



AUA 62nd Annual Meeting

April 23-25, 2015

Loews Vanderbilt Hotel

Nashville, Tennessee

hosted by

Vanderbilt University School of Medicine





Welcome to the Association of University Anesthesiologists 62nd Annual Meeting!

Welcome to the Association of University Anesthesiologists 62nd Annual Meeting hosted by the Vanderbilt University School of Medicine in Nashville, Tennessee. Over the next 3 days, you will have an invigorating intellectual and social experience. The *Meeting Planning Committee*, Drs. Sandberg, Emala, and Gaiser have developed an exciting program including a review of educational research, measurement of educational effectiveness, the trajectory of personalized medicine, and new original research from members and guests.

Annual Meeting Highlights include:

Thursday, April 23

The *Scientific Advisory Board (SAB) Program (Part 1)* and *Moderated Poster Discussion Session* will highlight original research from your peers and colleagues and research awards will be presented during Oral Presentations. During the break, be sure to visit the poster room to view all of the abstract submissions.

Friday, April 24

Friday is a full day packed with engaging presentations. The *Educational Advisory Board (EAB) Program (Part 1)* will address the *State of the Art for Education Research*. After the break, *EAB (Part 2)* will explore *Measuring Knowledge in Anesthesia* — a challenging topic for all involved in residency education. The afternoon session will include a *Mini-Symposium*, presented by SAB, entitled *Perioperative Genomics* followed by the President's Panel which explores *Professional Accountability: Dealing with Behaviors that Undermine a Culture of Safety and Reliability* and the *Genomes, Phenomes, and Personalized Medicine: The Promise of Genomic Medicine in EHRs*.

Saturday, April 25

Saturday, another full-packed day, initiates in the morning with research awards presented to residents and junior faculty during their scientific presentations. A *Moderated Poster Discussion Session* will follow. The afternoon will give us the opportunity to hear from our Host who has put together an extraordinary panel showcasing Vanderbilt University.

Sincerely,



Thomas J.J. Blanck, PhD, MD
President, Association of University Anesthesiologists



Welcome to Nashville and the AUA 62nd Annual Meeting!

The Vanderbilt University Department of Anesthesiology is extremely pleased to host the 62nd Annual Meeting of the Association of University Anesthesiologists in Nashville, Tennessee. The Host Committee and AUA leadership have put together an exciting program for you.

Vanderbilt last hosted the AUA Annual Meeting in 2002, and in the past 12 years, Nashville has experienced a dramatic renaissance. We are now hailed as the “South’s Red-Hot Town” (*Time* magazine), “One of the Top Five Travel Destinations to Visit in the World in 2013” (*Condé Nast Traveler*), and “One of the Top 50 Meeting Destinations in the United States” (Cvent). The city has countless bragging points – from fine dining to the best in cultural offerings. We look forward to sharing Nashville with you in person.

Vanderbilt University and our department have much to offer as well. Established in 1947, the Vanderbilt Department of Anesthesiology now operates one of the largest clinical programs in the country, providing service for more than 90,000 adult and pediatric anesthetic encounters annually. Our faculty will be sharing some of our scientific, clinical, and academic successes during the meeting, and we are excited to provide the opportunity for American Board of Anesthesiology Maintenance of Certification in Anesthesiology (MOCA) training before and after the meeting at our Center for Experiential Learning and Assessment. This state-of-the-art training facility is endorsed by the American Society of Anesthesiologists to deliver certified educational programs, including the simulation training that qualifies for MOCA credit.

