial Metabolic Dysfunction Contributes To The Progression Of Fibromyalgia**
Ling Jiang, PhD
West China Second Hospital of Sichuan University
- 40 Role Of Prolactin On Pain Thresholds In Adolescents**
Joel W. Brown, RN
Washington University School of Medicine in St. Louis
- 41 The Association Of Postoperative Acute Pain Trajectories With Subsequent Risk Of Chronic Post-Surgical Pain: A Prospective Cohort Study In Patients Undergoing Abdominal Surgery**
Dongxu Chen, PhD, West China Second Hospital

- 42 Sex Differences In Thermal Pain Sensitivity Among Healthy Adolescents: Interim Analysis**
Gourav Banerjee, PhD, PT
Washington University School of Medicine

PAIN MEDICINE

- 43 Does Effective Management Of Insomnia Improve Chronic Pain In People With HIV? A Pilot Study Of Brief Behavioral Treatment For Insomnia**
Burel R. Goodin, PhD
Washington University School of Medicine in St. Louis
- 44 Genome-Wide Association Study Of Chronic Postsurgical Pain**
Stephan Frangakis, MD, PhD
University of Michigan
- 45 Identification Of The Propofol Binding Site In HCN1 Channels**
Verena Burtscher, PhD
Washington University in St. Louis School of Medicine
- 46 Insurance Type Predicts Unplanned Postsurgical Care Encounters Among Patients On Long-Term Opioid Therapy**
Limi Sharif, MS
University of Michigan Medical School
- 47 Low-Dose Interleukin-2 As A Treatment For Traumatic Brain Injury-Induced Cognitive Deficit And Pain In Mice**
Tingting Guo, PhD
Washington university in St. Louis
- 48 Protocol To Introduce Gait Analysis For The Study And Quantification Of Neuropathic Lower Limb Pain**
Sade Orejobi, BS
National Institutes of Health
- 49 Investigation Of The Association Between Preoperative Anxiety And Depression Symptoms And Acute Postoperative Pain**
Haley Bernstein, BS
Washington University in St. Louis
- 50 The Effect Of Systemic Lidocaine On Oxaliplatin-Induced Cold Hypersensitivity And Peripheral Neuropathy: A Translational Study**
Harutyun Alaverdyan, MD, PhD
Washington University in St Louis

AUA 2024 POSTERS

Posters will be displayed in Frick Forum

PATIENT BLOOD MANAGEMENT

- 51 External Validation Of A Publicly Available Surgical Transfusion Risk Prediction Model: A Multi-Center Perioperative Outcomes Group Study**
Sunny S. Lou, MD, PhD
Washington University in St Louis

PATIENT SAFETY

- 52 Leveraging Machine Learning Models To Predict Postoperative Risks**
Joanna Abraham, PhD
Washington University in St. Louis
- 53 Assessing The Feasibility Of A Perioperative Mental Health Intervention For Older Surgical Patients With Anxiety And Depressive Symptoms**
Joanna Abraham, PhD
Washington University in St. Louis
- 54 Undergoing Surgery Is Associated With Delays In Treatment But Not Discontinuation Of Buprenorphine Among Persons With Opioid Use Disorder**
Mark C. Bicket, MD, PhD
University of Michigan

PEDIATRIC ANESTHESIOLOGY

- 55 Differences In Pediatric Premedication Utilization Based On Race/Ethnicity. A Retrospective Observational Study At A Quaternary Pediatric Hospital**
Danika Dorelien, MD
Stanford Healthcare
- 56 The Use Of Personalized Music To Decrease Pediatric Emergence Agitation: A Multicenter Pilot Study**
Benjamin Sanofsky, MD, MS Ed
Washington University in St. Louis

