




INTERNATIONAL ANESTHESIA RESEARCH SOCIETY

VIRTUAL ANNUAL MEETING | MAY 15 – 16, 2021



PRELIMINARY PROGRAM

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PRELIMINARY PROGRAM

Saturday, May 15, 2021

T.H. Seldon Memorial Lecture: The Future of the Specialty: How the Pandemic and Policy Changes should Influence our Leadership

11:15 am - 12:00 pm ET

11:10 am

Introduction

Speaker: George Mashour, MD, PhD, University of Michigan

11:15 am

Lee A. Fleisher, MD

Professor of Anesthesiology and Critical Care and Professor of Medicine

University of Pennsylvania Perelman School of Medicine

CMS Chief Medical Officer and Director of the Center for Clinical Standards and Quality

Centers for Medicare and Medicaid Services

Science of COVID Symposium

12:00 pm – 1:00 pm ET

Moderator: *Michael S. Avidan, MBBCh, Washington University in St. Louis, St. Louis, Missouri*

12:00 pm – 12:10 pm

Use of inhaled anesthetics as anti-inflammatories

Angela Jerath, MSc, FRCPC, FANZCA, MD, BSc

Sunnybrook Health Sciences Centre, Toronto, Ontario

12:10 pm – 12:20 pm

So what is going on with coagulation in COVID-19 infection?

Beverly Hunt, OBE FRCP FRCPath

King's College London, London, UK

12:20 pm – 12:30 pm

Role of trained immunity in fighting new pandemics

Leon du Toit, MMed

University of Cape Town, Cape Town, South Africa

12:30 pm – 1:00 pm

Moderated Discussion and Q&A

Break

1:00 pm – 1:10 pm ET

Concurrent Sessions

1:10 pm – 2:10 pm ET



Session designated for ABA MOCA® Patient Safety CME Credit

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PRELIMINARY PROGRAM

1. Navigating the Behavioral Economics of Neurocritical Care

1:10 pm – 1:28 pm *Patrick Britell, Medical University of South Carolina, Charleston, SC*

1:28 pm – 1:40 pm Q&A

2. Panel: How Advances in Technology Will Impact the Practice of Anesthesiology

Moderator: *Ronald Pearl, MD, PhD, Stanford University School of Medicine, Stanford, CA*

1:10 pm – 1:20 pm How Advances in Surgery Will Change the Practice of Anesthesiology
Gaganpreet Grewal, MD
University of Texas Southwestern Medical Center, Dallas, TX

1:20 pm – 1:30 pm Artificial Intelligence, Machine Learning, and the Practice of Anesthesiology
Michael Mathis, MD
University of Michigan Medicine, Ann Arbor, MI

1:30 pm – 1:40 pm Remote Monitoring to Improve Patient Outcomes
Jeanine Wiener-Kronish, MD
Massachusetts General Hospital, Boston, MA

1:40 pm – 1:50 pm How Advances in Pharmacology Will Change the Practice of Anesthesiology
Alex Evers, MD
Washington University School of Medicine, St. Louis, MO

1:50 pm – 2:10 pm Moderated Discussion and Q&A

3. Panel: Prehabilitation and Medical Optimization in High-Risk Surgical Patients

Moderator: *Matthew McEvoy, MD, Vanderbilt University Medical Center, Nashville, TN*

1:10 pm – 1:22 pm Frailty and sarcopenia: what can I do about that?
Kimberly Rengel, MD
Vanderbilt University Medical Center, Nashville, TN

1:22 pm – 1:34 pm Nutritional optimization before surgery
Paul Wischmeyer, MD, EDIC, FASPEN, FCCM
Duke University School of Medicine, Durham, NC

1:34 pm – 1:46 pm Preoperative cognitive assessment and optimization
Deborah Culley, MD
Brigham and Women's Hospital, Boston, MA

1:46 pm – 1:58 pm Preoperative medical optimization programs: practical steps for implementation
Matthew McEvoy, MD

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PRELIMINARY PROGRAM

Vanderbilt University Medical Center, Nashville, TN

1:58 pm – 2:10 pm Moderated Discussion and Q&A

4. Association of University Anesthesiologists (AUA) Sponsored Symposium: Anesthesia and the Microbiome: Exploring a New Frontier in Perioperative Medicine