This year, the AUA Host program focuses on the rapidly expanding field of perioperative genomics and personalized medicine and the significance of this approach to patient care as we strive to work more safely, efficiently, and wisely in times of continued fiscal constraint. Applying genomic approaches to our

practice is critical in the identification of patients at high risk for complications so interventions that optimize outcomes can be implemented. We have invited key leaders in this arena to share their knowledge, and we are fortunate to have two giants in the field among our leadership at Vanderbilt. Dr. Jeff Balsler, Vice Chancellor for Health Affairs and Dean of the School of Medicine at Vanderbilt, has been a national figure at the forefront of the movement toward personalized medicine since its inception. He will open the Mini-Symposium: *Perioperative Genomics* by addressing the “big picture” as it pertains to personalized medicine’s dramatic implications for the healthcare of the future. Dr. Dan Roden, Assistant Vice Chancellor for Personalized Medicine at VUMC, will be a Mini-Symposium: *Perioperative Genomics* speaker. He will provide an overview of Vanderbilt’s BioVU, now the country’s largest collection of human DNA linked to searchable, electronic health information, as well as the Synthetic Derivative, and other genomics initiatives at Vanderbilt. Other speakers will address such topics as perioperative cardiovascular risk and pharmacogenomics, as well as important developments in electronic medical records.

In the decade since Vanderbilt last hosted the AUA Annual Meeting, the city of Nashville, our university, and healthcare have all experienced dramatic changes, and we look forward to sharing these transformations with you during your visit. The Host Planning Committee heartily thanks the many individuals who have collaborated to make this one of the best meeting programs ever, and we hope you enjoy your visit to Nashville.

Warren Sandberg MD PhD
Warren S. Sandberg, MD, PhD
Professor & Chair, Department of Anesthesiology
Vanderbilt University School of Medicine



METROPOLITAN GOVERNMENT OF NASHVILLE AND DAVIDSON COUNTY

**KARL F. DEAN
MAYOR**

**OFFICE OF THE MAYOR
METROPOLITAN COURTHOUSE
NASHVILLE, TENNESSEE 37201
PHONE: (615) 862-6000
FAX: (615) 862-6040**

April 23, 2015

Dear Annual Meeting Attendees:

It is a pleasure to welcome you to our great city for the AUA 62nd Annual Meeting. We are pleased that you chose Nashville to host such an important gathering.

While in Music City, I encourage you to take the time to enjoy the honky tonks on Broadway and discover the varied styles of music, art, food and culture that make Nashville unique. The Frist Center for the Visual Arts, the Country Music Hall of Fame and Museum and the Schermerhorn Symphony Center are just a few local sites well worth visiting. In addition, you can visit the Parthenon, one of our most beloved icons, located in beautiful Centennial Park near Vanderbilt University, your host institution.

I wish you great success in your practice and research in anesthesiology. I am certain that you will witness firsthand the southern hospitality and friendliness that our city is famous for. Thank you for choosing Nashville. We hope to see you back in years to come.

Regards,

Karl F. Dean
Mayor



Continuing Medical Education (CME) Information

Activity Overview

Findings from new research and the evolution of anesthesiology practice based on emerging evidence create an inherent gap between existing practice and new practice models. The purpose of the Association of University Anesthesiologists (AUA) 62nd Annual Meeting is to provide a scientifically- based and clinically-oriented educational activity that will improve competence and performance in the anesthesiology specialty, resulting in improved patient care and outcomes.

Target Audience

The AUA 62nd Annual Meeting is designed to address the continuing medical education needs of anesthesiologists, anesthesiologists in training, and anesthesia investigators in academic, clinical and laboratory settings.

Educational Objectives

- Describe the latest developments in education research, measuring knowledge in the field anesthesia, and genomics.
- Consider recent research findings relative to anesthesiology and evaluate their application to the learner's professional practice.
- Develop strategies for integrating new knowledge and behaviors into their professional practice.
- Recognize gaps in their knowledge, behavior, and patient outcomes that may result in a need for additional education and training.

Accreditation Statement

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of the International Anesthesia Research Society (IARS) and the AUA. The IARS is accredited by the ACCME to provide continuing medical education for physicians.

Credit Designation Statement

The International Anesthesia Research Society (IARS) designates this live activity for a maximum of *14 AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Disclosure

The IARS and the AUA make every effort to develop CME activities that are scientifically based, accurate, current, and objectively presented. The IARS and the AUA have implemented mechanisms requiring everyone in a position to control content to disclose all relationships with relevant commercial interests. The IARS and the AUA provide these disclosures to learners in the Final Program and in advance of each session. The IARS and the AUA resolve any potential conflicts of interest prior to presentation of the activity. Individuals who refuse or fail to provide the required disclosures are disqualified from planning, managing, presenting, and evaluating the activity. Learners are asked to report any perceived commercial bias or lack of objectivity on the session evaluations.