PERIOPERATIVE ANESTHESIA

- 57 Association Between Mental Health Diagnoses And Mortality In Surgical Patients — A Retrospective Cohort Study**
Megan L. Rolfzen, MD
University of Nebraska Medical Center
- 58 Association Of Preoperative Glucagon-Like Peptide 1 (GLP1) Agonist Utilization With Postoperative Respiratory Complications In Emergency Surgical Patients: A Retrospective Analysis Using Commercial Claims**
Anjali A. Dixit, MD, MPH
Stanford University School of Medicine
- 59 Intraoperative Lactate Levels And Acute Kidney Injury After On-Pump Cardiac Surgery: Evidence From Two-Center Retrospective Cohort Study**
Dongxu Chen, PhD
West China Second Hospital
- 60 Opioid Consumption In The First 30 Days After Surgery: A Major Risk Factor For New Persistent Opioid Use**
Brittany Ervin-Sikhondze, MD
Michigan Medicine, University of Michigan Ann Arbor
- 61 Prevalence And Correlates Of Preoperative Anxiety And Depression In Patients Undergoing Major Surgery**
Caroline E. Jones, PharmD
Washington University in St. Louis
- 62 Results Of The Trajectories Of Recovery After Intravenous Propofol Versus Inhaled Volatile Anesthesia (THRIVE) Pragmatic Randomized Controlled Feasibility Pilot Trial**
Allison M. Janda, MD
University of Michigan

REGIONAL ANESTHESIA

- 63 Focused Ultrasound-Induced Changes To Animal Pain Behaviors And Peripheral Nerve Structure**
Thomas A. Anderson, MD, PhD
Stanford University School of Medicine

Posters will be displayed in Frick Forum

RESPIRATION

- 64 Shear-Wave Elastography Measurements Of Diaphragm Muscle Contribution To Respiratory Function**
Carlos B. Mantilla, MD, PhD
Mayo Clinic
- 65 The Concept Of 'Moon Ventilation': How Different Gravitational Positions Impact Harmful Thresholds Of Driving Pressure And Temporal Atelectasis Development In Real-Time Operating Theatre Data**
Aiman Suleiman, MD, MSc
Beth Israel Deaconess Medical Center, Harvard Medical School

TECHNOLOGY, COMPUTING AND SIMULATION, EQUIPMENT MONITORING

- 66 Algorithmic Bias In An Artificial Intelligence Algorithm To Guide Type And Screen Ordering**
Matthew Zapf, MD
Vanderbilt University Medical Center
- 67 Can Peripheral Intravenous Waveform Analysis (PIVA) Assess Volume Status During Thoracoscopic Surgery: A Rat Study**
Gabriel I. Ekechukwu, Second Year Medical Student
Medical Student
- 68 Computer-Generated Resident Deployments Are Superior To Those Generated By Hand**
Justin R. Porter, MD, PhD
Massachusetts General Hospital
- 69 Larger Nanodiscs Support A More Native-Like Membrane Environment Across A Range Of Lipid Types**
Mark J. Arcario, MD, PhD
Washington University in Saint Louis
- 70 Provider Uptake Of Advanced Informatics Techniques To Improve Documentation Of Co-Morbidities In Surgical Admissions**
Hannah Lonsdale, MBChB
Vanderbilt University Medical Center

TRAUMA

- 71 Lung Immune Tone Regulation By Dietary Fiber And Gut Microbiota Metabolites In Mice**
Arun Prakash, MD, PhD
UCSF
- 72 Pharmacological Targeting Of TLR7 Reduces Myocardial Infarction And Improves Cardiac Function After Ischemia-Reperfusion Injury**
Yijia Li, MD, PhD
University of Maryland School of Medicine
- 73 The Impact Of Extracranial Surgery Early After Traumatic Brain Injury On Function, Cognition, Disability, And Quality Of Life At 1-Year: A TRACK-TBI Study**
Christopher J. Roberts, MD, PhD
Medical College of Wisconsin



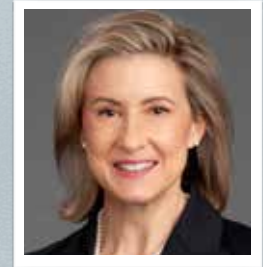
Association of University Anesthesiologists

Education Advisory Board (EAB) 2024 EDUCATION INNOVATION AWARD

The Education Innovation Award celebrates and recognizes new and innovative developments in medical education.



★ **Jeanna
Blitz, MD**



★ **Angela
Edwards, MD**

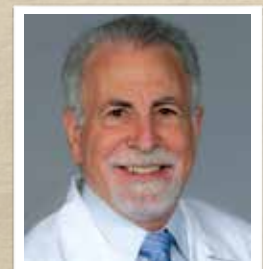


Association of University Anesthesiologists

Leadership Advisory Board (LAB) 2024 MENTORING AWARD

The Mentoring Award is presented to an AUA member in recognition of their commitment to mentorship and sponsorship of faculty members in anesthesiology.

