North American Congress of Clinical Toxicology

Hyatt Regency Chicago

151 E. Wacker Dr, Chicago • October 25-29, 2018

Sponsored By:
- American Academy of Clinical Toxicology
- American Association of Poison Control Centers

With Content Provided By:
- American Academy of Clinical Toxicology
- American Association of Poison Control Centers
- American Board of Applied Toxicology
- American College of Medical Toxicology
- Canadian Association of Poison Control Centres
- European Association of Poisons Centres and Clinical Toxicologists
- Asia Pacific Association of Medical Toxicology
- Society of Toxicology

Organized By The American Academy of Clinical Toxicology
The North American Congress of Clinical Toxicology (NACCT) is the largest clinical toxicology meeting in the world. This event provides ongoing education in clinical toxicology for more than 700 of the world’s leading clinicians, scientists, poison center staff, and executives. Attendees include clinicians and research scientists from poison centers, industry, academia, and regulatory agencies.

ACMT Pre-Meeting Symposium, October 25, 2018
Session organizers: Jerrold Leikin, MD • Heather Long, MD • Daniel Sessions, MD

Performance and Enhancing Agents 360
Sure, you’ve heard of doping. But what does that actually mean? Who’s using what and why? What’s the science behind it? Aren’t some things allowed so elite athletes, military special operations personnel, and high performance professionals can safely optimize their results? What do their physicians think about performance enhancement? How does drug testing impact management of underlying conditions and acute medical issues in these individuals? How does high profile use of performance enhancing agents influence the rest of us - from those with great aspirations to those just trying to get through the day? This exciting symposium will answer your questions with expert speakers from sports toxicology, sports medicine, military medicine, veterinary medicine, analytical testing, sports law, supplement development, and event planning. Join us to hear the different perspectives and learn what every toxicologist needs to know about performance and enhancing agents!

AACT Pre-Meeting Symposium, October 26, 2018
Session organizers: Jillian Theobald, MD, PhD • Kennon Heard, MD, PhD

50 years of Drug Abuse
In honor of the 50th anniversary of NACCT, this session will explore five decades of illicit drugs of abuse. Over the last 50 years, these substances have not only evolved structurally, but the supply, manufacturing and distribution have also transformed. Toxicologists continue to be challenged by outbreaks of contaminants, adulterants and novel agents that lead to severe clinical outcomes. This session will provide historical context and information relevant to today’s practicing toxicologist for the following drugs of abuse: LSD, sedative hypnotics, marijuana, cocaine, inhalants, amphetamines, catinones, MDMA, synthetic cannabinoids, novel psychoactives, natural products of abuse, and opioids. We will also have a representative from the DEA discussing how drug trafficking has transformed in the last 50 years.

Main Congress, October 27-29, 2018

2018 NACCT Objectives

1. Develop an approach to the use of non-pharmacologic management of addiction.
2. Review the pathophysiology and treatment of allergic contact dermatitis.
3. Develop an approach for the use of modern technology such as non-invasive mechanical ventilation, high-flow nasal cannulae, and extracorporeal membrane oxygenation to treat organ failure in the poisoned patient.
4. Understand the pharmacology of Mitragynia species (Kratom) and the clinical symptoms produced by its intoxicating effects.
5. Review the potential adverse health effects from carbon air releases and the relationship of potential biomarkers and health effects in cabin fume fever.
6. Review the most up-to-date data on the effects of ionizing radiation on children and fetuses, and develop an approach for risk communication in potentially affected patients.
7. Develop a working knowledge of the critical components to starting an expert consulting business in toxicology.
8. Identify high-risk cases where poisoning was used in the maltreatment of children.
9. Learn the government regulations that have shaped the previous 50 years of poison centers, and how government will play a role in poison centers in the future.
10. Compare and contrast the signs, symptoms, and treatment in vitamin D poisoning in humans and different animal species.
11. Discuss the history of bioterrorism in the United States.
12. Review important peer-reviewed articles for the practice of medical toxicology from journals not typically read by toxicologists.
13. Review the contribution of the Grassy Narrows paper mill incident to the understanding of environmental mercury poisoning.
14. Explore the relationship between health policy, public health, and cannabis use in an era of rampant state legalization of recreational marijuana.
15. Learn kinetic principles that underpin both risk assessment and treatment duration.