Planning Committee & Program Faculty

Planning Committee

Thomas J.J. Blanck, PhD, MD

President, Association of University Anesthesiologists
Professor of Anesthesiology and Neuroscience and Physiology
New York University
School of Medicine
New York, New York

Charles W. Emala, MD

Chair, Scientific Advisory Board
Henrik H. Bendixen
Professor of Anesthesiology and Vice Chair for Research
Columbia University
New York, New York

Robert R. Gaiser, MD

Chair, Educational Advisory Board
Professor of Anesthesiology and Critical Care and Program Director, Department of Anesthesiology and Critical Care
University of Pennsylvania
Philadelphia, Pennsylvania

Warren S. Sandberg, MD, PhD

Host Chair, AUA 62nd Annual Meeting
Chair and Professor, Department of Anesthesiology, and Surgery and Biomedical Informatics
Vanderbilt University School of Medicine
Nashville, Tennessee

Program Faculty*

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Vice Chancellor for Health Affairs and Dean
Vanderbilt University
School of Medicine
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Thomas J.J. Blanck, PhD, MD

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Professor of Anesthesiology and Neuroscience and Physiology
New York University
School of Medicine
New York, New York

Simon Body, MB ChB, MPH

Associate Professor, Brigham & Women's Hospital;
Harvard Medical School
Boston, Massachusetts

Brenda A. Bucklin, MD

Council Member, Association of University Anesthesiologists
Professor, Anesthesiology
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Kenneth Catania, PhD

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Chair, Scientific Advisory Board
Henrik H. Bendixen Professor of Anesthesiology and Vice Chair for Research
Columbia University
New York, New York

Robert R. Gaiser, MD

Chair, Educational Advisory Board
Professor of Anesthesiology and Critical Care and Program Director, Department of Anesthesiology and Critical Care
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Ann Harman, PhD

Chief Assessment Officer
American Board of Anesthesiology (ABA)
Raleigh, North Carolina

Gerald B. Hickson, MD

Assistant Vice Chancellor for Health Affairs; Senior Vice President for Quality, Safety and Risk Prevention; Joseph C. Ross Chair for Medical Education and Administration; Professor of Pediatrics
Vanderbilt University
School of Medicine
Nashville, Tennessee

Evan Kharasch, MD, PhD

Russell D. and Mary B. Shelden Professor of Anesthesiology, Director, Division of Clinical and Translational Research, Department of Anesthesiology, Professor of Biochemistry and Molecular Biophysics
Washington University in St. Louis
St. Louis, Missouri

Matthew McEvoy, MD

Associate Professor of Anesthesiology, Division of Multispecialty Adult Anesthesiology; Vice-Chair, Educational Affairs; Director, Residency Program
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David J. Murray, MD

Professor of Anesthesiology
Washington University
in St. Louis
St. Louis, Missouri

Peter Nagele, MD

Assistant Professor of Anesthesiology and Genetics,
Washington University
in St. Louis
St. Louis, Missouri

James P. Rathmell, MD

Executive Vice Chair, Department of Anesthesia, Critical Care and Pain Medicine Chief, Division of Pain Medicine,
Massachusetts General Hospital; Henry Knowles Beecher Professor of Anesthesia
Harvard Medical School
Boston, Massachusetts

Dan Roden, MD

Professor of Medicine and Pharmacology, Director, Oates Institute for Experimental Therapeutics, Assistant Vice-Chancellor for Personalized Medicine
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Nashville, Tennessee

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Nashville, Tennessee

Steven Shafer, MD

Professor, Anesthesiology, Perioperative and Pain Medicine, Stanford University Medical Center; Professor, Med Center Line, Anesthesiology, Perioperative and Pain Medicine
Stanford, California

Keivan Stassun, PhD

Director, Vanderbilt Initiative in Data-Intensive Astrophysics (VIDA); Co-Director, Fisk-Vanderbilt Masters-to-PhD Bridge Program; Professor of Physics & Astronomy, College of Arts & Sciences
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R. Lawrence Van Horn, PhD, MPH, MBA