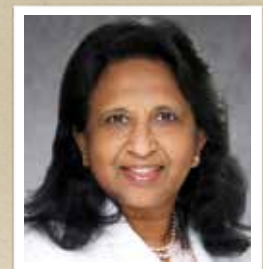
★ **Albert Varon, MD, MHPE, FCCM, FASA**



Leadership Advisory Board (LAB) 2024 IDEAL AWARD

The IDEAL—Inclusion, Diversity, Equity, Acceptance, and Leadership—Award is presented to an AUA member in recognition of their commitment and leadership to promote diversity, equity, inclusivity, and belonging at the local or national level.

★ **Kokila Thenuwara, MBBS, MME, MHCDS**





Association of University Anesthesiologists

Membership Engagement Advisory Board (MEB) 2024 LIFETIME ACHIEVEMENT AWARD

The Lifetime Achievement Award is the highest and most prestigious award given to a member of the organization recognized by the broader academic anesthesia community as a significant leader in the academic anesthesiology profession. Selection for this honor recognizes an individual's outstanding and sustained contributions to the academic anesthesia profession and AUA, as well as exemplary professional practice and leadership.

★ **Jeanine Wiener-Kronish, MD**



Membership Engagement Advisory Board (MEB) 2024 MEMBER OF THE YEAR AWARD

The Member of the Year Award is given in recognition of an active member for their commitment to the advancement of academic anesthesiology and their dedication to developing scholars, educators, practitioners, and the next generation of leaders in academic anesthesiology.

★ **Keith Vogt, MD**



Membership Engagement Advisory Board (MEB) 2024 RISING STAR – ASSOCIATE MEMBER OF THE YEAR AWARD

The Rising Star – Associate Member of the Year Award was established to identify the next generation of leadership in academic anesthesiology. It is designed to recognize associate members who have already made an impact on the profession and have demonstrated the ability to lead the next generation of academic anesthesiologists.

★ **Maurice Joyce, MD**



2024 SCIENTIFIC ADVISORY BOARD (SAB) ABSTRACT AWARDS

Junior Faculty Pediatric Anesthesia Research Award

The Use of Personalized Music to Decrease Pediatric Emergence Agitation:
A Multicenter Pilot Study

BENJAMIN SANOFSKY, MD, MSED

Junior Faculty Perioperative Medicine Research Award

Provider Uptake of Advanced Informatics Techniques to Improve Documentation
of Co-morbidities in Surgical Admissions

HANNAH LONSDALE, MBCHB

Junior Faculty Research Award for Clinical Science

Tau Protein and Gut Microbiota Correlation in Patients with Postoperative Delirium

YIYING ZHANG, MD, PHD

Junior Faculty Research Award for Laboratory Science

Global Cerebral Ischemia Decreases Dendritic Spine Density, Enhances Microglial Reactivity,
and Increases Microglial/Synapse Co-Localization in a Mouse Model of Cardiac Arrest

JACOB BASAK, MD, PHD

Lisa Wise-Faberowski Resident Prize for Research Excellence Award

Association Between Mental Health Diagnoses and Mortality in Surgical Patients
— A Retrospective Cohort Study

MEGAN ROLFZEN, MD

Margaret Wood Resident Research Award

Opioid Consumption in the First 30 Days After Surgery:
A Major Risk Factor for New Persistent Opioid Use

BRITTANY ERVIN-SIKHONDZE, MD

Resident Travel Award

Differences in Pediatric Premedication Utilization Based on Race/Ethnicity.
A Retrospective Observational Study at a Quaternary Pediatric Hospital.

DANIKA DORELIEN, MD

FAER NAM Fellowship

Applications Open at FAER.org/NAM
March 1 - April 30, 2024

Overview

Fellows will be assigned to a health- and medicine-related board, working group or committee within the National Academies. They will attend a one-week orientation, the NAM Annual Meeting in October, and meetings of the assigned board. They will also participate in work of an appropriate study committee or roundtable.

Award Details

- Two year duration
- \$25,000 flexible research grant awarded
- 10 - 20% time commitment required
- Domestic travel expenses for approved fellowship activities covered

Eligibility

- Be full-time anesthesiologist faculty members at an academic institution
- Hold an MD, DO, or equivalent
- Be two-to-ten years out from completion of post-graduate work
- Be actively engaged in and demonstrating interest in ongoing research in any of the following scientific categories, which will be equally considered: clinical, basic, translational, implementation, epidemiological, and sociological
- Able to dedicate 10 to 20 percent of time to the fellowship for two years
- Hold U.S. citizen or permanent resident status at the time of the application

Application Packet

- A nomination letter from a member of the NAM or FAER Board of Directors*
- Three (3) letters of reference
- A supporting letter from the candidate's department chair, institute director, or equivalent
- An up-to-date curriculum vitae (CV)
- A brief, one-page bio
- A one-page personal statement

* Visit FAER.org/NAM for more information about the required nomination letter from a member of the NAM or FAER Board of Directors

AUA MENTORING

Develop, Guide, and Support Future Leaders

▶ FIND A MENTOR

More than 100 Mentors!

