



# 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. 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

### 2. 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*

*Vanderbilt University Medical Center, Nashville, TN*

1:58 pm – 2:10 pm

Moderated Discussion and Q&A

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## PRELIMINARY PROGRAM

### 3. 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

### 4. 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, FANZCA*  
*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**

## 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



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## PRELIMINARY PROGRAM

*Boris Heifets, MD, PhD*

*Stanford University School of Medicine, Stanford, CA*

2:32 pm – 2:44 pm

Neuroimaging and connectivity and network analysis

*Robin Carhart Harris, MD*

*Imperial College London, London, UK*

2:44 pm – 2:56 pm

Neuropharmacology

*Katrin Preller, PhD*

*Yale School of Medicine, New Haven, CT*

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

*Olubukola Nafiu, MD, FRCA, MS*

*Nationwide Children's Hospital, Columbus, OH*

3:42 pm – 3:54 pm

Opioid sparing techniques for tonsillectomy

*Raj Subramanyam, MBBS, MD, MS*

*Children's Hospital of Philadelphia, Philadelphia, PA*

3:54 pm – 4:06 pm

Postop respiratory complication prediction during tonsillectomy with & without prior sleep studies

*Lisa Elden, MD, FRCPC*

*Children's Hospital of Philadelphia, Philadelphia, PA*

4:06 pm – 4:18 pm

Measures to improve perioperative airway management in obstructive sleep apnea patients

*Kimmo Murto, FRCPC*

*CHEO Hospital, Ottawa, Ontario*

4:18 pm – 4:30 pm

Moderated Discussion and Q&A



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## PRELIMINARY PROGRAM

### 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. The future of the anesthesiology physician scientist; an Anesthesia Research Council (ARC) update and needs assessment



3:30 pm -3:35 pm An introduction of ARC by the chair of the ARC Steering Committee  
*Max Kelz, MD, PhD*

3:35 pm-3:45 pm An overview of year I working group study charges and approach to data collection

*Charles Emala, MS, MD*

3:45 pm - 4:15 pm Break Out Room Discussions

Room 1: Anesthesiology's physician scientist pipeline; benchmarked against other specialties

*Charles Emala, MD and Vivianne Tawfik, MD*

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## PRELIMINARY PROGRAM

Room 2: Factors, Barriers and Solutions to successful launch of anesthesiology physician scientists

*Monica Vavilala, MD*

Room 3: Diversity; Identifying Factors and Solutions to barriers that differentially affect underrepresented groups

*Paloma Toledo, MD*

Room 4: Recommendations to trainees, mentors, chairs, deans and funding, legislative and academic societies to strengthen the anesthesiology physician scientist pipeline

*Cynthia Wong, MD and Lee Fleisher, MD*

4:15 pm - 4:30 pm          Wrap Up

### 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



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## PRELIMINARY PROGRAM

### 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*

*Laureen 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*
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 Moguilevitch, 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<sup>K710N</sup> 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 $\beta$  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 McIsaac, MD, MPH, FRCPC, University of Ottawa, Ottawa, Ontario*

2:30 pm – 2:42 pm      Perioperative Frailty-The why and how of adverse outcomes  
*Daniel McIsaac, 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 McIsaac, 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

# INTERNATIONAL ANESTHESIA RESEARCH SOCIETY

VIRTUAL ANNUAL MEETING | MAY 15 – 16, 2021



## 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



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## 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*