Executive Director of Health Affairs
Associate Professor of Economics and Management
Owen Graduate School of Management
Vanderbilt University
Nashville, Tennessee

David W. Wright, PhD

Stevenson Professor & Department Chairman
Department of Chemistry, College of Arts & Sciences
Vanderbilt University
Nashville, Tennessee

**Program Faculty are as of press time and subject to change.*



Hotel & Travel Information

Headquarters Hotel

Loews Vanderbilt Hotel

2100 West End Avenue, Nashville, TN 37203

The Loews Vanderbilt captures Nashville’s unique character with a mix of both old and new, beginning with the sound of modern music coming from a 1950s-style jukebox as you enter the lobby. The recently renovated lobby includes a floor-to-ceiling fireplace and a stunning Hank Williams mural – created from classic images of famous country musicians. These classics as well as many more features make for the perfect location for a meeting. In addition to all of these touches, the hotel is located just minutes from the city’s most famous attractions.

All AUA activities will be conveniently located at the Loews Vanderbilt Hotel. The AUA has secured a limited number of rooms for our meeting attendees at the special conference rate of \$199 plus tax for single/double occupancy. There is an additional charge of \$20 for each additional individual sharing a room. No additional charge applies for children up to and including the age of 18 years who share with parents. The maximum number of people in a room is four.

The cutoff date to make your hotel reservation is Wednesday, March 25, 2015. Reservations received after the cutoff date are subject to space and availability.

Travel Information

Nashville International Airport (BNA)

One Terminal Drive, Nashville, Tennessee

From the moment you step off the plane, you will be immersed in the music and art of Nashville. Nashville International Airport offers a changing line-up of live music and art installations throughout the airport and provide a gateway to the city and Tennessee. The Loews Vanderbilt Hotel is located a short, 15-minute drive from the Nashville International Airport.

Jarmon Transportation, the official shuttle of the Nashville International Airport, offers shuttle service to and from the airport to the Loews Vanderbilt Hotel for approximately \$14 one way or \$25 round trip. Taxi service costs approximately \$27 one way from the airport to the Loews Vanderbilt Hotel. Rental cars are available at the airport as well.

**Make Your
Reservation
Online at
the Loews
Vanderbilt
Hotel**

**Deadline:
Wednesday,
March 25**



**Use one of these
easy steps to book
your room!**

**Make Your
Reservation Online**

**By Phone:
Call Direct at
1-615-320-1700**

**Call Toll-Free at
1-800-336-3335**

**Be sure to mention
the special
Association of
University
Anesthesiologists
(AUA) code, AUA,
when reserving
your room to obtain
the meeting’s
group rate!**



Photo Courtesy of the Country Music Hall of Fame® and Museum



Special Events & What to Do in Nashville

Special Events

THURSDAY, APRIL 23

Resident and Junior Faculty Meet and Greet Reception

5:00 pm to 6:00 pm, Loews Vanderbilt Hotel

The Resident and Junior Faculty Meet and Greet Reception gives residents and fellows an opportunity to meet their peers, mentors, and the AUA Council Members in an informal setting.

All Attendee Welcome Reception

6:00 pm to 8:00 pm, Loews Vanderbilt Hotel

Discover the vibrant energy of Nashville while networking with peers and colleagues at the All Attendee Welcome Reception to kick off the AUA 62nd Annual Meeting.

FRIDAY, APRIL 24

Free Night to Explore Nashville

Attendees are encouraged to check out all that Nashville has to offer on this free night. Experience the music scene, taste the local cuisine and visit the historic sites. Buses will not be provided by AUA.

SATURDAY, APRIL 25

Resident Luncheon

11:45 am to 12:45 pm, Loews Vanderbilt Hotel

Tables will be reserved for residents, fellows and their sponsoring chair. Members of the AUA Council will be present to meet with these future leaders in academic anesthesiology. This luncheon is included in the Resident / Fellow registration fee.