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

1:10 pm – 1:23 pm Anesthetic Effects on the Gut Microbiome
Cyrus Mintz, MD, PhD
Johns Hopkins School of Medicine, Baltimore, MD

1:24 pm – 1:37 pm Gut Microbiota in Neuroinflammation and Pain
Shiqian Shen, MD
Massachusetts General Hospital, Charlestown, MA

1:38 pm – 1:51 pm Gut Dysbiosis in Critical Illness
Paul Wischmeyer, MD, EDIC, FASPEN, FCCM
Duke University School of Medicine, Durham, NC

1:51 pm – 2:10 pm Moderated Discussion and Q&A

5. Smart Tots Panel: Update on Pediatric Anesthetic Neurotoxicity

Moderator: *Dean Andropoulos, MD, MHCM, Texas Children's Hospital, Houston, TX*

1:10 pm – 1:25 pm Is There A Phenotype for Clinical Anesthetic Neurotoxicity Studies?
Caleb Ing, MD
Columbia University Irving Medical Center, New York, NY

1:25 pm – 1:40 pm Translating Pre-Clinical Data to Clinical Studies
Laszlo Vutskits, MD, PhD
University Hospitals of Geneva, Geneva, Switzerland

1:40 pm -1:55 pm Update on TRES Trial, and Challenges with Clinical Studies
Andrew Davidson, MBBS, MD, FANCA
Royal Children's Hospital, Victoria, Australia

1:55 pm – 2:10 pm Moderated Discussion and Q&A

Break

2:10 pm – 2:20 pm ET

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PRELIMINARY PROGRAM

International Science Symposium: Psychedelic Neuroscience

2:20 pm – 3:20 pm ET

Moderator: *George Mashour, MD, PhD, University of Michigan, Ann Arbor, Michigan*


2:20 pm – 2:32 pm	MDMA and social anxiety/Ketamine <i>Boris Heifets, MD, PhD</i> <i>Stanford University School of Medicine, Stanford, CA</i>
2:32 pm – 2:44 pm	Neuroimaging and connectivity and network analysis <i>Robin Carhart Harris, MD</i> <i>Imperial College London, London, UK</i>
2:44 pm – 2:56 pm	Neuropharmacology <i>Katrin Preller, PhD</i> <i>Yale School of Medicine, New Haven, CT</i>
2:56 pm – 3:20 pm	Moderated Discussion and Q&A

Break

3:20 pm – 3:30 pm ET

Concurrent Sessions

3:30 pm – 4:30 pm ET

1. Society for Anesthesia and Sleep Medicine (SASM) Sponsored Panel: Pediatric Tonsillectomy: To Breathe or Not to Breathe, that is the Painful Question 

Moderator: *Raj Subramanyam, MBBS, MD, MS, Children's Hospital of Philadelphia, Philadelphia, PA*

3:30 pm – 3:42 pm	Obstructive sleep apnea: from metabolomics to "Humanomics" and back <i>Olubukola Nafiu, MD, FRCA, MS</i> <i>Nationwide Children's Hospital, Columbus, OH</i>
3:42 pm – 3:54 pm	Opioid sparing techniques for tonsillectomy <i>Raj Subramanyam, MBBS, MD, MS</i> <i>Children's Hospital of Philadelphia, Philadelphia, PA</i>
3:54 pm – 4:06 pm	Postop respiratory complication prediction during tonsillectomy with & without prior sleep studies <i>Lisa Elden, MD, FRCPC</i> <i>Children's Hospital of Philadelphia, Philadelphia, PA</i>
4:06 pm – 4:18 pm	Measures to improve perioperative airway management in obstructive sleep apnea patients



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PRELIMINARY PROGRAM

*Kimmo Murto, FRCPC
CHEO Hospital, Ottawa, Ontario*

4:18 pm – 4:30 pm Moderated Discussion and Q&A

2. Review Course Lecture: Machine Learning for Anesthesiologists 101

3:30 pm – 4:30 pm *Hannah Lonsdale, MBChB, Johns Hopkins University, Baltimore, MD*

3. Symposium: Immune Health in Surgery and Critical Care – Challenges and Novel Opportunities

Moderator: *Martin Angst, MD, Stanford University School of Medicine, Stanford, CA*

