



# NORTH AMERICAN CONGRESS OF CLINICAL TOXICOLOGY

**SEPTEMBER 14 - 18, 2022**

**HYATT REGENCY SAN FRANCISCO**



**SEPTEMBER 14**

**ACMT Pre-Symposium:**  
Mending a Broken Heart:  
Cardiovascular Challenges  
in Toxicology

**SEPTEMBER 15**

**AACT Pre-Symposium:**  
My Favorite Murder...by poison

**SEPTEMBER 16 - 18**

**Main Congress**

**Sponsored By:**



**SPECIALTY  
PHARMACEUTICALS**

*Johnson & Johnson*  
CONSUMER HEALTH



**With Content Provided By:**

American Academy of Clinical Toxicology • American Association of Poison Control Centers  
American Board of Applied Toxicology • Asia Pacific Association of Medical Toxicology  
Canadian Association of Poison Centres & Clinical Toxicology • European Associations of Poison  
Centers and Clinical Toxicologists • Middle East North Africa Clinical Toxicology Association  
Society of Toxicology • American College of Medical Toxicology

**Organized by the American Academy of Clinical Toxicology**



# NACCT 2022 SCHEDULE AT A GLANCE

Wednesday, September 14, 2022

START	END	SESSION TITLE	MD	PharmD Credit	RN Credit	CHES Credit
8:30 AM	4:30 PM	ACMT Pre-Symposium: "Mending a Broken Heart: Cardiovascular Challenges in Toxicology"	6.5	6.5	6.5	0

Thursday, September 15, 2022

START	END	SESSION TITLE	MD	PharmD Credit	RN Credit	CHES Credit
8:30 AM	4:30 PM	AACT Pre-Symposium: "My Favorite Murder...by poison"	6.5	6.5	6.5	0
5:00 PM	7:00 PM	ACMT 23rd Annual Clinical Pathological Case (CPC) Presentation Competition	2	2	2	0

Friday, September 16, 2022

START	END	SESSION TITLE	MD	PharmD Credit	RN Credit	CHES Credit
8:30 AM	9:30 AM	Keynote Presentation: The Perils and Possibilities of Scorpions	1	1	1	0
10:30 AM	11:30 AM	MENATOX Scientific Symposium	1	1	1	0
10:30 AM	11:30 AM	PEC: Engaging Older Adults	0.5	0.5	0.5	0.5
10:30 AM	12:30 PM	Platforms Session Abstract #1-8	2	2	2	0
11:00 AM	11:30 AM	PEC: Getting Involved in Poison Center Research	0.5	0.5	0.5	0.5
11:30 AM	12:30 PM	CDC- AAPCC Poison Data Visualization Using NPDS Tools	1	1	1	0
11:30 AM	12:30 PM	PEC: Social Media Challenges: Understanding Teens' Digital Environment	1	1	1	1
1:30 PM	2:00 PM	Lightning Oral Presentation #1	0.5	0.5	0.5	0
1:30 PM	2:30 PM	ABAT Scientific Symposium: What's the buzz? Medications for substance use disorder and the evolving landscape of withdrawal	1	1	1	0
1:30 PM	2:30 PM	AAPCC SPI Committee SWAP and SHARE: Poison Control Center, Health Care Facility Referral Guidelines: Differences Among Poison Centers	1	1	1	0
1:30 PM	2:00 PM	PEC: Using Poison Data	0.5	0.5	0.5	0.5
2:00 PM	3:00 PM	ACMT Fellow-In-Training Lecture: Board Certification in Addiction Medicine vs Practicing Addiction Medicine	1	1	0	0
2:00 PM	3:00 PM	EAPCCT Scientific Symposium	1	1	1	0
2:30 PM	3:30 PM	AAPCC APAP Guideline	1	1	1	0
3:00 PM	3:30 PM	Lightning Oral Presentation #2	0.5	0.5	0.5	0
3:00 PM	3:30 PM	PEC: AAPCC Updates	0.5	0.5	0.5	0.5
3:30 PM	4:00 PM	PEC: HRSA Updates	0.5	0.5	0.5	0.5
3:45 PM	4:45 PM	AACT Diversity Equity & Inclusion Special Interest Symposium - Where We Are & Where We Are Going-Diversity Equity & Inclusion in Toxicology	1	1	1	0
3:45 PM	5:00 PM	AAPCC Quiz Bowl*	0	0	0	0
4:00 PM	4:30 PM	PEC: Utilizing Volunteers for Education	0.5	0.5	0.5	0.5
4:30 PM	5:30 PM	AACT Herbs & Dietary Supplements Section Symposium: The History of U.S. Food, Herb, and Dietary Supplement Safety and Regulation	1	1	1	0