Social Event Reception and Dinner

6:00 pm to 10:00 pm, Country Music Hall of Fame® and Museum

6:00 pm to 7:00 pm, Reception & Access to Museum

7:00 pm to 10:00 pm, Dinner

Join your friends and colleagues for a perfect ending to the AUA 62nd Annual Meeting, featuring the local flavors and live music of Nashville. Attendees will also have access to the museum during the reception. The Country Music Hall of Fame® and Museum has more than 2 million artifacts in its collection, showcasing one of our nation's foundational music forms. Don't miss this lively social event to close the meeting!

What to Do in Nashville

Discover the perfect harmony of history, events and attractions all culturally intertwined with the music that defines Nashville, Tennessee – Music City. As for dining, the city has become one of the South's hottest culinary destinations with some of the top chefs in the nation concocting dishes to delight every palate such as Virago, Sinema, Marché Artisan Foods, Prime 108, Catbird Seat, Etch, and Patterson House (just to name a few). For a list of noteworthy restaurants and entertainment options for your visit to Nashville, check out the [AUA Annual Meeting website](#).





Program Schedule

THURSDAY, APRIL 23

- 10:00 am – 4:30 pm Registration**
- 12:30 pm – 12:45 pm Introduction and Welcome to the AUA 62nd Annual Meeting**
Thomas J. J. Blanck, MD, PhD
- 12:45 pm – 1:00 pm Introduction and Welcome to the Host Program and Nashville**
Warren S. Sandberg, MD, PhD
- 1:00 pm – 1:05 pm Introduction and Welcome to the SAB Program**
Charles W. Emala, MD
- 1:05 pm – 2:00 pm SAB Oral Session (Part 1)**
Moderators: Y. S. Prakash, MD, PhD and Wei Chao, MD, PhD
- Junior Faculty Research Award**
- ***Pediatric Delirium in Critically Ill Infants and Preschool-aged Children: Validation and Reliability of the PreSchool Confusion Assessment Method for the Intensive Care Unit (psCAM-ICU)***
Heidi A.B. Smith, MD, MSCi, Vanderbilt University, Nashville, Tennessee
 - ***Latent Class Analysis of Neuropsychological Deficit after Exposure to Anesthesia in Early Childhood***
Caleb Ing, MD, MS, Columbia University, New York, New York
- Margaret Wood Resident Research Award**
- ***The Relative Effects of Dexmedetomidine and Propofol on Cerebral Blood Flow and Brain Oxygenation: A Noninferiority Study***
Michael Kot, MD, Cleveland Clinic, Cleveland, Ohio
 - ***The Elderly Brain Under Anesthesia: An Age-Dependent Analysis of Propofol- and Sevoflurane-Induced Electroencephalogram Dynamics***
Patrick L. Purdon, PhD, Massachusetts General Hospital, Boston, Massachusetts
- 2:00 pm – 2:15 pm Coffee Break & Poster Viewing and Discussion**
- 2:15 pm – 3:15 pm SAB Oral Session (Part 1) Continued**
Moderators: Y. S. Prakash, MD, PhD and Wei Chao, MD, PhD
- ***Selective Inhibition of the Calcineurin Interaction Site of TRPV1 Reduces Myocardial Infarct Size by Reducing Mitochondrial Calcium Influx***
Eric R. Gross, MD, PhD, Stanford University, Stanford, California
 - ***Proteomic Profiling and Multi-Color Flow Cytometry Reveal Species Specific and Hibernation-State Specific Differences in Innate Immunity, Susceptibility to Injury, and Response to Surgical Ischemia-Reperfusion between Rats and Arctic Ground Squirrels***
Quintin J. Quinones, MD, PhD, Duke University, Durham, North Carolina



Program Schedule

- ***Extracellular RNA Induces Inflammation via Toll-Like Receptor 7 and Contributes to Myocardial Infarction in a Mouse Model of Ischemia-Reperfusion Injury***

Wei Chao, MD, PhD, Massachusetts General Hospital, Harvard Medical School, Boston, Massachusetts

- ***Acute Ischemic Albuminuria Mediates AKI in Mice after Cardiac Arrest and Cardiopulmonary Resuscitation***