Conference Highlights:

• ECMO & other advanced techniques for treating organ failure from poisoning
• The evidence for herbal alternatives, including kratom and ibogaine, for opioid dependency
• Toxicology in child maltreatment
• 50 years of AACT and NACCT
• The latest on bioterrorism
• Exposure dermatitis: comprehensive testing & counseling
• Presentations from AACT Sections
• Sessions for Fellows-in-Training and Specialists in Poison Information and much more
ACMT Pre-Meeting Symposium, October 25, 2018

Objectives

- Discuss the scope of performance enhancing agent use by elite athletes, military, and high performance professionals.
- Identify specific agents and how they impact performance.
- Understand the perspective of the elite about performance enhancing agents.
- Explain the importance of research on nutrition and supplements for human performance.
- Describe the analytical processes of detection of performance enhancing agents and interpretation of results medically and legally.
- Review the options for medical management of underlying conditions and acute issues in elite athletes, military, and high performance professionals.
- Discuss performance enhancement in international equestrian competition and how it compares with and influences human performance issues.
- Explore consideration of performance enhancement agent use in planning for large event and organization management.
- Recognize how the use of performance enhancing agents by elite athletes, military, and high performance professionals influences the general population.
- Understand the unique risks and adverse effects of performance enhancing agent use in the general population.

AACT Pre-Meeting Symposium, October 26, 2018

Objectives

- Discuss the emergence and effects of hallucinogens such as LSD, MDMA and NBOme.
- Summarize both cannabinoid and synthetic cannabinoid use throughout history, in the context of decriminalization and the detrimental clinical effects of chronic use.
- Identify novel synthetic psychoactives such deschloroketamine and describe their clinical effects.
- Relate the progression of inhalant abuse over the last 5 decades.
- Understand the scope of natural compound abuse.
- Assess how drug trafficking has changed with the advent of online purchasing and the dark web.
- Explore the history and toxicity of pharmaceuticals such as cocaine, amphetamines and opioids.
- Recognize the contribution of illicit drug adulterants to poisoning epidemics.
- Discuss the abuse of sedative hypnotics.

Chicago Prohibition Era Gangland Tour

October 29 • 4:00pm - 6:30pm • $40.00ppl

Author and historian John J. Binder leads this in-depth tour of Chicago’s Prohibition and related crime history. Visit notorious sites related to Al Capone, his North Side gang rivals, other bootlegging mobs, and John Dillinger, including where gang hits such as the infamous St. Valentine’s Day Massacre took place. Binder is the author of Al Capone’s Beer Wars and The Chicago Outfit and has served as a historical consultant on various television documentaries and to the Vegas Mob Museum. Limited to the first 42ppl

“In Organized Crime in Chicago During Prohibition.” The presentation covers the history of organized crime in the Windy City, with emphasis on the products that the mobsters provided, some of which were rather toxic, and their lethal world.
Train With The Best

Premier Clinical Training for Healthcare Professionals
Oct. 30–Nov. 1, 2018  Post-Conference AHLS Provider/Instructor Course
Register at www.ahls.org • For questions, please contact ahlsinfo@aemrc.arizona.edu