# NACCT 2022 SCHEDULE AT A GLANCE

Saturday, September 17, 2022

START	END	SESSION TITLE	MD	PharmD Credit	RN Credit	CHES Credit
8:00 AM	9:00 AM	AACT Career Achievement Lecture	1	1	1	0
9:00 AM	10:00 AM	AACT Scientific Symposium: A Case-Based Look at Toxicologic Mimics	1	1	1	0
9:00 AM	10:00 AM	AAPCC SPI Committee: Clinical Practice Increased Cannabinoid exposures in Pediatric populations	1	1	1	0
9:00 AM	10:00 AM	AACT Radiation Interest Section Special Symposium: Havana Syndrome, Pulsed Radiofrequency Energy, and Anomalous Health Incidents	1	1	1	0
9:00 AM	10:00 AM	PEC: Swap and Share	1	1	1	1
10:00 AM	11:00 AM	ACMT Practice Symposium: Harm Reduction in Toxicology Practice	1	1	1	0
10:00 AM	11:00 AM	AAPCC Scientific Symposium: Extracorporeal Membrane Oxygenation for the Poisoned Patient	1	1	1	0
10:00 AM	11:00 AM	PEC: Digital Marketing	1	1	1	1
12:00 PM	1:00 PM	ACMT Fellows-in Training Roundtable: Grants big and small - How to fund your studies if you are a fellow or a junior faculty member	1	1	0	0
1:00 PM	2:00 PM	Platform Session #2/Abstracts #9-12	1	1	1	0
1:00 PM	2:00 PM	AACT Pediatric Special Interest Section Symposium: Tots and Teens - how to approach our most common pediatric patients	1	1	1	0
1:00 PM	2:00 PM	PEC: Multimedia Learning and Online Education	1	1	1	1
2:00 PM	3:00 PM	ACMT Scientific Symposium: The Science of Psychedelics	1	1	1	0
2:00 PM	3:00 PM	AACT Forensic Interest Section: Forensic Toxicology as a Means to Promote Global Peace and Accountability: History, International Organizations, and an Overview of Analytical Techniques Used in the Forensic Analysis of Chemical Incidents.	1	1	1	0
2:00 PM	3:00 PM	AAPCC: The History of Nicotine	1	1	1	1
3:15 PM	4:15 PM	CAPCCT (Canadian Association of Poison Centres & Clinical Toxicology) Scientific Symposium: Acetaminophen Again... The Canadian Approach	1	1	1	0
3:15 PM	4:15 PM	AAPCC Veterinary Symposium: Veterinary Toxicology and One Health--Diagnosis, Prevention and Discovery	1	1	1	0
4:15 PM	5:15 PM	Fellows-in-Training Research Platform	1	1	1	0
4:15 PM	5:15 PM	AACT Radiation Special Interest Section Symposium: 1) Radiation Injury Treatment Network (RITN): Preparing Medical Specialists for a Radiological Mass Casualty Incident Since 2006; 2) Internal Contamination and Management - a Novel Exposure to Co-57	1	1	1	0
4:15 PM	5:15 PM	AAPCC SPI Committee: SPI Roundtable	1	1	1	0



