



International  
Society For  
Anaesthetic  
Pharmacology

# 27<sup>th</sup> Annual Meeting

2018  
Registration  
Brochure

Friday, October 12th, 2018  
San Francisco Marriott Marquis  
San Francisco, CA

# 27<sup>th</sup> Annual Meeting Agenda

07:00 – 08:00 **Breakfast & Registration**

08:00 – 08:10 **Welcome**  
ISAP President, David Drover, MD

08:10 – 08:15 **Introduction to the Program**  
Stuart Forman, MD, PhD and Donald Mathews, MD

08:15 – 9:00 **Session 1 – Anesthesiologists and the Opioid Epidemic**

08:15 – 08:35 **Opioid Epidemic Emerged and Strategies to Reverse Recent Trends**  
Jane C. Ballantyne, MD, FRCA

08:35 – 08:55 **Opioid-Sparing Anesthetic Strategies for Enhanced Recovery After Surgery**  
T. Anthony Anderson, MD, PhD

09:00 – 09:30 **Break**

09:30 – 10:30 **Session 2 – Can Perioperative Anesthesia Care Reduce Post-Operative Opioid Use?**

09:30 – 10:00 **Molecular Approaches to Reducing Opioid Tolerance**  
Howard B. Gutstein, MD

10:00 – 10:30 **The Correlation of Perioperative Anesthesia Approaches with Long-Term Post-Op Opioid Use**  
Brian T. Bateman, MD, MSc

10:30 – 11:30 **Session 3 – Improving Anesthesia With Better Monitors**

10:30 – 11:00 **New Uses for EEG Monitoring**  
Olewaseun Johnson-Akeju, MD, MMSc

11:00 – 11:30 **Machine Learning for PK/PD Modeling**  
Steven Shafer, MD

11:30 – 12:45 **Lunch, Business Meeting & Poster Session**

12:45 – 13:45 **Moderated Poster Discussion**

13:45 – 14:45 **Session 4 – New Approaches in Anesthetic Pharmacodynamics and Pharmacokinetics**

13:45 – 14:15 **Zebrafish for High-Throughput Screening and Pharmacodynamic Profiling of Novel Sedative-Hypnotic Compounds**  
Stuart Forman, MD, PhD

14:15 – 14:45 **Analgesia Monitors**  
Donald Mathews, MD

14:45 – 15:15 **Break**

15:15 – 16:15 **Session 5 – New Drug Targets in Perioperative Medicine**

15:15 – 15:45 **Potential of Volatile Anesthetics in Organ Transplantation**  
Gertrude Nieuwenhuijs-Moeke, MD

15:45 – 16:15 **Brain Derived Neurotrophic Factor Polymorphisms are Associated with Chronic Postsurgical Pain, Suggesting Potential Drug Targets**  
Tony Gin, FANZCA, FRCA, MD

16:15 – 16:55 **Keynote Speaker & Lifetime Achievement Award Winner:**  
Michael Avram, PhD

16:55 – 17:00 **Closing Remarks**

17:00 – 18:00 **President's Reception**

**Planning Committee**  
Stuart Forman, MD, PhD  
Massachusetts General Hospital  
Boston, MA USA

Donald Mathews, MD  
University of Vermont  
College of Medicine  
Burlington, VT USA

**Faculty**  
T. Anthony Anderson, MD, PhD  
Stanford University  
School of Medicine  
Stanford, CA USA

Michael Avram, PhD  
Northwestern University  
Feinberg School of Medicine  
Chicago, IL USA

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Donald Mathews, MD  
University of Vermont  
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Burlington, VT USA

Gertrude Nieuwenhuijs-Moeke, MD  
University of Groningen  
University Medical Centre  
Groningen, The Netherlands

Steven Shafer, MD  
Stanford University  
San Francisco, CA USA



# Registration Form

**ONLINE REGISTRATION:** [www.isaponline.org](http://www.isaponline.org) Online registration accepted until October 5, 2018. After October 5, 2018, you may register onsite.