KEYNOTE SPEAKER: John J. Binder
October 27, 8:30am - 9:30am

John J. Binder (PhD, University of Chicago, 1983) has been researching organized crime in Chicago for more than 25 years. He is the author of two books on the subject, including Al Capone’s Beer Wars: A Complete History of Organized Crime in Chicago during Prohibition (Prometheus Books, 2017), and various academic journal articles. He has appeared in interviews on and served as an expert consultant for some three dozen documentaries on the mob that appeared on the A & E and AMC cable networks and on the Discovery Channel and the History Channel and/or were shown outside the United States. John has worked with the Chicago History Museum on crime history and serves as a consultant to the Vegas Mob Museum. He is currently associate professor emeritus of finance in the College of Business Administration at the University of Illinois at Chicago, where he has also served as an associate dean and as associate vice chancellor for academic affairs.
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<td>ACMT Fellows in Training Roundtable: The Role of Medico-Legal Consulting in Your Medical Toxicology Career</td>
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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
AAPPCC = American Association of Poison Control Centers
ACMT = American College of Medical Toxicology
EAPCCT = European Association of Poisons Centres and Clinical Toxicologists
PEC = Public Education Committee
SPI = Specialist in Poison Information

* Non-CME sessions
# CONTINUING EDUCATION SESSIONS

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<tr>
<td>12:30 PM - 1:30 PM</td>
<td>Platform Session III</td>
<td>0225-9999-18-240-L04-P</td>
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<tr>
<td>12:30 PM - 2:00 PM</td>
<td>AACT Pediatric Special Interest Section/ACMT Pediatric Section: Child Maltreatment &amp; Toxicology</td>
<td>0225-9999-18-241-L04-P</td>
<td>1.5</td>
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<tr>
<td>12:30 PM - 2:00 PM</td>
<td>PEC: Marijuana: Public Health, Health Policy and Law</td>
<td>0225-9999-18-242-L04-P</td>
<td>1.5</td>
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<tr>
<td>1:30 PM - 2:30 PM</td>
<td>ACMT Visiting Professor's Lecture: Pursuing A Research Career As A Medical Toxicology Fellow: The Good, The Bad And The Ugly</td>
<td>0225-9999-18-243-L04-P</td>
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<tr>
<td>1:30 PM - 2:30 PM</td>
<td>Response to Synthetic Cannabinoids and LAARs in Illinois</td>
<td>0225-9999-18-244-L04-P</td>
<td>1</td>
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<tr>
<td>2:00 PM - 3:00 PM</td>
<td>AACT Tox History Section: Chicago Tox History</td>
<td>0225-9999-18-245-L04-P</td>
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<tr>
<td>2:45 PM - 3:45 PM</td>
<td>AACT Sports Section: 50 years of Performance Enhancing Drugs</td>
<td>0225-9999-18-246-L04-P</td>
<td>1</td>
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<tr>
<td>2:45 PM - 3:45 PM</td>
<td>PEC Online Tools for Health Information (Helpline Chat &amp; Text Tools, Online Training and Education for both the general public &amp; healthcare professionals)</td>
<td>0225-9999-18-247-L04-P</td>
<td>1</td>
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</tbody>
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## CONTINUING EDUCATION CREDIT

Accreditation Statement - This activity has been planned and implemented in accordance with the accreditation requirements and polices of the Accreditation Council for Continuing Education (ACCME) through the joint providership of American Academy of Clinical Toxicology (AACT), the American Association of Poison Control Centers (AAPCC) and the American College of Medical Toxicology (ACMT). AACT is accredited by the ACCME to provide continuing medical education for physicians.

Credit Designation Statement - American Academy of Clinical Toxicology (AACT) designates this live activity for a maximum of 34.5 AMA PRA Category 1 Credit(s)™. Physicians should claim only credit commensurate with the extent of their participation in the activity.

Pharmacists - The American Academy of Clinical Toxicology (AACT) is accredited by the Accreditation Council for Pharmacy Education as a provider of continuing pharmacy education. Successful completion of this program qualifies for up to 34.5 contact hours. UANs: 0225-9999-18-201-L04-P through 0225-9999-18-253-L04-P. Each pharmacist should claim only those hours of credit that he/she actually spent in the educational activity.

Application for nursing credits has been submitted to the California Board of Nursing. Credit hours are preliminary and subject to final approval. 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.