*Visit the AUA Mentor Directory
auahq.org/aua-mentoring-program/*



AUA

Association of University Anesthesiologists

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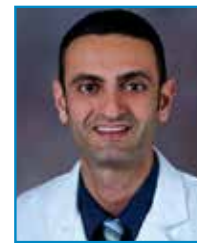
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Chair, Educational Advisory Board
– Term Expires 2024
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of North Carolina
School of Medicine
Chapel Hill, NC



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Chair, Leadership Advisory Board
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Columbia University
New York, NY



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Co-chair, Membership Engagement Advisory Board
– Term Expires 2026
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Katz School of Medicine
Philadelphia, PA



Michael Aziz, MD
Co-chair, Membership Engagement Advisory Board
– Term Expires 2026
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Science University
Portland, OR



C. David Mintz, MD, PhD
Chair, Scientific Advisory Board
– Term Expires 2024
John Hopkins University
School of Medicine
Baltimore, MD



AUA NEW MEMBER NOMINATIONS

Nominations will close on Monday, April 15, 2024.

Please review the AUA New Member Nomination Checklist and Guidelines for more information on the nomination process. The new checklists are examples to help members review their application to ensure that their accomplishments are consistent with that of a successful application (depending on the membership level). One of these examples alone may not suffice for election to membership and not all of these are required.

Please do not email nomination letters or CVs. We are no longer accepting nominations via email to ensure that we are accurately capturing all nominations.

Steps to nominate a colleague for AUA membership:

- Review the AUA New Member Nomination Checklist and Guidelines prior to submitting a nomination.
- Write nomination letter and obtain nominee CV.
- If nominating an Associate Member, obtain Current Research Funding information.
- Complete the AUA Nominations Form with the nominee's information and upload nomination letter and nominee CV.

Visit auahq.org/nominations to learn more.



ASSOCIATION OF UNIVERSITY ANESTHESIOLOGISTS

Mission: To promote excellence in academic anesthesiology through mentorship; promotion of diversity and inclusivity; and professional growth throughout the careers of educators, academic leaders, and researchers.

Vision: The advancement of academic anesthesiology as a dynamic specialty that makes substantive contributions to medicine, science, and society.

Compelling Purpose: Developing scholars, educators, practitioners, and leaders at the forefront of academic anesthesiology.

Strategic Goals:

- Promote the development and mentoring of scholars, educators, practitioners, and leaders in academic anesthesiology.
- Foster and promote member engagement.
- Sustain and support the future of academic anesthesiology.

BENEFITS FOR MEMBERS

AUA Annual Meeting | Discounted member pricing for premier academic anesthesia meeting
auahq.org/current-uaa-meeting/

AUA Update | Digital newsletter with the latest member information and news
auahq.org/newsletter

Mentoring Program | More than 100 AUA members facilitating mentoring, sponsoring, and coaching relationships between members
auahq.org/uaa-mentoring-program

eLearning & onDemand Webinars | High-quality education sessions featuring informative content based on current research and designed to help advance the anesthesiology specialty. Recordings available for viewing on demand.
auahq.org/elearning

Speaker Exchange | Platform to match highly accessible speaking engagements with qualified and interested speakers
auahq.org/uaa-speaker-exchange

GET INVOLVED

- **Communications Committee**
- **Educational Advisory Board (EAB)**
- **Leadership Advisory Board (LAB)**
- **Membership Engagement Advisory Board (MEB)**
- **Scientific Advisory Board (SAB)**
auahq.org/get-involved/

MEMBERSHIP AWARDS

- **EAB Awards** | auahq.org/eab-awards
- **LAB Awards** | auahq.org/lab-awards
- **MEB Awards** | auahq.org/membership-engagement-advisoryboard-member-awards
- **SAB Awards** | auahq.org/past-annual-meeting-award-winners/



AUA

Association of University Anesthesiologists

www.auahq.org