3:30 pm – 3:42 pm The Surgical Immune Response – How Do We Measure It and What Does It Tell Us in Perioperative Care?
*Brice Gaudilliere, MD, PhD
Stanford University School of Medicine, Stanford, CA*

3:42 pm – 3:54 pm Onco-anesthesia – Do Anesthetic Choices Influence Outcomes in Cancer Surgery?
*Tom Wall, MD
University College Dublin, Dublin, Ireland*

3:54 pm – 4:06 pm Biological Determinants in Critical Illness – A Path towards Individualized Patient Care in the ICU?
*Philip Efron, MD
University of Florida, Gainesville, FL*

4:06 pm – 4:18 pm Biological Determinants of Wound Healing – What are Modifiable Factors in Perioperative Medicine?
*Sashwati Roy, PhD
Indiana University School of Medicine, Indianapolis, IN*

4:18 pm – 4:30 pm Moderated Discussion and Q&A

4. Anesthesia Research Council (ARC) Update



Moderator: TBD

3:30 pm – 3:35 pm Intro
Max Kelz

3:30pm – 3:45 pm Introduction
*Charles W. Emala, MD
Columbia University Irving Medical Center, New York, NY*

3:45 pm – 4:00 pm Breakouts

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PRELIMINARY PROGRAM

5. Panel: AKI from Bench to Bedside: Hopeless Endeavor or Hopeful Progress?

Moderator: *Jamie Privratsky, MD, PhD, Duke University Medical Center, Durham, NC*

3:30 pm – 3:45 pm

Immune system modulation for critical illness-associated AKI

Jamie Privratsky, MD, PhD

Duke University Medical Center, Durham, NC

3:45 pm – 4:00 pm

Bridging the gap between the bench and the bedside: developing lipoprotein-based therapeutics to pre

Loren Smith, MD, PhD

Vanderbilt University Medical Center, Nashville, TN

4:00 pm – 4:15 pm

Recent clinical trials and acute kidney injury: what we have learned and where we are headed

Marcos Lopez, MD, MS

Vanderbilt University Medical Center, Nashville, TN

4:15 pm – 4:30 pm

Moderated Discussion and Q&A

6. Review Course Lecture: Heart Failure with Preserved Ejection Fraction (HFpEF): An Emerging Perioperative Risk Factor

3:30 pm – 4:30 pm

Aalok K. Kacha, MD, PhD, FASA

The University of Chicago, Chicago, IL

Break

4:30 pm – 4:40 pm ET

Campfire Session: Facilitate, Mediate or Negotiate: Do You Have the Skills to Successfully Engage in the Conversation?

4:40 pm – 5:40 pm ET

Moderator: *Elizabeth Duggan, MD, University of Alabama Birmingham, Birmingham, AL*

Lauren Hill, MBA, Columbia University Medical Center, New York, NY

Elizabeth W Duggan, MD, University of Alabama Birmingham, Birmingham, AL

Caitlin D Sutton, MD, Baylor College of Medicine, Houston, TX

Kathy Rogers, JD, Emory University School of Law, Atlanta, GA

Networking Opportunity/Meet the Experts Sessions

5:45 pm – 7:00 pm

1. AI in Healthcare

Vikas O'Reilly-Shah, MD, PhD, FASA, University of Washington, Seattle Children's Hospital



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PRELIMINARY PROGRAM

2. Ambulatory Anesthesia
Kumar Belani, MBBS, MS, M Health Fairview Masonic Children's Hospital
3. Anesthesia for Fetal Surgery
Marla Ferschl, MD, University of California San Francisco
4. Challenges and Opportunities in Translational Neuroscience with a focus on Delirium Modeling
Niccolo Terrando, PhD, Duke University
5. Clinical Trials
Andrew Davidson, MBBS, MD, FANZCA, Royal Children's Hospital
6. Clinician Well-Being
Jina Sinskey, MD, University of California San Francisco
7. Cognitive Change; Older Adults; Epidemiologic Modeling
Elizabeth Whitlock, MD, MSc, University of California, San Francisco School of Medicine
8. Personalized Medicine
Kristin Schreiber, MD, PhD, Brigham and Women's Hospital; Harvard Medical School
9. Neuroanesthesia
Odmara Barreto Chang, MD, PhD, University of California San Francisco
10. Women in Medicine
Marina Moguevitch, MD, Montefiore Medical Center

