


ASSOCIATION OF UNIVERSITY ANESTHESIOLOGISTS

ANNUAL MEETING

AUA 2022 Annual Meeting
FINAL PROGRAM

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Thursday, March 17, 2022

AUA Council President's Welcome

10:00 am – 10:05 am EST *Jeffrey Kirsch, MD, Medical College of Wisconsin, Milwaukee, WI*

Leadership Advisory Board Panel I: Developing the Academic Anesthesiologists of the Future: Diversity, Mentoring, and Coaching

10:05 am – 11:05 am EST

Moderator: *Matthew Wixson, MD, University of Michigan, Ann Arbor, MI*

- | | |
|---------------------|--|
| 10:05 am – 10:20 am | Diversity Curriculum for Residents: Unconscious Bias, Allyship, and Microaggression
<i>Odi Ehie, MD</i>
<i>University of California San Francisco, San Francisco, CA</i> |
| 10:20 am – 10:35 am | High-Impact Mentorship: Elements of Highly Successful Mentorship Programs
<i>Solmaz Manuel, MD</i>
<i>University of California San Francisco, San Francisco, CA</i> |
| 10:35 am – 10:50 am | The Value of an Internal Coaching Program for Early-Career Faculty Members
<i>Harriet Hopf, MD</i>
<i>University of Utah, Salt Lake City, UT</i> |
| 10:50 am – 11:05 am | Q&A |

Break

11:05 am – 11:15 am EST

Scientific Advisory Board Oral Session I

11:15 am – 12:15 pm EST

Moderator: *Ines Koerner, MD, PhD, Oregon Health & Science University, Portland, OR*

- | | |
|---------------------|--|
| 11:15 am – 11:30 am | Margaret Wood Resident Research Award
<i>Phase-Locked Acoustic Stimulation Increases Human Thermal Arousal Thresholds during Dexmedetomidine Sedation</i>
<i>Christian Guay</i>
<i>Washington University School of Medicine in St. Louis</i> |
| 11:30 am – 11:45 am | Junior Faculty Research Award for Clinical Science
<i>Preoperative factors predict neurocognitive disorder after CABG or PCI in a population-based cohort of older adults</i>
<i>Elizabeth Whitlock</i>
<i>University of California, San Francisco School of Medicine</i> |

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- 11:45 am – 12:00 pm Junior Faculty Research Award for Laboratory Science
Local anesthetics induce an anti-tumoral immune response in vitro and in tumor established in mice
LUCILLIA BEZU
Gustave Roussy Cancer Campus
- 12:00 pm- 12:15 pm Top Oral Abstract
Glutamatergic and Adrenergic Neurons Mediate Alpha-2-Agonist-Induced Sedation and Hypnosis in Mice
Andrew McKinstry-Wu
Perelman School of Medicine, University of Pennsylvania

Break

12:15 pm – 12:30 pm EST

Host Program: University of Hawaii

12:30 pm – 2:00 pm EST

Moderators: *Jeffrey Kirsch, MD, Medical College of Wisconsin, Milwaukee, WI and Dolores Njoku, MD, Washington University, St. Louis, MO*

- 12:30 pm – 12:35 pm Introduction
Jeffrey Kirsch, MD, Medical College of Wisconsin, Milwaukee, WI
- 12:35 pm- 12:55pm Update on the status of climate change and include connections to global biodiversity loss, food systems, pandemics, and declining human equality here and abroad
Charles H. Fletcher, III, PhD, Associate Dean for Academic Affairs and Professor of Earth Sciences Chair, Honolulu Climate Change Commission School of Ocean and Earth Science and Technology (SOEST)
University of Hawai'i at Mānoa, Honolulu, HI
- 12:55 pm – 1:15 pm Ocean Microbiology
Angelique E. White
Associate Professor, University of Hawaii
- 1:15 pm- 1:45 pm Moderated Discussion and Q&A