## MAIL OR FAX REGISTRATION FORM

This is how your name will appear on your name badge. \* Required for CME Credits

\*First Name:  \*Last Name:

\*Suffix (Jr., Sr., Etc.):

\*Company/Institutional Affiliation:

\*Specialty:  \*Please State Your Highest Degree(s):

\*Address:

\*City:  \*State/Province:

\*Zip:  \*Country:

Work: (    )    -     Fax: (    )

\*Email Address:

Special Needs: ☐ Hearing Impaired ☐ Sight Impaired

☐ Other:

☐ Dietary (Please Specify)

## REGISTRATION FEES

(Includes scientific sessions, syllabus, continental breakfast, lunch and reception)

☐ ISAP Member Registration ..... \$160

☐ New ISAP Member ..... \$260  
(Includes Meeting Registration + \$100 Membership Dues)

☐ ISAP Non-Member Registration ..... \$295

☐ ISAP Resident Registration ..... \$0

PAYMENT MUST ACCOMPANY REGISTRATION. TOTAL DUE:

## METHOD OF PAYMENT

The following methods of payment are acceptable for the registration fee:

1. Check: Make payable to ISAP. There is a \$25.00 returned check fee.

☐ Check Included

☐ Check to Arrive Under Separate Cover

2. Credit Card Payments: ☐ Visa ☐ MasterCard ☐ Discover ☐ AMEX

NAME ON CARD:

No.                 Sec. Code

Exp. Date   /

Signature:

## PAPER REGISTRATIONS BY FAX OR MAIL

(SEE CONTACT INFORMATION BELOW)

If you are unable to register online please mail your paper registration form.

## ONSITE REGISTRATIONS

Online registration accepted until October 5, 2018. After October 5, 2018, you may register onsite.

## REGISTRATION CANCELLATION

All cancellations must be in writing and sent to us via U.S. mail, e-mail or fax. Cancellations postmarked or date stamped before October 5, 2018 will be completely refunded with an administrative fee of \$25.00. NO REFUNDS WILL BE MADE AFTER OCTOBER 5, 2018.

## FOR ADDITIONAL INFORMATION, CONTACT:

International Society for  
Anaesthetic Pharmacology  
6737 W Washington St  
Suite 4210  
Milwaukee, Wisconsin 53214  
[isaphq@isaponline.org](mailto:isaphq@isaponline.org)  
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**PLEASE NOTE:** Registration is not complete until you receive the confirmation letter/email for your pre-registration. If you do not receive this confirmation within 5-7 days of registration, please contact us at 414-755-6296.

It is recommended to bring your confirmation of registration with you to the conference.

## REGISTRATION FEE INCLUDES:

- Continuing Medical Education credits
- Registration and course materials
- Continental breakfast, lunch, reception and syllabus

## MEETING LOCATION

San Francisco Marriott Marquis  
780 Mission St  
San Francisco, CA 94103  
Phone: 415-896-1600



International Society for Anaesthetic Pharmacology  
6737 W Washington St  
Suite 4210  
Milwaukee, WI 53214

## Registration Information Enclosed



# 27<sup>TH</sup> Annual Meeting

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## Learning Objectives

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

- Understand the role of anesthesiologists in the opioid epidemic, and how to prevent long-term opioid use after surgery.
- Hear about experimental monitoring strategies and their potential to improve perioperative care.
- Comprehend how artificial intelligence can improve complex pharmacologic modeling.
- Understand how zebrafish can accelerate anesthetic drug discovery.

## Practice Gaps

- Opioid use disorder has been identified as a national epidemic. Anesthesiologists' perioperative management may influence long-term opioid use by patients.
- Reducing the health and societal consequences of opioid use requires identification of effective alternative approaches to pain management.
- Anesthetic and opioid toxicity must be minimized through improved intra-operative monitoring.
- Improved peri-operative outcomes may be achieved through discovery of novel general anesthetic drugs.
- Better pharmacokinetic and pharmacodynamic modeling is needed to improve the administration of intravenous drugs during general anesthesia.

## Satisfactory Completion

Learners must complete an evaluation form to receive a certificate of completion. Your chosen sessions must be attended in their entirety. Partial credit of individual sessions is not available. If you are seeking continuing education credit for a specialty not listed below, it is your responsibility to contact your licensing/certification board to determine course eligibility for your licensing/certification requirement.

## Physicians

In support of improving patient care, this activity has been planned and implemented by Amedco LLC and the International Society of Anaesthetic Pharmacology. Amedco LLC is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.



## Credit Designation Statement

Amedco LLC 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.