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

[Signature]

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 of 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

Jeff Balser, MD, PhD
Associate Professor, Vanderbilt University
School of Medicine
Nashville, Tennessee

Robert R. Gaiser, MD
Chair, Educational Advisory Board
Professor of Anesthesiology and Critical Care and Program Director
Vanderbilt University
School of Medicine
Nashville, Tennessee

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*

Jeff Balser, MD, PhD
Associate Professor, Brigham & Women’s Hospital; Harvard Medical School
Boston, Massachusetts

Ann Harman, PhD
Chief Assessment Officer, AUA 62nd Annual Meeting
American Board of Anesthesiology (ABA)
Raleigh, North Carolina

Evan Kharasch, MD, PhD
Assistant Professor of Anesthesiology, Department of Anesthesiology, and Vice Chair for Research
Columbia University
New York, New York

Charles W. Emala, MD
Chair, Scientific Advisory Board
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
University of Pennsylvania
Philadelphia, Pennsylvania

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Associate Professor, Vanderbilt University
School of Medicine
Nashville, Tennessee

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

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

Jeff Balser, MD, PhD
Associate Professor, Vanderbilt University
School of Medicine
Nashville, Tennessee

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Chair, Scientific Advisory Board
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
University of Pennsylvania
Philadelphia, Pennsylvania

Steve 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
Vanderbilt University
Nashville, Tennessee

R. Lawrence Van Horn, PhD, MPH
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!
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
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

- **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 GABA Receptors?**
  Stuart A. Forman, MD, PhD, Massachusetts General Hospital, Boston, Massachusetts

- **Selective Pharmacologic Targeting of the GABA-A α4 Subunit in Airway Smooth Muscle to Alleviate Bronchospasm**
  Gene T. Yocum, MD, Columbia University, New York, New York
## Program Schedule

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>10:15 am – 11:45 am</td>
<td>Moderated Poster Discussion Session</td>
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<tr>
<td>11:45 am – 12:45 pm</td>
<td>All Attendee Luncheon</td>
</tr>
</tbody>
</table>
| 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 |
| 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* |

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We Look Forward to  
Greeting You in Nashville!
## Registration Form

**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

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<tr>
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<th>EARLY Received by 3/27/15</th>
<th>GENERAL Received 3/28/15-4/16/15</th>
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<tbody>
<tr>
<td><strong>MEMBER</strong></td>
<td>$350</td>
<td>$375</td>
</tr>
<tr>
<td><strong>SPOUSE/PARTNER</strong> (Full Meeting)</td>
<td>$200</td>
<td>$235</td>
</tr>
<tr>
<td><strong>SPOUSE/PARTNER</strong> (Saturday Social Event Reception &amp; Dinner Only)</td>
<td>$125</td>
<td>$135</td>
</tr>
<tr>
<td><strong>GUEST</strong></td>
<td>$350</td>
<td>$375</td>
</tr>
<tr>
<td><strong>RESIDENT/FELLOW</strong> (Must be sponsored by an AUA member)</td>
<td>$250</td>
<td>$275</td>
</tr>
</tbody>
</table>

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

**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

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

**BEEF**

- Your Entrée
- Guest Entrée

**FISH**

- Your Entrée
- Guest Entrée

**VEGETARIAN**

- Your Entrée
- Guest Entrée

**SPECIAL DIETARY NEEDS**

- Your Entrée
- Guest Entrée

**PAYMENT INFORMATION**

- Check enc. # ______ (payable to AUA)
- VISA
- MC
- AMEX
- DISCOVER

Card # ___________________________________________  Exp. Date ________________  
Name on Card ____________________________________  Signature __________________

Total Fees ___________________  Membership Renewal __________

**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@iaars.org.