FAER Session

1:45 pm – 2:00 pm

Speaker: James Eisenach, MD, Wake Forest School of Medicine, Winston-Salem, NC

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Break

2:00 pm –2:15 pm EST

Concurrent Oral Abstract Session I

2:15 pm –3:15 pm EST

1. Concurrent Oral Abstract Session: Airway Management

Moderator: Michael Aziz, MD

2. Concurrent Oral Abstract Session: Ambulatory Anesthesiology & Technology

Moderator: Paul Garcia, MD, PhD

3. Concurrent Oral Abstract Session: Blood Management and Critical Care

Moderator: Bret Alvis, MD

4. Concurrent Oral Abstract Session: Critical Care 1

Moderator: Jamie Privratsky, MD, PhD

5. Concurrent Oral Abstract Session: Economics, Education, Policy 1

Moderator: Michael Andreae, MD

6. Concurrent Oral Abstract Session: Neuroscience 1

Moderator: Cyrus Mintz, MD, PhD

7. Concurrent Oral Abstract Session: Obstetric and Pediatric Anesthesia

Moderator: Brandon Togioka, MD

8. Concurrent Oral Abstract Session: Pain Mechanisms and Pain Medicine

Moderator: Christine Sang, MD, MPH, FASA

9. Concurrent Oral Abstract Session: Perioperative Anesthesia 1

Moderator: Matthias Merkel, MD, PhD

10. Concurrent Oral Abstract Session: Perioperative Anesthesia 2

Moderator: Susana Vacas, MD, PhD

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Break

3:15 pm – 3:30 pm EST

Scientific Advisory Board: Delirium, Dementia, and the Aging Brain

3:30 pm – 4:30 pm EST

Moderators: *Zhongcong Xie, MD, PhD, Department of Anesthesia, Critical Care and Pain Medicine, Massachusetts General Hospital and Harvard Medical School, Charlestown, MA*

3:30 pm – 3:45 pm	Delirium in Critical Illness: From COVID-19 to Dementia Risk <i>Wes Ely, MD, PhD</i> <i>Vanderbilt University School of Medicine, Nashville, TN</i>
3:45 pm – 4:00 pm	Postoperative Delirium: Evolving Geriatric Care <i>Elizabeth Whitlock, MD, MSc</i> <i>University of California San Francisco, San Francisco, CA</i>
4:00 pm – 4:15 pm	Translating ICU Delirium from Humans into Mice <i>Nadia Lunardi, MD, PhD</i> <i>University of Virginia, Charlottesville, VA</i>
4:15pm – 4:30 pm	Q&A

Break

4:30 pm – 4:45 pm EST

Educational Advisory Board Panel I: Failing to Learn: The Evidence

4:45 pm – 5:45 pm EST

Moderator: *Jeff Berger, MD, MBA, The George Washington University School of Medicine and Health Sciences, Washington, D.C.*

4:45 pm – 5:05 pm	Using Failure to Learn Better <i>Sasha Shillcutt, MD, MS</i> <i>University of Nebraska Medical Center, Omaha, NE</i>
5:05 pm – 5:25 pm	Creating a Culture to Make the Most from Failure <i>Rebecca Minehart, MD, MSHPEd</i> <i>Harvard Medical School; Massachusetts General Hospital, Boston, MA</i>
5:25 pm – 5:45 pm	Q&A and Discussion

Break

5:45 pm – 6:00 pm EST

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Concurrent Oral Abstract Session II

