

2019 ACMT SATELLITE SESSION

New Frontiers in Medical Toxicology: Pharmacogenomics and Precision Medicine



Precision and genomic medicine refers to the use of genetic or molecular profiling to optimize efficiency or therapeutic benefit for particular groups of patients.

Thursday, April 11, 2019

Westin St. Francis
San Francisco, CA



ACMT | American College
of Medical Toxicology

Advancing the Toxicologic Care of Patients and Populations

MEETING DETAILS

This event takes place at:

Westin St. Francis
335 Powell Street ▪ San Francisco, CA 94102

A special group rate is available for conference attendees at \$295/night. The group rate will be available until March 20, 2019 or until space runs out. Visit acmt.net to make a reservation.

Live streaming and/or webinar will not be available.

TARGET AUDIENCE

Physicians, toxicologists, pharmacogeneticists, pharmacists, clinical pharmacologists, nurses, clinical lab scientists, clinical geneticists, clinical laboratory geneticists and genetic counselors.

CONTINUING MEDICAL EDUCATION (CME)

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 the University of Alabama School of Medicine and the American College of Medical Toxicology. The University of Alabama School of Medicine is accredited by the ACCME to provide continuing medical education for physicians. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Continuing Medical Education (CME) is pending for this activity. It is expected that the University of Alabama School of Medicine will designate this live activity for: 6.25 AMA PRA Category 1 credit(s)[™]

REGISTRATION FEES

Early Bird Rates

ACMT Member	\$225
Non-Member	\$300
Non-Member Govt. & Military Personnel	\$225
Fellow-in-Training	\$175
Resident	\$175
Medical Student	\$150
Specialist in Poison Information (SPI)	\$175
Continuing Medical Education	\$75

* Early Bird Rates expire on February 1, 2019.

Regular Rates

ACMT Member	\$275
Non-Member	\$350
Non-Member Govt. & Military Personnel	\$275
Fellow-in-Training	\$225
Resident	\$225
Medical Student	\$200
Specialist in Poison Information (SPI)	\$225
Continuing Medical Education	\$75

Register online at acmt.net

Questions? Email: info@acmt.net

ABOUT ACMT

Founded in 1993, the American College of Medical Toxicology (ACMT), is a professional, nonprofit association of physicians with recognized expertise and board certification in medical toxicology. Our members specialize in the prevention, evaluation, treatment, and monitoring of injury and illness from exposures to drugs and chemicals, as well as biological and radiological agents. Medical Toxicologists practice in clinical, academic, governmental, and public health settings, and provide poison control center leadership.

American College of Medical Toxicology
10645 N. Tatum Blvd., Suite 200-111 ▪ Phoenix, AZ 85028
acmt.net

New Frontiers in Medical Toxicology: Pharmacogenomics and Precision Medicine



Precision and genomic medicine refers to the use of genetic or molecular profiling to optimize efficiency or therapeutic benefit for particular groups of patients.

Although in some form, “precision medicine” has been a part of healthcare for many years, its role in day-to-day healthcare is expanding and evolving into exciting frontiers.

The Precision Medicine Initiative, supported by the NIH, includes investments in this emerging field of medicine that customizes healthcare based on clinical and genetic characteristics in order to improve outcomes. A major focus of NIH research is through the Pharmacogenomics Research Network which has already led to significant clinical impact through deeper understanding of genetic polymorphisms of CYP 450 and other genes responsible for drug metabolism, transport and elimination. These genetic differences explain why some patients respond favorably while others fail to respond to treatments or have life threatening adverse reactions.

This new frontier in medicine could have dramatic impact on the role of Medical Toxicologists who are poised to provide expertise in the realm of pharmacogenomics. A Medical Toxicologist’s ability to understand and interpret results of pharmacogenomics testing offers an innovative practice model that would solidify our role in the rapidly evolving field of precision and genomic medicine.

This conference is designed to provide attendees with the crucial scientific knowledge and current clinical implications of pharmacogenomics so that they can build and implement this innovative field of medicine into their current practice.

7:45-8:00 am	Welcome & Opening Remarks Ayrn O’Connor, MD, FACMT, FAAEM, Director, Medical Toxicology Fellowship, University of Arizona College of Medicine Phoenix Banner—University Medical Center Phoenix Meghan Beth Spyres, MD, Assistant Professor Of Clinical Emergency Medicine, Keck School of Medicine, University of Southern California	11:30-12:00 pm	Pediatric Pharmacogenomics: A New Frontier Speaker TBA
8:00-8:50 am	Human Genome Project: Pharmacogenomics and DNA Teri Manolio MD, PhD, Director Division of Genomic Medicine NIH National Human Genome Research Institute	12:00-1:15 pm	Lunch
8:50-9:35 am	Genetic Variations Impact on Drug Response: Current Trends and Research Russ B. Altman MD, PhD, Professor of Bioengineering, Genetics, Medicine, and Biomedical Data Science, Stanford University; Director, Biomedical Informatics Training Program	1:15 - 1:45 pm	Laboratory Analysis & Methodology: What the Clinician Needs to Know Shaun R. Opie, PhD, Co-founder & CSO, Vantari Genetics
9:35-10:05 am	Precision Medicine and Databases: PharmGKB Teri Klein PhD, Professor of Biomedical Data Science and Medicine, Stanford University	1:45-2:15 pm	PGX: Challenges of Clinical Implementation Kelly Caudle, PharmD, PhD, Department of Pharmaceutical Sciences, St. Jude’s Children’s Research Hospital
10:05-10:15 am	Break	2:15-2:45 pm	Pharmacogenomics of Cardiovascular Drugs: CYP 2C19 Will Heise, MD, Assistant Professor, Division of Clinical Data Analytics and Decision Support, Department of Medical Toxicology, University of Arizona College of Medicine Phoenix Banner—University Medical Center Phoenix
10:15-10:45 am	Pharmacogenomics of Analgesics: CYP 2D6 Andrew Monte, MD, PhD Associate Professor Emergency Medicine and Medical Toxicology University of Colorado Den	2:45-3:00 pm	Break
10:45-11:30 am	Pharmacogenomics of Anticonvulsants: HLA & CYP2C9 Steven Curry, MD, Professor of Emergency Medicine, Internal Medicine and Biomedical Informatics	3:00-4:00 pm	Panel Discussion: How to Start a Clinical PGx Service

Agenda subject to change. refer to acmt.net for most up-to-date schedule.