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PRELIMINARY PROGRAM

Sunday, May 16, 2021

Kosaka Best Abstract Award Session

10:30 am - 12:00 pm ET

10:30 am – 10:35 am Introduction

Top Basic Science Presentations

10:35 am – 10:43 am Protective Effects of Hydrogen Gas against Spinal Cord Ischemia Reperfusion Injury: A Microdialysis Study in the Spinal Ventral Horn

Aya Kimura

Osaka City University Graduate School of Medicine, Osaka, Japan

10:43 am – 10:51 am Reduction in Cerebral Blood Flow During Aeromedical Evacuation-Relevant Hypobaria Following Rat Traumatic Brain Injury

Gary Fiskum

University of Maryland School of Medicine, Baltimore, MD

10:51 am – 10:59 am Leveraging TRPV1 genetic divergence between avian and mammalian species to develop a TRPV1^{K710N} knock-in mouse and a novel analgesic

Shufang He

The Second Hospital of Anhui Medical University; Stanford University, Hefei, China

Top Clinical Research Presentations

10:59 am – 11:07 am Whole-brain network connectivity changes with midazolam sedation during task performance and periodic pain: A functional MRI study in healthy young adults

Keith M Vogt

University of Pittsburgh, Pittsburgh, PA

11:07 am – 11:15 am Applying Machine Learning to Identify Pediatric Patients at Risk of Critical Perioperative Adverse Events: using the APRICOT Dataset

Hannah Lonsdale

Johns Hopkins University, St Petersburg, FL

11:15 am – 11:23 am Reduction of preoperative anxiety using Virtual Reality vs midazolam: A randomized controlled trial

Anthony Koo

Phoenix Childrens Hospital, Scottsdale, AZ

Top Scholars Presentations

11:23 am – 11:31 am Modulation Of Microvascular Blood Flow And Stroke Outcome Via GPR39 in Mice

Yifan Xu

Oregon Health and Sciences University, Portland, OR

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PRELIMINARY PROGRAM

- 11:31 am – 11:39 am Perioperative neurocognitive and neuroimaging trajectories in older APOE4 carriers vs non-carriers: A prospective cohort study
Rosa O Yang
Duke University School of Medicine, Durham, NC
- 11:39 am – 11:47 am Anesthetic activation of GABAA receptors in astrocytes triggers a persistent increase in cell-surface expression of $\alpha 5$ GABAA receptors in neurons via IL-1 β in mice
Arsene Pinguelo
University of Toronto, Toronto, Ontario
- 11:47 am – 11:55 am Judges Deliberate
Seun Johnson-Akeju, MD, Massachusetts General Hospital, Harvard Medical School, Boston, MA
Vivianne Tawfik, MD, PhD, Stanford University School of Medicine, Stanford, CA
Max Kelz, MD, PhD, University of Pennsylvania, Philadelphia, PA
Y.S. Prakash, MD, PhD, Mayo Clinic, Rochester, MN
- 11:55 am – 12:00 pm Winners Announced and Closing Statement

World Federation of Societies of Anaesthesiologists (WFSA) Sponsored Symposium: Evidence in the Era of Distrust: Maintaining Scientific Honesty While Remaining Socially Relevant

12:00 pm – 1:00 pm ET

Moderator: *Adrian Gelb, MB, University of California San Francisco, San Francisco, CA and Davy Cheng, MD MSc, FRCPC, FCAHS, CCPE, Western University London Health Sciences Centre, London, Ontario*

- 12:00 pm – 12:15 pm How Can We Be Evidence-Based in the Face of Evidence Reversals, Over-Hype, and Research Misconduct
Janet Martin, MSc (HTA&M), PharmD
Western University, London, Ontario
- 12:15 pm – 12:30 pm Ethical, Cultural, and Practical Challenges of Developing & Implementing Global Anesthesia Research
Angela Enright, OC, MB, FRCPC
University of British Columbia, Victoria, British Columbia
- 12:30 pm – 12:45 pm Shared Decision Making in the Perioperative Setting: A Complex Multi-Faceted Construct
Hilary Grocott, MD FRCPC
University of Manitoba, Winnipeg, Manitoba
- 12:45 pm – 1:00 pm Moderated Discussion and Q&A