Michael P. Hutchens, MD, MA, Oregon Health & Science University, Portland, Oregon

3:15 pm – 4:45 pm **Moderated Poster Discussion Session**

5:00 pm – 8:00 pm **Registration**

5:00 pm – 6:00 pm **Resident Meet and Greet Reception**

6:00 pm – 8:00 pm **All Attendee Welcome Reception**

FRIDAY, APRIL 24, 2015

6:30 am – 6:00 pm **Registration**

7:00 am – 8:00 am **Continental Breakfast**

8:00 am – 8:10 am **Introduction and Welcome to the EAB Program**
Robert R. Gaiser, MD

8:10 am – 9:30 am **EAB Program Session (Part 1): *State of the Art for Research in Education***

- ***Review of the Key Literature in Anesthesia***

David J. Murray, MD

- ***Conducting Quality Research in Education***

Matthew McEvoy, MD

- ***An Editor's Perspective of Research in Education***

Steven Shafer, MD

Question & Answer

9:30 am – 10:00 am **Coffee Break & Poster Viewing and Discussion**

10:00 am – 12:00 pm **EAB Program Session (Part 2): *Measuring Knowledge in Anesthesia***

- ***The Science of Psychometrics***

Ann Harman, PhD



RCA Studio B

Historic RCA Studio B is one of the most significant recording studios in the world. Country Music Hall of Fame members Elvis Presley, Eddy Arnold, Dolly Parton, Patsy Cline, Charley Pride, Hank Snow, Roger Miller, Johnny Cash, the Everly Brothers, and Willie Nelson are the countless performers who recorded here.

Nashville businessman Dan Maddox built Studio B and leased it to RCA the same year. Steve Sholes, country recording at RCA, and Chet Atkins, who became RCA's Nashville recording chief, had a facility they could control for scheduling and sound. It is estimated that more than 35,000 songs were recorded here, about 1,000 of them becoming Top Ten hits.

Soon after RCA closed Studio B in 1977, the Country Music Hall of Fame was built on the site.

Program Schedule

- **Use of the OSCE to Measure Anesthesia Knowledge**
Brenda A. Bucklin, MD
 - **Changes in the Exam Process to Measure Anesthesia Knowledge**
James P. Rathmell, MD
- 12:00 pm – 1:00 pm All Attendee Luncheon**
- 12:00 pm – 1:00 pm EAB Luncheon**
- 12:00 pm – 1:00 pm SAB Luncheon**
- 12:00 pm – 1:00 pm President’s Luncheon**
- 1:00 pm – 3:00 pm Mini-Symposium: Perioperative Genomics**
- 1:00 pm – 1:05 pm Introduction**
Moderator: Peter Nagele, MD
- 1:05 pm – 1:25 pm Personalizing Health in the Academic Medical Center**
Jeff Balser, MD, PhD
- 1:25 pm – 2:00 pm Engineering a Healthcare System for Discovery and Implementation in Personalized Medicine**
Dan Roden, MD
- 2:00 pm – 2:20 pm Genomic Technology is Outpacing Utility This Decade, but Perhaps Not Next Decade**
Simon Body, MB ChB, MPH
- 2:20 pm – 2:40 pm Genomics and Opioid Pharmacology**
Evan Kharasch, MD, PhD
- 2:40 pm – 3:00 pm Moderated Panel Discussion**
Moderator: Peter Nagele, MD
- 3:00 pm – 3:15 pm Coffee Break & Poster Viewing and Discussion**
- 3:15 pm – 5:15 pm President’s Panel: Frontiers in Medicine – Genomes to Organizations**
- **Promoting Professional Accountability: Dealing with Behaviors that Undermine a Culture of Safety and Reliability**
Gerald B. Hickson, MD
 - **Genomes, Phenomes, and Personalized Medicine: The Promise of Genomic Medicine in EHRs**
Joshua C. Denny, MD, MS
- 5:15 pm – 6:15 pm AUA Annual Business Meeting**
- 6:15 pm – 11:00 pm Free Night to Explore Nashville**
Buses will not be provided by AUA.