# NACCT 2022 SCHEDULE AT A GLANCE

Sunday, September 18, 2022

START	END	SESSION TITLE	MD	PharmD Credit	RN Credit	CHES Credit
7:30 AM	9:00 AM	AACT Acute/Intensive Care Symposium	1.5	1.5	1.5	0
7:30 AM	8:30 AM	SOT Scientific Symposium: Transforming Safety Biomarker Development and Translation through Predictive Safety Testing, Big Data, and Artificial Intelligence	1	1	1	0
7:30 AM	8:30 AM	SPI Best Practice "Alternatives to Telephone Communication: Two Poison Centers' experience managing exposures via text and chat applications"	1	1	1	0
8:30 AM	9:30 AM	AACT Special Section: "Quick! Silver oozing from the wound!" – Mercury toxicity from a wound contaminated with mercury requiring chelation and surgical excision: Practical considerations, multidisciplinary collaboration, and lessons learned	1	1	1	0
8:30 AM	9:30 AM	PEC: Collaborative Programs Reaching Underserved Communities	1	1	1	1
9:00 AM	10:00 AM	AACT Envenomations Special Interest Symposium: Venomics and Antivenomics and Their Role in Treating Envenomations	1	1	1	0
9:30 AM	10:00 AM	Lightning Oral Presentation #3	0.5	0.5	0.5	0
9:30 AM	11:00 AM	PEC: Community Partnerships That Work	1.5	1.5	1.5	1.5
10:00 AM	11:00 AM	Platforms III/Abstracts # 13-16	1	1	1	0
10:00 AM	11:00 PM	APAMT Scientific Symposium: Cellular Toxins	1	1	1	0

The AACT reserves the right to adjust the maximum number of hours available pending changes in the program schedule. NOTE: Shaded areas indicate concurrent sessions.

AACT = American Academy of Clinical Toxicology

ABAT = American Board of Applied Toxicology

APAMT = Asia Pacific Association of Medical Toxicology

CAPCCT = Canadian Association of Poison Control Centres and Clinical Toxicology

PEC = Public Education Committee

SPI = Specialist in Poison Information

AAPCC = American Association of Poison Control Centers

ACMT = American College of Medical Toxicology

CAPCC = Canadian Association of Poison Control Centres

EAPCCT = European Association of Poison Centres and Clinical Toxicologists

SOT = Society of Toxicology

\* Non-CME sessions



JOINTLY ACCREDITED PROVIDER™  
INTERPROFESSIONAL CONTINUING EDUCATION

## Accreditation Statement

In support of improving patient care, this activity has been planned and implemented by Amedco LLC and American Academy of Clinical Toxicology. 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.

## Nurses (ANCC) Credit Designation

Amedco LLC designates this activity for a maximum of 35.00 ANCC contact hours.

## Physicians (ACCME) Credit Designation

Amedco LLC designates this live activity for a maximum of 35.00 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

## Pharmacists and Pharmacy Technicians (ACPE) Credit Designation

Amedco LLC designates this activity for a maximum of 35.00 knowledge-based CPE contact hours.

**NOTE to Pharmacists:** The only official Statement of Credit is the one you pull from CPE Monitor. You must request your certificate within 30 days of your participation in the activity to meet the deadline for submission to CPE Monitor.

13.5 CHES hours will be available for educators





# THE PERILS AND POSSIBILITIES OF SCORPIONS



**FRIDAY, SEPTEMBER 16 – 8:30AM**

## **KEYNOTE SPEAKER: DR. LAUREN ESPOSITO**

**Both feared and admired, scorpions are notorious animals around the world. Yet, in the 21st Century, we are in the midst of a renaissance of scorpion biology research—in the past 100 years our understanding of scorpion biodiversity at the species level has increased by an entire order of magnitude. We will explore how new technology is advancing our understanding of scorpion evolution and ecology, what we know about their venoms, and how much there is left to unravel.**

Dr. Lauren Esposito is the Curator and Schlinger Chair of Arachnology at the California Academy of Sciences. Lauren's current research investigates the patterns and processes of evolution in spiders, scorpions, with a focus on tropical islands. Originally from the US-Mexico borderlands, she completed her undergraduate degree at the University of Texas at El Paso, and went on to obtain an MS and PhD from the American Museum of Natural History in collaboration with the City University of New York. Lauren is the co-founder/director of a science, education, and conservation non-profit called Islands & Seas, and the founder of 500 Queer Scientists, a visibility campaign for LGBTQ+ people working in STEM careers.