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PRELIMINARY PROGRAM

Break

1:00 pm – 1:10 pm ET

Concurrent Sessions

1:10 pm – 2:10 pm ET

1. Symposium: Wellness and Resilience

Moderator: *Keith H. Baker, MD, PhD, Massachusetts General Hospital, Boston, MA*

1:10 pm – 1:35 pm Science of Wellness, Pathophysiology of Stress
Afton Hassett, Psy.D
University of Michigan, Ann Arbor, MI

1:35 pm – 2:00 pm Structural Aspects of Wellness in Institutions
Scott Markowitz, MD
University of Colorado Medical Center, Aurora, CO

2:00 pm – 2:10 pm Moderated Discussion and Q&A

2. Panel: Futility in Critical Care: What, When and How?

Moderator: *Robert Sladen, MBChB, FCCM, Columbia University Medical Center, New York, NY*

1:10 pm – 1:25 pm What is Futility?
Kenneth Prager, MD
Columbia University Medical Center, New York, NY

1:25 pm – 1:40 pm Is It Ever Too Early to Consult Palliative Care?
Shunichi Nakagawa, MD
Columbia University Medical Center, New York, NY

1:40 pm – 1:55 pm It's a Bridge to No Recovery - Now What
Teresa Mulaikal, MD
Columbia University Medical Center, New York, NY

1:55 pm – 2:10 pm Moderated Discussion and Q&A

3. Liver Intensive Care Group of Europe (LICAGE), Society for the Advancement of Transplant Anesthesia (SATA) and International Liver Transplantation Society (ILTS) Sponsored Panel: Lessons from Transplant Anesthesia for the Rest of Us: Coagulation, Perfusion and Liver Function

Moderator: *Fuat Saner, MD, University Duisburg, Essen, Germany*

1:10 pm – 1:25 pm New models of coagulation and hemostasis: does it affect my transfusion practice?

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PRELIMINARY PROGRAM

Gebhard Wagener, MD
Columbia University Medical Center, New York, NY

1:25 pm – 1:40 pm How to assess organ perfusion: pressure is not everything
Ahmed Mohamed Mukhtar, MD
University of Cairo, Cairo, Egypt

1:40 pm – 1:55 pm My patient with liver disease is undergoing surgery. Should I proceed?
Dmitri Bezinover, MD, PhD
Penn State Hershey Medical Center, Hershey, PA

1:55 pm – 2:10 pm Moderated Discussion and Q&A

4. International Society for the Perioperative Care of the Obese Patient (ISPCOP) Sponsored Review Course Lecture: Acute Pain Management in Morbid Obesity - Controversies and Conundrums!

1:10 pm – 2:10 pm *Naveen Eipe, MD, The Ottawa Hospital, Ottawa, Ontario*

5. Early-Stage Anesthesiology Scholars (eSAS) Session: Going Up: Early Stage Anesthesiology Scholars Rapid-Fire Showcase

Moderator: *Aaron Norris, MD, PhD, Washington University School of Medicine, St. Louis, MO*

1:10 pm – 1:15 pm *Broc Burke, MD, PhD*
Washington University School of Medicine, St. Louis, MO

1:15 pm – 1:20 pm *Erica Langnas, MD*
University of California San Francisco, San Francisco, CA

1:20 pm – 1:25 pm *Loren Smith, MD, PhD*
Vanderbilt University Medical Center, Nashville, TN

1:25 pm – 1:30 pm *Michael Devinney, Jr., MD, PhD*
Duke University School of Medicine, Durham, NC

1:30 pm – 1:35 pm *Victoria Bedell, MD, PhD*
Perelman School of Medicine at the University of Pennsylvania, Philadelphia, PA

1:35 pm – 1:40 pm *Brittney Williams, MD*
University of Maryland School of Medicine, Baltimore, MD

1:40 pm – 1:45 pm *Mitra Heshmati, MD, PhD*
University of Washington, Seattle, WA