6:00 pm – 7:00 pm EST

1. Concurrent Oral Abstract Session: Anesthetic Pharmacology

Moderator: Frederic Billings, MD, MSc

2. Concurrent Oral Abstract Session: Cardiovascular Anesthesiology 1

Moderator: Astrid Stucke, MD

3. Concurrent Oral Abstract Session: Critical Care 2

Moderator: Bret Alvis, MD

4. Concurrent Oral Abstract Session: Economics, Education, Policy 2

Moderator: Dawn Dillman, MD

5. Concurrent Oral Abstract Session: Neuroscience 2

Moderator: Cyrus Mintz, MD, PhD

6. Concurrent Oral Abstract Session: Pain Medicine 2

Moderator: Rene Przkora, MD, PhD

7. Concurrent Oral Abstract Session: Pediatric Anesthesiology 1

Moderator: Christina Pabelick, MD

8. Concurrent Oral Abstract Session: Perioperative Anesthesia 3

Moderator: Deepak Sharma, MBBS, MD, DM

9. Concurrent Oral Abstract Session: Perioperative Anesthesia 4

Moderator: Michael Hutchens, MD, MA

Junior Faculty – Networking Opportunity

7:15 pm – 8:15 pm EST

- Session 1: Leadership Advisory Board members will facilitate conversations ranging from managing your mentor, managing your time, finding your path in academic medicine, advancing your career, DEI and gender issues.
- Session 2: Scientific Advisory Board members will facilitate conversations ranging from getting started in clinical research, finding resources, grant writing, and grant transitions.
- Session 3: Education Advisory Board members will facilitate conversations ranging from ethics in medicine and in medical education, education scholarship, and education research.

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Mentors:

- Elizabeth Whitlock MD, MSc University of California, San Francisco School of Medicine
- Keith Baker MD, PhD Massachusetts General Hospital
- Meghan Lane-Fall MD, MSHP, FCCM University of Pennsylvania
- Rene Przkora MD PhD College of Medicine - University of Florida
- Barbara Jericho MD, DABPM, FASA The University of Illinois at Chicago College of Medicine
- Susan Martinelli MD University of North Carolina School of Medicine
- Jean-Francois Pittet MD The University of Alabama at Birmingham
- Ines Koerner MD, PhD Oregon Health & Science University
- Cynthia Wong MD University of Iowa
- Cyrus Mintz MD, PhD Johns Hopkins School of Medicine
- Christine Sang MD, MPH, FASA Brigham and Women's Hospital; Harvard Medical School
- Tetsuro Sakai MD, PhD, MHA, FASA University of Pittsburgh Medical Center
- Tracey Straker MD MS MPH CBA FASA Montefiore Medical Center
- Whittington, Robert A. Columbia University, New York City, NY

Friday, March 18, 2022

Women in Academic Anesthesiology Networking Session

10:00 am EST – 11:00 am EST

Moderator: Jeanine Wiener-Kronish, M.D, Massachusetts General Hospital, Boston, MA

*Angela Jerath, MSc FRCPC, FANZCA, MD, BSc
Scientist
Sunnybrook Health Sciences Centre
Toronto, Canada
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*S. Ramani Moonesinghe, MD, FRCP, FRCA, FFICM
University College London, London, United Kingdom
ramani.moonesinghe@nhs.net*

*Meghan Lane-Fall, MD, MSHP, FCCM (she/her[s])
Vice Chair of Inclusion, Diversity, and Equity and David E. Longnecker Associate Professor of
Anesthesiology and Critical Care & Associate Professor of Epidemiology
Perelman School of Medicine, University of Pennsylvania
Meghan.LaneFall@pennmedicine.upenn.edu*

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Educational Advisory Board Panel II: Teaching Adults: The Evidence

11:00 am EST – 12:00 pm EST

Moderator: *Amanda Burden, MD, Cooper Medical School of Rowan University, Camden, NJ*

11:00 am – 11:20 am	CME: What is the Evidence That It Works <i>John Mitchell, MD</i> <i>Beth Israel Deaconess Medical Center, Harvard Medical School, Boston, MA</i>
11:20 am -11:40 am	Adult Learners: What Works According to The Evidence <i>Matt McEvoy, MD</i> <i>Vanderbilt University Medical Center, Nashville, TN</i>
11:40 am- 12:00 pm	Q&A and Discussion

Break

12:00 pm EST – 12:10 pm EST

Leadership Advisory Board Panel II: Critical Race Theory Applied to Medicine & Anesthesiology

12:10 pm EST – 1:10 pm EST

Moderator: *Valerie Armstead, MD, Temple University Lewis Katz School of Medicine, Philadelphia, PA*