**ACPE = American Academy of Clinical Toxicology**

**AAPCC = American Association of Poison Control Centers**

**ACMT = American College of Medical Toxicology**

**APAMT = Asia Pacific Association of Medical Toxicology**

**EAPCCT = European Association of Poisons Centres and Clinical Toxicologists**

**PEC = Public Education Committee**

*Non-CME sessions*
<table>
<thead>
<tr>
<th>Opioid Crisis: Misperceptions and Evidence Based Solutions</th>
<th>Health Literacy</th>
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<tbody>
<tr>
<td>The opioid crisis is widespread and affects almost every community. Misperceptions are numerous when it comes to this epidemic. This session will include a panel of experts from the Chicago area that will myth bust these misperceptions; myths that are reinforced via the media, government and policy makers. Discussions on the importance of advocacy and policy will be examined and evidence-based solutions and prevention strategies will be highlighted.</td>
<td>Health literacy is emerging as a leading issue affecting US consumers’ health. This presentation will introduce best practice guidelines for improved health communications among low literacy populations. Join us to learn from a local expert from Northwestern University's Health Literacy and Learning Program to gain a better understanding of health literacy to promote behavior change.</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Marijuana: Public Health, Health Policy and Law</th>
<th>Health Information Seeking in the Digital Age</th>
</tr>
</thead>
<tbody>
<tr>
<td>We are at the forefront of a movement and industry that is still not well understood. What are the potential benefits of medical marijuana? Can cannabis be an alternative to opioids and help to overcome addiction and side effects of other drugs? What policy decisions will need to be changed for legalized recreational use? How best to communicate accurate health messages? A panel of experts from the Chicago area will address this controversial substance and provide insight via current and emerging research, case reports and real-world experience. This presentation will examine the relationship between health policy, public health and law regarding the use of cannabis. This session will also explore effective public health messaging on substance abuse prevention.</td>
<td>It's no news that we live in a digital age, but does that mean traditional media sources are becoming obsolete? Social media sites have also become an important source of online health information. Research shows that even though the internet is an easily available source of health information there are still many people who prefer to use traditional media, family, friends or healthcare professionals as their primary source of health information. This session will discuss the best ways to share health information with various audiences, with the focus on parents and adolescents. The Director from Northwestern University's Center on Media &amp; Human Development will be leading this discussion.</td>
</tr>
</tbody>
</table>
RESERVATIONS

Click Here to reserve your room at the Hyatt Regency Chicago or call 888.421.1442 and inform the representative that you are attending NACCT. Request a confirmation number and written confirmation of your reservation. Reservations must include first night’s deposit.

RATES

$259.00 USD

Single or Double Occupancy

Rates are per room and subject to prevailing taxes and fees. Rates available from October 24-31, 2018.

REGISTRATION INFORMATION

<table>
<thead>
<tr>
<th>EARLY BIRD ON/BEFORE 9/20/18</th>
<th>ADVANCE 9/21/18 - 10/24/18</th>
<th>ON SITE 10/25/18</th>
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</thead>
<tbody>
<tr>
<td><strong>General Registration</strong></td>
<td><strong>ACMT/EAPCCT/CAPCC</strong></td>
<td><strong>AAPCC</strong></td>
</tr>
<tr>
<td>900 USD</td>
<td>1000 USD</td>
<td>1150 USD</td>
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<tr>
<td>850 USD</td>
<td>940 USD</td>
<td>1090 USD</td>
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<tr>
<td><strong>AACT/AAPCC</strong></td>
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<tr>
<td>600 USD</td>
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<td>680 USD</td>
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<tr>
<td>850 USD</td>
<td></td>
<td>940 USD</td>
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<tr>
<td><strong>SPIs/Educators</strong></td>
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<tr>
<td>425 USD</td>
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<td>475 USD</td>
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<tr>
<td>Fellows-in-Training*</td>
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<td>475 USD</td>
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<tr>
<td>Active Duty Military Personnel**</td>
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<td>475 USD</td>
</tr>
<tr>
<td>Residents/Students</td>
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<td>400 USD</td>
</tr>
<tr>
<td>Guest (Opening Reception)</td>
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<td>60 USD</td>
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<tr>
<td>CE Credit</td>
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<td>200 USD</td>
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<tr>
<td>50th Anniversary</td>
<td></td>
<td>40 USD</td>
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<tr>
<td>House for Blues Dinner &amp; Live Music</td>
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<td>40 USD</td>
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<tr>
<td>Chicago Prohibition Era Crime Tour</td>
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<td>40 USD</td>
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</table>

