



26TH ANNUAL MEETING

Friday,
October 20th, 2017
Sheraton Boston Hotel
39 Dalton St.,
Boston, MA 02199

International Society For Anaesthetic Pharmacology 2017 Registration Brochure

6737 W. Washington St., Suite 4210 • Milwaukee, WI 53214
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26th Annual Meeting Agenda

7:00 – 8:00	Breakfast (Sponsored)
8:00 – 8:10	Welcome ISAP President, Mohamed Naguib, MD
8:10 – 8:15	Introduction to the Program Michael J. Avram, Ph.D. and Stuart A. Forman, M.D., Ph.D.
8:15 – 9:00	Session 1 – The Opioid Epidemic
8:15 – 8:35	Opioid analgesics – The Good, the bad, and the ugly. Jianren Mao, MD, PhD
8:35 – 8:55	Perioperative pain management of opioid-tolerant patients. Padma Gulur, MD
9:00 – 09:30	Break
09:30 – 10:30	Session 2 – Respiratory Stimulants to Treat Anesthetic-induced or Opioid-induced Hypoventilation
09:30 – 10:00	Mechanisms of drug-induced respiratory depression. Albert Dahan, MD, PhD
10:00 – 10:30	Developing drugs to treat respiratory depression - translational studies. Joseph Cotton, MD, PhD
10:30 – 11:30	Session 3 – New Pharmacological Approaches to Post-op and Chronic Pain
10:30 – 11:00	Biased opioid agonists TJ Gan, MD, MHS, FRCA
11:00 – 11:30	DREADDs as potential pain modulatory therapy. Yan Xu, PhD
11:30 – 12:45	Lunch, Business Meeting & Poster Session
12:45 – 13:45	Moderated Poster Discussion
13:45 – 14:45	Session 4 – Problems with Preclinical Research – Models, Design, Analysis, and Interpretation
13:45 – 14:15	Selection of animal models and methods used to measure pain related responses. David J. Clark, MD, PhD
14:15 – 14:45	Statistical problems with preclinical research and how to fix them Timothy T. Houle, Ph.D. (MGH)
14:45 – 15:15	Break
15:15 – 16:15	Session 5 – Neurotoxicity at Extremes of Age
15:15 - 15:45	The use of general anesthetics and sedation drugs in young children and pregnant women. Andrew Davidson, MBBS, MD, FANZCA
15:45 - 16:15	Anesthetic neurotoxicity in the elderly. Deborah J. Culley, MD
16:15 – 16:55	Keynote Speaker & Lifetime Achievement Award Winner: Evan D. Kharasch, MD, PhD
16:55 – 17:00	Closing remarks
17:00 – 18:00	President's Reception

Planning Committee

Michael J. Avram, PhD

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Stuart A. Forman, MD, PhD

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Faculty

David J. Clack, MD, PhD

Stanford University

Stanford, CA USA

Joseph Cotton, MD, PhD

Massachusetts General

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Boston, MA USA

Deborah J. Culley, MD

Brigham and Women's

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Albert Dahan, MD, PhD

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Pittsburgh, PA USA



International Society for Anaesthetic Pharmacology
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Registration Information Enclosed



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Learning Objectives

The overall purpose of this activity is to enable the learner to:

1. Decide whether he/she needs to adjust anesthetic management to avoid persistent post-operative cognitive decline.
2. Comprehend the potential of new drug modeling technology to improve clinical drug titration.
3. Understand the mechanisms of N₂O and ketamine as modulators of depression.
4. Learn about the history of the International Society of Anesthetic Pharmacology (ISAP) and of the implementation of target controlled infusions (TCI) around the world.

Practice Gaps

- A long term outcome of anesthesia is "persistent post-operative cognitive decline." Anesthesiologists (both clinicians and academics) are in doubt whether they need to adjust their drug titration in view of these outcomes.
- Improving technology for modeling drug-concentration and effect leads to better control of the dose-effect relationship, but is insufficiently known by anesthesiologists.
- The use of nitrous oxide may negatively affect patients that are at risk for depression. Ketamine may play a role in the treatment of depression.

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 Amedco and International Society of Anesthetic Pharmacology (ISAP). Amedco is accredited by the ACCME to provide continuing medical education for physicians.

Credit Designation Statement

Amedco designates this live activity for a maximum of 6.75 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.