# ACMT Pre-Symposium

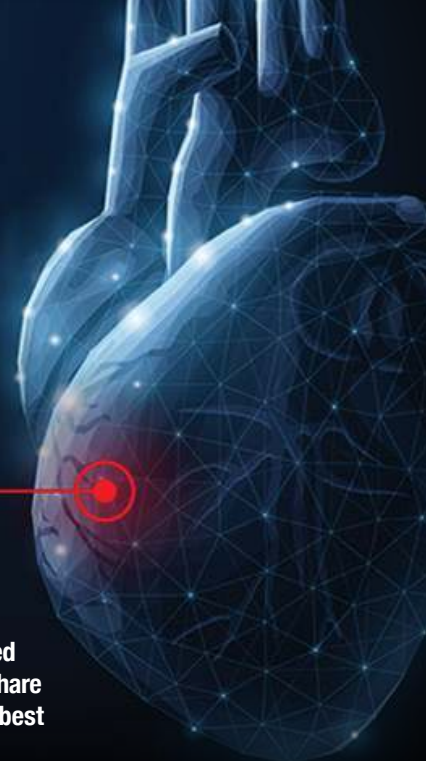
## Mending a Broken Heart: Cardiovascular Challenges in Toxicology

September 14, 2022

Do you struggle with managing patients in the age of ever-evolving clinical “dogma?” Join us for this one-day ACMT symposium, with leading experts who will get to the HEART of the matter: Huffing, Electrical conduction disturbances, Antidotal therapy, Refractory shock, Troponin’s role in diagnosis--and much more! We’ll explore historical and current controversies as well as the latest research relevant to toxicology. Lectures will be interspersed with heart-stopping debates and case-oriented expert panel discussions. The faculty for this exciting program will share their clinical and research-based expertise and perspective. Register now to keep your finger on the pulse of best practices in cardiovascular toxicology!

After participating in this program, learners will be able to:

1. Describe the cardiovascular toxicity of plant sodium channel openers.
2. Discuss therapeutic controversies in the use of sodium bicarbonate as an antidote.
3. Identify the role of high-sensitivity troponin as a biomarker of cardiac toxicity.
4. Assess the evidence-based merits of adjunctive therapies in the setting of toxin-mediated vasodilatory shock.



# AACT Pre-Symposium

## MY FAVORITE MURDER... BY POISON

September 15, 2022

True crime lay person analysis has taken the world by storm through podcasts, blog posts, and online discussions. Although murder by poison is not the most common way to kill someone, to a group of toxicologists it can be the most fascinating. In this day of educational content, we will explore homicidal poisonings and hopefully you will gain a little insight on how to not get murdered by poison.

Upon completion of this activity participants will be able to:

1. Discuss lethal poisonings, their mechanisms of toxicity, and their management.
2. Analyze crime scenes in homicidal poisonings.
3. Determine exposure scenarios that increase the likelihood of poisoning as the means of murder.



Join the conversation **#NACCT2022**



# Public Education Council Track

September 16-18, 2022



September 16, 2022  
11:30 AM - 12:30 PM

## Social Media Challenges: Understanding Teens' Digital Environment



This session will introduce a litany of recent toxic “challenges” primarily affecting youth and then dive deep into the new hazards (and positive potential) of the new and rapidly evolving digital environment. An expert from Common Sense Media will share insights into the behavior of teens and tweens, their mental health, and how to make a difference in keeping this population safe.

September 17, 2022  
1:00 PM - 2:00 PM

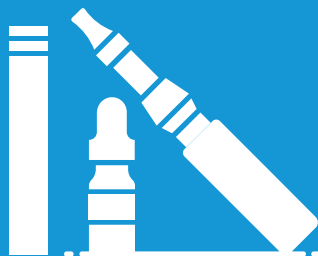
## Multimedia Learning & Online Education



In this session, we will introduce the basic principles of effective multimedia learning and the current uses of e-learning in poison centers. We'll then highlight an award-winning online curriculum from Discovery Learning and DEA containing memorable and relatable content on the prevention of opioid abuse. Finally, we'll discuss potential opportunities for expanding the use of multimedia and online education for poison prevention.