Program Schedule

SATURDAY, APRIL 25, 2015

6:30 am – 5:00 pm Registration

7:00 am – 8:00 am Continental Breakfast

8:00 am – 8:05 am Introduction to the SAB Oral Session (Part 2)

8:05 am – 9:00 am SAB Oral Session (Part 2)

Moderators: Zhongcong Xie, MD, PhD and Matthias Riess, MD, PhD

Junior Faculty Research Award

- ***Isoflurane Disrupts the Development of Dendrites in the Mouse Hippocampus via Activation of the mTOR Pathway***
Cyrus D. Mintz, MD, PhD, Johns Hopkins University School of Medicine, Baltimore, Maryland
- ***Carbon Monoxide Modulates Cytochrome Oxidase Activity and Oxidative Stress in the Developing Murine Brain During Isoflurane Exposure***
Richard J. Levy, MD, FAAP, Columbia University Medical Center, New York, New York
- ***Astrocyte Specific Knockout of Hypoxia-Inducible Factor Impairs Hippocampal Learning after Mild Hypoxia***
Cindy V. Leiton, PhD, Stony Brook University, Stony Brook, New York
- ***Maresin 1 Prevents Neuroinflammation in a Mouse Model of Postoperative Cognitive Decline***
Niccolo Terrando, BSc (hons), DIC, PhD, Karolinska Institutet, Stockholm, Sweden

9:00 am – 9:15 am Coffee Break

9:15 am – 10:15 am SAB Oral Session (Part 2) Continued

Moderators: Zhongcong Xie, MD, PhD and Matthias Riess, MD, PhD

Resident Travel Award

- ***Dexmedetomidine's Inhibitory Effects on Acetylcholine Release from Cholinergic Nerves in Guinea Pig Trachea: A Mechanism That Accounts for its Clinical Benefit during Airway Irritation***
Maya Mikami, MD, PhD, Columbia University College of Physicians and Surgeons, New York, New York

Resident Travel Award

- ***Effects of Race and Common Genetic Variation on Therapeutic Response Disparities in Postoperative Atrial Fibrillation***
Nazish K. Hashmi, MB, BS, Duke University Medical Center, Durham, North Carolina
- ***Do Potent Anesthetics Bind to All Five Transmembrane Subunit Interfaces in GABAA Receptors?***
Stuart A. Forman, MD, PhD, Massachusetts General Hospital, Boston, Massachusetts
- ***Selective Pharmacologic Targeting of the GABA-A $\alpha 4$ Subunit in Airway Smooth Muscle to Alleviate Bronchospasm***
Gene T. Yocum, MD, Columbia University, New York, New York



Program Schedule

- 10:15 am – 11:45 am** **Moderated Poster Discussion Session**
- 11:45 am – 12:45 pm** **All Attendee Luncheon**
- 11:45 am – 12:45 pm** **Resident Luncheon**
Tables will be reserved for residents, fellows and their sponsoring chair. Members of the AUA Council will be present to meet with these future leaders in academic anesthesiology.
- 12:45 pm – 2:45 pm** **Host Program Session (Part 1)**
- 12:45 pm – 1:45 pm** ***Earth 2.0: The Quest for Other Worlds and The Diverse Scientists Who Find Them***
Keivan Stassun, PhD
- 1:45 pm – 2:45 pm** ***Comparative Neurobiology: What We Can Learn From The Adaptations of Interesting Predators***
Kenneth Catania, PhD
- 2:45 pm – 3:00 pm** **Coffee Break**
- 3:00 pm – 5:00 pm** **Host Program Session (Part 2)**
- 3:00 pm – 4:00 pm** ***What's A Guy Got to Do to Get A Meal Around Here? Vectors, Parasites and Homeostasis in Tropical Diseases***
David W. Wright, PhD
- 4:00 pm – 5:00 pm** ***You Either Believe in Magic or You Believe in Math: The Changing Economics and Regulation of Health Care***
R. Lawrence Van Horn, PhD, MPH, MBA
- 6:00 pm – 10:00 pm** **Social Event Reception & Dinner**
Country Music Hall of Fame® and Museum
Reception & Museum Access: 6:00 pm – 7:00 pm
Dinner: 7:00 pm – 10:00 pm
Museum access will be available to attendees during the reception



We Look Forward to

Greeting You in Nashville!