12:10 pm- 12:25 pm	Critical Race Theory as Applied to Disparities in Healthcare and Anesthesiology <i>John Ellis, MD</i> <i>University of Pennsylvania, Philadelphia, PA</i>
12:25 pm- 12:40 pm	Race Theory as Applied to Disparities in Medical Education and Academic Anesthesiology <i>Allison Lee, MD, MS</i> <i>Columbia University, New York City, NY</i>
12:40 pm- 12:55 pm	How Critical Race Theory as It Relates to Healthcare and Anesthesiology Can be Taught to Stake Holders <i>Tracey Straker, MD, MS, MPH, CBA, FASA</i> <i>Montefiore Medical Center, Bronx, NY</i>
12:55 pm- 1:10 pm	Q&A

Break

1:10 pm EST – 1:30 pm EST

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Concurrent Oral Abstract Session III

1:30 pm EST – 2:30 pm EST

1. Concurrent Oral Abstract Session: Cardiovascular Anesthesiology 2

Moderator: Matthew Whalin, MD, PhD

2. Concurrent Oral Abstract Session: Critical Care 3

Moderator: Jamie Privratsky, MD, PhD

3. Concurrent Oral Abstract Session: Economics, Education, Policy 3

Moderator: Maya Mikami, MD, PhD, MPH

4. Concurrent Oral Abstract Session: Geriatric Anesthesia

Moderator: Katie Schenning, MD, MPH, MCR

5. Concurrent Oral Abstract Session: Neuroscience 3

Moderator: Cyrus Mintz, MD, PhD

6. Concurrent Oral Abstract Session: Pain Medicine 3

Moderator: Christine Sang, MD, MPH, FASA

7. Concurrent Oral Abstract Session: Pediatric Anesthesiology 2

Moderator: Christina Pabelick, MD

8. Concurrent Oral Abstract Session: Technology, Computing/Simulation and Equipment 1

Moderator: Michael Hutchens, MD, MA

9. Concurrent Oral Abstract Session: Trauma 1

Moderator: Jean-Francois Pittet, MD

Break

2:30 pm EST – 2:40 pm EST

Scientific Advisory Board Oral Session II

Moderator: Ines Koerner, MD, PhD, Oregon Health & Science University, Portland, OR

2:40 pm EST – 3:40 pm EST

2:40 pm- 2:55 pm

Resident Travel Award

The effect of tidal volume on postoperative respiratory complications is dependent on patients' respiratory system elastance: A multicenter hospital registry study
Aiman Suleiman

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Beth Israel Deaconess Medical Center, Boston, MA

2:55 pm- 3:10 pm

Junior Faculty Pediatric Medicine Research Award (*Award supported by Dr. Y.S. Prakash, MD, PhD*)
Incidence and Risk Factors of Perioperative Respiratory Adverse Events in Children Undergoing Elective Surgery Employing Logistic Regression and Machine Learning Cluster Analysis
Johnny Kenth, BSc, MSc, MBBS, FRCA, PG Cert, MSc, MAcadMed
Royal Manchester Children's Hospital, Manchester, United Kingdom

3:10 pm – 3:25 pm

Junior Faculty Perioperative Medicine Research Award (*Award supported by Dr. Y.S. Prakash, MD, PhD*)
Association of Anesthesiologist Staffing Ratio with Postoperative Morbidity and Mortality
Michael Burns, MD, PhD
University of Michigan, Ann Arbor, MI

3:25 pm – 3:40 pm

Top Oral Abstract 2
Integrated single-cell and plasma proteomic modeling to predict surgical site complications, a prospective cohort study
Amy Tsai, BA
UC Davis School of Medicine, Sacramento, CA

Break

3:40 pm EST – 3:50 pm EST

Member Submitted Programming I: Growing Anesthesiology Research – From Career Development to Independent Funding

3:50 pm EST – 4:50 pm EST

Moderators: *Monica Vavilala, MD, University of Washington Medicine, Seattle, WA*

Vivianne Tawfik, MD, PhD
Stanford University School of Medicine, Stanford, CA

Andrea L. Chadwick, M.D., MSc, FASA
University of Kansas Medical Center, Kansas City, KS

Karsten Bartels, MD, PhD, MBA
University of Nebraska Medical Center, Omaha, NE

Meredith Adams, MD, MS

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Wake Forest School of Medicine, Winston-Salem, NC