September 17, 2022  
2:00 PM - 3:00 PM

## The History of Nicotine



Nicotine has a long history of use in the United States and throughout the world. Where did it all start? Where are we headed now? Tobaccos addictive nature was recognized early on but it was not until the early 1800's when nicotine was first identified that the true influence of nicotine would become known. This session aims to educate participants on the history of nicotine, health effects, new trends and marketing associated with nicotine products today.

September 18, 2022  
9:30 AM - 11:00 AM

## Community Partnerships That Work



Building effective community partnerships allow agencies and community members to join together to address a common problem. Building these partnerships help communities recognize poison centers as subject matter experts and a resource for poison emergencies. This session will feature a panel of poison center educators who will discuss poison center partnerships with local community organizations.



**NORTH AMERICAN  
CONGRESS OF  
CLINICAL TOXICOLOGY**



*Join the conversation* **#NACCT2022**

## **SEPTEMBER 14 - 18, 2022**

### **NACCT 2022 REGISTRATION FEES**

**Early Bird In-Person Attendee**  
on or before 7/15/2022

**Advance In-Person Attendee**  
7/16/2022 – 9/13/2022

**Onsite Live Attendee**  
9/14/2022

General	\$900	\$1,000	\$1,150
AAPCC/AACT/ABAT	\$600	\$680	\$825
ACMT/EAPCCT/CAPCCT/APAMT	\$850	\$940	\$1,090
SPIs/Educators	\$425	\$475	\$500
Fellows-In-Training	\$425	\$475	\$500
Active Duty Military Personnel	\$425	\$475	\$500
Residents	\$350	\$400	\$450
Students	\$350	\$400	\$450
One day general registration	\$350	\$400	\$435
Two day general registration	\$550	\$600	\$635
Press pass / per day	\$150	\$150	\$150
ACMT Pre-Meeting Continuing Education	\$90	\$90	\$90
AACT Pre-Meeting Continuing Education	\$90	\$90	\$90
Main Congress Continuing Education	\$250	\$250	\$250
One day Continuing Education	\$125	\$125	\$125
Two day Continuing Education	\$225	\$225	\$225

#### **ACMT Pre Symposium (September 14)**

General Registration	\$345
ACMT Members	\$250
AACT/ABAT/EAPCCT/CAPCCT/APAMT Members	\$300
AAPCC Members	\$300
Fellows-In-Training	\$225
SPIs/Educators	\$225
Active Duty Military Personnel	\$225
Residents/Students	\$225

#### **AACT Pre Symposium (September 15)**

General Registration	\$345
AACT Members	\$250
ACMT/ABAT/EAPCCT/CAPCCT/APAMT Members	\$300
AAPCC Members	\$300
Fellows-In-Training	\$225
SPIs/Educators	\$225
Active Duty Military Personnel	\$225
Residents/Students	\$225





## ONLINE REGISTRATION AVAILABLE

VISIT THE AMERICAN ACADEMY OF CLINICAL TOXICOLOGY WEBSITE: [WWW.CLINTOX.ORG/NACCT](http://WWW.CLINTOX.ORG/NACCT)

# NACCT 2022 REGISTRATION FORM

Mail this form with full payment (U.S. Funds) or email with credit card info:

**NACCT, Attn: Registrar, 10408 Clinton Ave • Silver Spring, MD 20902 | [nacctinfo@meetingpriorities.com](mailto:nacctinfo@meetingpriorities.com)**