Registration Fees • Affiliated Programs

- ACMT Pre-Meeting Symposium • 10/25/18
- General Registration: 345 USD
- AACT: 250 USD
- AAPT/CAPCC: 300 USD
- AAPCC: 300 USD
- Fellows-in-Training: 225 USD
- SPIs/Educators: 225 USD
- Active Duty Military Personnel**: 225 USD
- Residents/Students: 225 USD
- CE Processing Fee: 80 USD

ACMT Pre-Meeting Symposium • 10/26/18

- General Registration: 345 USD
- AACT: 250 USD
- AAPT/CAPCC: 300 USD
- AAPCC: 300 USD
- Fellows-in-Training: 225 USD
- SPIs/Educators: 225 USD
- Active Duty Military Personnel**: 225 USD
- Residents/Students: 225 USD
- CE Processing Fee: 80 USD

TO REGISTER

ONLINE: Go to www.clintox.org
FAX: 925-828-1950, Purchase Order, Visa, MasterCard or American Express only.
MAIL: NACCT Attn: Registrar • 3478 Buskirk, Ave, Suite 1000 Pleasant Hill, CA 94523
Check payable to NACCT
PHONE: Contemporary Forums Conference Management, 925-361-4813, Monday-Friday, 8am - 5pm (Pacific Time)
ACCESS NUMBERS FOR INTERNATIONAL REGISTRANTS:
PHONE: 925-361-4813 • Fax 925-828-1950

CONTINUING EDUCATION

This program was designed in accordance with the Accreditation Council for Pharmacy Education Quality Criteria and the Essential Areas and Policies of the Accreditation Council for Continuing Medical Education.

Application has been made to the National Commission for Health Education Credentialing, Inc. (NCHEC).

Over 34.5 hours of continuing education will be available for physicians, pharmacists and nurses, as well as approximately 13 CHES hours for educators.

Registration must include full payment in US Funds to be processed. A $30 fee is charged for any returned check or declined credit card.

Purchase Orders: Purchase Orders must be received with registration by the conference date and include the P.O. number, invoice address, billed, approval signature, and contact name, e-mail address, phone number.

Confirmation of registration will be sent via email.

Cancellations received after September 20, 2018 will be assessed a $150 processing fee.

Spouses and significant others may not attend the Opening Reception unless the Guest fee has been paid. If you have a disability requiring an auxiliary aid or special service while attending this meeting, please call 925-361-4813, no later than October 8, 2018.
Known as a “city of neighborhoods”, Chicago has 77 diverse communities bursting with their own distinctive vibe, culture, attractions, and cuisine.

International visitors appreciate the city’s distinct art, history, and languages. Chicago has one of the largest Chinatown neighborhoods in the country. Andersonville has a bustling commercial area with a strong Swedish and LGBTQ presence. Lincoln Square and Ravenswood offer German flair with old-fashioned shops and hip restaurants while Pilsen houses Mexican-American culture in the form of vibrant street murals, art galleries, and authentic eateries.

Chicago’s 26 miles of uninterrupted lakefront is nestled against undoubtably one of the most magnificent skylines. Along Lake Michigan are 15 miles of sandy beaches and an 18-mile stretch of bike trails where cyclists, boaters, sunbathers, and volleyball players abound. Meeting attendees can take advantage of the city’s sprawling spaces by picking up an iconic baby-blue Divvy rental bike from one of hundreds of stations around the city.