AUA 62nd Annual Meeting

April 23-25, 2015 • Nashville, Tennessee

Online registration available at auahq.org



MEMBER: Your AUA membership dues must be current in order to attend the Annual Meeting. If you have not yet renewed your membership, you may remit your dues payment of \$250 with this form.

MEMBER, GUEST OF MEMBER, RESIDENT/FELLOW, AND SPOUSE/PARTNER (FULL MEETING): Registration fee includes the educational and scientific program, meeting syllabus, continental breakfasts, coffee breaks, Thursday Welcome Reception, Friday and Saturday luncheons, and Saturday Social Event Reception and Dinner.

SPOUSE/PARTNER (SATURDAY SOCIAL EVENT RECEPTION & DINNER ONLY): For spouse/partners who wish to attend **only** the Saturday Evening Social Event Reception and Dinner, a registration fee is available for that event by itself. This option is available only to spouses/partners of registered members.

REGISTRATION FEES

| | | EARLY Received by 3/27/15 | GENERAL Received 3/28/15-4/16/15 |
|---|---|------------------------------|-------------------------------------|
| <input type="radio"/> MEMBER | Member Name: | \$350 | \$375 |
| <input type="radio"/> SPOUSE/PARTNER (Full Meeting) | Spouse/Partner Name: | \$200 | \$235 |
| <input type="radio"/> SPOUSE/PARTNER (Saturday Social Event Reception & Dinner Only) | Spouse/Partner Name: | \$125 | \$135 |
| <input type="radio"/> GUEST (Must be sponsored by an AUA member)* | Guest Name: Sponsor Member Name: | \$350 | \$375 |
| <input type="radio"/> RESIDENT/FELLOW (Must be sponsored by an AUA member)* | Resident/Fellow Name: Sponsor Member Name: | \$250 | \$275 |
| TOTAL | | | |

*If the sponsor is unable to attend the meeting, she/he is asked to designate a member in attendance to escort the Guest.

Member Name: _____

ANNUAL MEETING DIETARY OR SPECIAL NEEDS:

- Kosher Meals
 Vegetarian Meals
 Gluten-Free Meals
 Other _____
 Special Assistance, please specify _____

SATURDAY EVENING SOCIAL EVENT RECEPTION & DINNER

The Saturday Evening Social Event Reception & Dinner will take place on Saturday, April 25, from 6:00 pm to 10:00 pm at the Country Music Hall of Fame® and Museum. Please check below if you and/or your guest will attend.

- Yes, I will attend the Saturday Social Event Reception and Dinner
 Yes, my registered Spouse/Partner will attend the Saturday Social Event Reception and Dinner

ENTREE CHOICE (Check box for entrée choice for you and your guest, if applicable):

- | | | | |
|---------------------------------------|---------------------------------------|---------------------------------------|---|
| BEEF | FISH | VEGETARIAN | SPECIAL DIETARY NEEDS |
| <input type="checkbox"/> Your Entrée | <input type="checkbox"/> Your Entrée | <input type="checkbox"/> Your Entrée | <input type="checkbox"/> Your Entrée _____ |
| <input type="checkbox"/> Guest Entrée | <input type="checkbox"/> Guest Entrée | <input type="checkbox"/> Guest Entrée | <input type="checkbox"/> Guest Entrée _____ |

PAYMENT INFORMATION

- Check enc. # _____ (payable to AUA)
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 Total Fees _____
 Card # _____ Exp. Date _____
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 Name on Card _____ Signature _____
 TOTAL PAYMENT _____

Refund/Cancellation Policy: Registration cancelled on or before April 16 will be refunded, less a \$100 processing charge. Registration fees will not be refunded if cancelled after Thursday, April 16.

Send completed registration form with payment by mail to AUA, Attn: Membership Services, 44 Montgomery Street, #1605, San Francisco, CA 94104, or fax to 415.296.6901. For more information, contact AUA Membership Services at 415.296.6950 or AUA@iars.org.



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