1:45 pm – 1:50 pm *Allison Janda, MD*

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PRELIMINARY PROGRAM

University of Michigan, Ann Arbor, MI

1:50 pm – 1:55 pm

James Khan, MD

Mount Sinai Hospital, Toronto, Ontario, Canada

1:55 pm – 2:10 pm

Moderated Discussion and Q&A

6. Panel: Visualizing Pain: From Mouse to Human

Moderator: *Shiqian Shen, Massachusetts General Hospital, Charlestown, MA*

1:10 pm – 1:25 pm

A novel animal pain model with distinct behavior

Norman Taylor, MD, PhD

University of Utah, Salt Lake City, UT

1:25 pm – 1:40 pm

Imaging neuronal activities in animal pain models

Guang Yang, PhD

Columbia University, New York, NY

1:40 pm – 1:55 pm

Imaging humans with chronic pain

Hsiao-Ying Wey, PhD

Massachusetts General Hospital, Boston, MA

1:55 pm – 2:10 pm

Moderated Discussion and Q&A

Break

2:10 pm – 2:30 pm ET

Concurrent Sessions

2:30 pm – 3:30 pm ET

1. Review Course Lecture: Bad Heart-Bad Lungs: How Ventilation in ARDS Impacts Patients with Marginal Right and Left Ventricular Function 

2:30 pm – 3:30 pm

Aranya Bagchi, MD, Harvard Medical School, Boston, MA

2. *Anesthesia & Analgesia* Sponsored Symposium: Perioperative Outcomes: Current Evidence and Future Priorities

Moderator: *Jean-Francois Pittet, MD, DEAA, University of Alabama at Birmingham, Birmingham, AL*

2:30 pm – 2:45 pm

Perioperative Outcomes: Shock

Judith Hellman, MD

University of California San Francisco, San Francisco, CA



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PRELIMINARY PROGRAM

2:45 pm – 3:00 pm Perioperative Outcomes: British Journal of Anesthesia
Hugh Hemmings, MD, PhD, FRCA
Weill Cornell Medical College, New York, NY

3:00 pm – 3:15 pm Perioperative Outcomes: Obstetrics & Gynecology
John R. Fischer, MD, FACOG
University of Minnesota, Minneapolis, MN

3:15 pm – 3:30 pm Perioperative Outcomes: Anesthesia & Analgesia
Paloma Toledo, MD, MPH
Northwestern University, Chicago, IL

3:30 pm – 3:45 pm Moderated Discussion and Q&A

3. Panel: Frailty and Perioperative Care: Assessment, Optimization, Outcomes and Shared Decision Making

Moderator: *Daniel Mclsaac, MD, MPH, FRCPC, University of Ottawa, Ottawa, Ontario*

2:30 pm – 2:42 pm Perioperative Frailty-The why and how of adverse outcomes
Daniel Mclsaac, MD, MPH, FRCPC
University of Ottawa, Ottawa, Ontario

2:42 pm – 2:54 pm Preoperative frailty assessment-an evidence-based approach
Sylvie Aucoin, DM, MSc, FRCPC
University of Ottawa, Ottawa, Ontario

2:54 pm – 3:06 pm Evidence-based optimization of surgical patients with frailty
Daniel Mclsaac, MD, MPH, FRCPC
University of Ottawa, Ottawa, Ontario

3:06 pm – 3:18 pm Shared decision making for vulnerable patients before surgery
Laura Boland, MSc, PhD(c)
University of Ottawa, Ottawa, Ontario

3:18 pm – 3:30 pm Moderated Discussion and Q&A

4. American Society of Anesthesiologists (ASA) Sponsored Campfire Session: Incorporating Diversity and Inclusion in Anesthesiology programs - Residents and Faculty

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

2:30 pm – 2:36 pm The State of Disparities in Anesthesiology
Vilma Joseph, MD, MPH, Albert Einstein School of Medicine, Bronx, NY

2:35 pm – 2:40 pm Incorporating Diversity and Inclusion in Anesthesiology Programs – Residents and Faculty

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PRELIMINARY PROGRAM

Tracey Straker, MD, MS, MPH, FASA, Montefiore Medical Center, Bronx, NY

2:40 pm – 2:45 pm

Recruiting & Retaining a Diverse Anesthesiology Department: Representation Matters

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

2:45 pm – 2:50 pm

The Resident Physician (Tomorrow's Hope)

Alexandra Bastien, MD, Montefiore Medical Center, Bronx, NY

2:50 pm – 3:30 pm

Discussion with Audience Participation

5. Panel: To study the Underlying Mechanism of Postoperative Delirium: Establishment of Clinically Relevant Animal Models

Moderator: *Zhongcong Xie, MD, PhD, Massachusetts General Hospital, Boston, MA*

2:30 pm – 2:45 pm

Opportunities and challenges: preclinical studies on postoperative delirium

*Deborah Culley, MD
Brigham and Women's Hospital, Boston, MA*

2:45 pm – 3:00 pm

Animal models for or animal models of

*Mark Baxter, PhD
Icahn School of Medicine at Mount Sinai, New York, NY*

3:00 pm – 3:15 pm

Animal study of delirium: can we really do it?