Millennium Park, located in the Chicago Loop, is home to Cloud Gate (affectionately known as The Bean), which is the city’s number 1 attraction. In addition, Millennium Park is also home to an unparalleled public art and architecture collection. Throughout the year, locals and visitors will gather to concerts, exhibitions, and tours.

Additionally, Chicago has hundreds of beautifully maintained parks like Grant Park downtown or Lincoln Park to the north.

Viewing Chicago via boat is a can’t-miss activity. Host an intimate and entertaining outing on one of Chicago’s many available architecture tours by boat. Vessels depart from the river docks beneath Michigan Avenue, on the Chicago Riverwalk, and from Navy Pier.

When you visit Chicago, no matter where you are from or where you go, you’ll feel at home.
ONLINE REGISTRATION AVAILABLE
Visit the American Academy of Clinical Toxicology website: www.clintox.org

NACCT 2018 Registration Form

MEMBERSHIP STATUS Please check all that apply
Registration fees based on Membership and Position/Function
☐ AACT  ☐ AAPCC  ☐ ACMT  ☐ CAPCC  ☐ EAPCCT
☐ EDUCATOR  ☐ OTHER_____________  ☐ NONE

DEGREE
☐ BS Pharm/RPh  ☐ Medical Director
☐ DVM  ☐ Managing Director
☐ MD  ☐ Medical Toxicologist
☐ DO  ☐ Clinical Toxicologist
☐ PA  ☐ Physician
☐ ARNP  ☐ Fellow/Resident
☐ PharmD  ☐ Student
☐ PhD  ☐ SPI/CSPI
☐ RN # _____________  ☐ Poison Center Educator
☐ Other: ____________  ☐ Poison Information Provider (PIP)
☐ Other: ____________

REGISTER ME FOR
☐ ACMT Pre-Meeting Symposium 10/25
☐ ACMT Pre-Meeting CE
☐ ACMT Pre-Meeting Symposium 10/26
☐ AACT Pre-Meeting CE
☐ AACT Pre-Meeting Symposium 10/29
☐ NACCT Main Congress 10/27 – 10/29
☐ NACCT Main Congress CE
☐ AACT Reception 10/26
☐ AACT Members’ Reception and FAACT Induction Ceremony
☐ 50th Anniversary House of Blues Dinner and Live Music 10/28
Please note: 50th Anniversary House of Blues Dinner and Live Music is only available for main congress attendees and their guests. Each dinner attendee must purchase a ticket. Attendees must be 21 years of age or older.
☐ 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.

PLEASE PRINT CLEARLY
First Name: ________________________________
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 Online CE Library. Please print clearly and provide your best email address to prevent email correspondence from being filtered or blocked.
Mailing Address: ________________________________
City: _____________ State: ________ Zip: _____________

Daytime Phone: ________________________________

PAYMENT SUMMARY
Early Fee Postmark Deadline on or before 9/20/2018
Registration fees based on Membership and Position/Job Function
ACMT Pre-Meeting Symposium (10/25)  $________
ACMT Pre-Meeting CE  $________
AACT Pre-Meeting Symposium (10/26)  $________
AACT Pre-Meeting CE  $________
NACCT Main Congress (10/27-10/29)  $________
NACCT Main Congress CE  $________
Opening Reception Guest Fee (10/27)  $60.00 per guest, #: ____________________________  $________
Guest Name: ________________________________
Guest Name: ________________________________
Guest Name: ________________________________
50th Anniversary House of Blues Dinner and Live Music (10/28)  $40.00 per guest, #_____ of tickets  $________
(If purchasing ticket for yourself, your name is not required in the Guest name field)
Guest Name: ________________________________
Guest Name: ________________________________
Guest Name: ________________________________
Chicago Prohibition Crime tour (10/29)  $40.00 per guest, #_____ of tickets  $________
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#: __________________
Payer Email Address: ________________________________
Payer Phone #: ________________________________