**MEMBERSHIP STATUS:** Please check all that apply. Registration fees based on Membership and Position/Function

- ☐ AACT    ☐ AAPCC    ☐ ABAT    ☐ ACMT    ☐ APAMT    ☐ CAPCCT    ☐ EAPCCT  
☐ EDUCATOR    ☐ OTHER \_\_\_\_\_    ☐ NONE

### DEGREE:

- |                                       |  |
|---------------------------------------|--|
| <input type="checkbox"/> BS Pharm/RPh | <input type="checkbox"/> Medical Director                  |
| <input type="checkbox"/> DVM          | <input type="checkbox"/> Managing Director                 |
| <input type="checkbox"/> MD           | <input type="checkbox"/> Medical Toxicologist              |
| <input type="checkbox"/> DO           | <input type="checkbox"/> Clinical Toxicologist             |
| <input type="checkbox"/> PA           | <input type="checkbox"/> Physician                         |
| <input type="checkbox"/> ARNP         | <input type="checkbox"/> Fellow/Resident                   |
| <input type="checkbox"/> PharmD       | <input type="checkbox"/> Student                           |
| <input type="checkbox"/> PhD          | <input type="checkbox"/> SPI/CSPI                          |
| <input type="checkbox"/> RN# _____    | <input type="checkbox"/> Poison Center Educator            |
| <input type="checkbox"/> Other _____  | <input type="checkbox"/> Poison Information Provider (PIP) |
|                                       | <input type="checkbox"/> Other _____                       |

### PLEASE PRINT CLEARLY:

First /Last Name: \_\_\_\_\_

Gender Pronouns: \_\_\_\_\_

Place of Employment: \_\_\_\_\_

Street Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Email: \_\_\_\_\_

This email address is used for confirmation, receipt, access to presentation slides prior to conference, access to your Certificate of Attendance and Virtual Platform. Please print clearly and provide your best email address to prevent email correspondence from being filtered or blocked.

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City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Daytime Phone: \_\_\_\_\_

### REGISTER ME FOR:

- ☐ ACMT Pre-Meeting Symposium (9/14)  
☐ ACMT Pre-Meeting CE  
☐ AACT Pre-Meeting Symposium (9/15)  
☐ AACT Pre-Meeting CE  
☐ NACCT Main Congress (9/16 - 9/18)  
☐ NACCT Main Congress CE  
☐ 1 Day Main Congress  
 (Specify Day) \_\_\_\_\_  
☐ 2 Day Main Congress  
 (Specify Days) \_\_\_\_\_  
☐ CHES Credit (Currently a Certified Health Education Specialist or Master Certified Health Education Specialist)  
 CHES# \_\_\_\_\_  
☐ By checking this box I certify that I am currently enrolled in an active toxicology training fellowship program, resident training program, or medical, pharmacy, or nursing school.

### PAYMENT SUMMARY:

Early Fee Postmark Deadline on or before 7/15/2022

Registration fees based on Membership and Position/Job Function

ACMT Pre-Meeting Symposium (9/14) \$ \_\_\_\_\_

ACMT Pre-Meeting CE \$ \_\_\_\_\_

AACT Pre-Meeting Symposium (9/15) \$ \_\_\_\_\_

AACT Pre-Meeting CE \$ \_\_\_\_\_

NACCT Main Congress \$ \_\_\_\_\_

NACCT Main Congress CE \$ \_\_\_\_\_

Main Congress Day 1\_\_ Day 2\_\_ Day 3\_\_ \$ \_\_\_\_\_

Main Congress CE Day 1\_\_ Day 2\_\_ Day 3\_\_ \$ \_\_\_\_\_

Opening Reception Guest Fee (9/16) \$ \_\_\_\_\_

#: \_\_\_\_\_ (\$75.00 / guest)

Guest Name: \_\_\_\_\_

(Main Congress Registration fee includes opening reception)

**TOTAL PAYMENT ENCLOSED** \$ \_\_\_\_\_

☐ Check/Money Order Payable to NACCT (U.S. Funds)

☐ Visa    ☐ MasterCard    ☐ AMEX

Credit Card #: \_\_\_\_\_

Cardholder's Name: \_\_\_\_\_

Billing Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Exp. Date: \_\_\_\_\_ CVV#: \_\_\_\_\_

Email: \_\_\_\_\_ Phone: \_\_\_\_\_