*Zhongcong Xie, MD, PhD
Massachusetts General Hospital, Boston, MA*

3:15 pm – 3:30 pm

Moderated Discussion and Q&A

6. Panel: Socioeconomics and Outcomes in Healthcare with Focus on COVID

Moderator: *Bridget Flynn, MD, University of Kansas, Kansas City, MO*

2:30 pm – 2:40 pm

Socioeconomic Position and Healthcare

Elizabeth Cotter, MD, University of Kansas, Kansas City, MO

2:40 pm – 2:50 pm

SARS-CoV2 Infection and Socioeconomic Position

Ibukunoluwa Adeleke, MD, Northwestern University, Chicago, IL

2:50 pm – 3:00 pm

COVID19, Pregnancy, Children and Socioeconomic Position

Brent Kidd, MD, University of Kansas, Kansas City, MO

3:00 pm – 3:10 pm

Geography and COVID

Vivek Moitra, MD, Columbia University Medical Center, New York, NY

3:10 pm – 3:30 pm

Moderated Discussion and Q&A

INTERNATIONAL ANESTHESIA RESEARCH SOCIETY

VIRTUAL ANNUAL MEETING | MAY 15 – 16, 2021



PRELIMINARY PROGRAM

Break

3:30 pm – 3:40 pm

Diversity: Healthcare Equity and Disparities of Care Symposium

3:40 pm – 4:40 pm ET

4:40 pm – 5:02 pm ET Using Modifiable Risk Factors to Predict and Address Disparities in Breast Cancer Care

*Oluwadamilola "Lola" Fayanju, MD, MA, MPHS
Duke University School of Medicine*

5:02 pm – 5:24 pm ET (In)equity, Diversity, Inclusion, and Belonging in Anesthesiology: Epistemic and Ontological Shifts

*Gianni R. Lorello BSc, MD, MSc (Med Ed), CIP, FRCPC
Toronto Western Hospital - University Health Network*

5:24 pm – 5:40 pm ET Moderated Discussion and Q&A

Evening Networking Opportunity/Meet the Experts Sessions

4:45 – 6:00 pm

11. Application of Your First NIH Grant
Zhongcong Xie, MD, PhD, Massachusetts General Hospital and Harvard Medical School
12. Education
Dawn Dillman, MD, Oregon Health & Science University
13. Machine Learning Applied to Perioperative Care: Pitfalls & Opportunities
Michael Mathis, MD, University of Michigan Medicine
14. Out of OR Emergency Airway Management
Kunal Karamchandani, MD, FCCP, Penn State Health Milton S. Hershey Medical Center
15. Perioperative Management of Patients Undergoing Thoracic Endovascular Repairs!
Harendra Arora, MD, MBA, University of North Carolina Healthcare
16. Right Heart Failure: How to Diagnose in the OR
Andre Denault, MD PhD, Montreal Heart Institute
17. Sexual Harassment in Medicine
Brigid Flynn, MD, University of Kansas
18. Health, Equity, Diversity & Inclusion



Session designated for ABA MOCA® Patient Safety CME Credit

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PRELIMINARY PROGRAM

Valerie Armstead, MD, Temple University Lewis Katz School of Medicine

19. Metrics for Success, Strategic thinking for Culture Change, and Making Yourself Present and More Valuable to your Hospital
Miguel Cobas, MD, Jackson Health Systems
20. Opportunities in Critical Care and Academic Anesthesiology
Michael Wall, MD, FCCM, University of Minnesota Medical School
21. Perioperative Neurocognitive Disorders (including delirium), and their Relationship with Alzheimer's Disease and Related Dementias
Miles Berger, MD, PhD, Duke University Medical Center
22. Postoperative Delirium
Deborah Culley, MD, Brigham and Women's Hospital
23. Using EEG Information to Guide Intraoperative Pharmacologic Decision-Making
Paul Garcia, MD, PhD, Columbia University