Aligned Session with IARS, AUA and SOCCA: A&A Sponsored Journal Symposium

4:15 pm – 5:30 pm

Break

4:50 pm EST – 5:00 pm EST

Educational Advisory Board and Leadership Advisory Board Award Session

5:00 pm EST – 5:15 pm EST

Moderators: *Keith Baker, MD, PhD, Massachusetts General Hospital, Boston, MA and Maya Hastie, MD, Columbia University Irving Medical Center, New York, NY*

<i>5:00 pm – 5:03 pm</i>	Educational Advisory Board Education Innovation Award Introduction <i>Keith Baker, MD, PhD, Massachusetts General Hospital, Boston, MA</i>
<i>5:03 pm – 5:05 pm</i>	Remarks Jed Wolpaw MD, M.Ed Johns Hopkins School of Medicine Baltimore, MD
<i>5:05 pm – 5:07 pm</i>	Educational Advisory Board Education Research Award Introduction <i>Keith Baker, MD, PhD, Massachusetts General Hospital, Boston, MA</i>
<i>5:08 pm – 5:10 pm</i>	Remarks <i>John D. Mitchell, MD</i> <i>Beth Israel Deaconess Medical Center</i> <i>Boston, MA</i>
<i>5:10 pm – 5:13 pm</i>	Leadership Advisory Board Award: IDEAL – Inclusion, Diversity, Equity, Acceptance, and Leadership Award Introduction <i>Maya Hastie, MD, Columbia University Irving Medical Center, New York, NY</i>
<i>5:13 pm – 5:15 pm</i>	Remarks <i>Tracey Straker, MD</i> <i>Montefiore Medical Center</i> <i>Bronx, NY</i>

Member Submitted Programming II: The Intersectionality of African American Female Chairs - A Conversation between an Anesthesiology Chair and a Surgical Chair

5:15 pm EST – 6:15 pm EST

Moderator: *Tracey Straker, MD, MS, MPH, CBA, FASA, Montefiore Medical Center, Bronx, NY*

 Sessions approved for ABA MOCA 2.0® Patient Safety CME credit.

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5:15 pm- 5:35 pm	Academic Pearls from an African American Female Chair of Anesthesiology <i>Alice Coombs, MD</i> <i>Virginia Commonwealth University, Richmond, VA</i>
5:35 pm- 5:55 pm	Academic Pearls from an African American Female Chair of Surgery <i>Karen Gibbs, MD</i> <i>Yale New Haven Health/Bridgeport Hospital, New Haven, CT</i>
5:55 pm – 6:15 pm	Q&A and Discussion

Break

6:15 pm EST – 6:30 pm EST

Concurrent Oral Abstract Session IV

6:30 pm EST – 7:30 pm EST

1. Concurrent Oral Abstract Session: Perioperative Anesthesia 5

Moderator: Matthias Merkel, MD, PhD

2. Concurrent Oral Abstract Session: Cardiovascular Anesthesiology and Respiration

Moderator: Ines Koerner, MD, PhD

3. Concurrent Oral Abstract Session: Critical Care 4

Moderator: Avinash Kumar, MD, FCCM, FCCP

4. Concurrent Oral Abstract Session: Economics, Education, Policy 4

Moderator: Rene Przkora, MD, PhD

5. Concurrent Oral Abstract Session: Neuroscience 4

Moderator: Cyrus Mintz, MD, PhD

6. Concurrent Oral Abstract Session: Patient Safety

Moderator: Amanda Lorinc, MD

7. Concurrent Oral Abstract Session: Perioperative Anesthesia 6

Moderator: Odmara Barreto Chang, MD/PhD

8. Concurrent Oral Abstract Session: Regional Anesthesia

Moderator: Anna Woodbury, MD, MSCR

9. Concurrent Oral Abstract Session: Technology, Computing/Simulation and Equipment 2

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Moderator: Michael Andreae, MD

10. Concurrent Oral Abstract Session: Trauma 2

Moderator: Jean-Francois Pittet, MD

Saturday, March 19, 2022 – Aligned Meeting Day