



## WELCOME TO THE 2016 WINTER ABAT NEWSLETTER

- WITH ALL YOUR LATEST NEWS

### President's Note:



The ABAT board has been working hard as usual. As we continue to contemplate the future retirement of some of our most valued ABAT members, I find myself with mixed feelings. First, jealousy as I don't see myself retiring anytime in the near future!! Second a feeling of nervousness as I wonder how can we possibly exist without them? However, after having the privilege of serving as ABAT president and being able to meet our newest passing ABAT's, I am truly encouraged. They are young, smart, and hard working. They are also dedicated to ABAT and have been eager to become involved in ABAT committees and projects.

Your ABAT board of directors continues to take on big projects such as Life Long Learning, putting education at the forefront (with webinars and learning opportunities), re-assessing our credentialing process, and taking on difficult discussions as to how we can attract new qualified individuals to ABAT. Our board of directors has also spent much time working with AACT updating our website, putting together a wonderful symposium at the national meeting, and of course, writing the ABAT exam, which would challenge any of our best candidates on a good day.

Of all the duties of ABAT President, I have to say, meeting each of our members, talking with them and getting to know them has been the best part of this job. We each come from different practices, have different ideas, but we all have a common purpose- to preserve ABAT and make this the best professional membership we can. Therefore, whenever I get frustrated at work and think "what is the point?" I look at what my fellow colleagues are doing. I am always amazed at what they are accomplishing and it humbles me to be a part of this group. When I look over this newsletter and see all the publications and presentations and awards, I can only think....."Damn girl, you better get back to work!"

## Publications:

1. Bond M, Zantec N, Henry K, **Engebretsen KM**, Thomas A, and Stellpflug S. Intravenous Fat Emulsion Does Not Significantly Alter Clotting Markers in Dabigatran-Treated Blood. Poster Presentation at the ACMT Annual Scientific Meeting, March 27-29, 2015 at Clearwater Beach, FL. Published in J of Med Toxicol, March 2015.
2. Nelson ZJ, Stellpflug SJ, and **Engebretsen KM**. What Can a Urine Drug Screening Immunoassay Really Tell Us? J Pharm Pract. 2015 Apr 27.
3. Froberg BA, Levine M, Beuhler MC, Judge BS, Moore PW, **Engebretsen KM**, Mckeown NJ, Rosenbaum CD, Young AC, and Rusyniak DE; ACMT Toxicology Investigators Consortium (ToxIC). Acute Methylenedioxypropylvalerone Toxicity. J Med Toxicol. 2015 Jun;11(2):185-94.
4. Burnett AM, Peterson BK, Stellpflug SJ, **Engebretsen KM**, Glasrud KJ, Marks J, and Frascione RJ. The association between ketamine given for prehospital chemical restraint with intubation and hospital admission. Am J Emerg Med. 2015 Jan;33(1):76-9.

## Oral Presentation:

"I think this is our best toxicology study so far. I hope you will be able to attend!"

Katzung KG, LeRoy JM, Boley SP, Stellpflug SJ, Holger JS, and **Engebretsen, KM**. Effect of Norepinephrine on Cerebral Oxygenation in a Porcine Model of Propranolol Toxicity After Maximization of High Dose Insulin (HDI) Therapy. With the following accolades:

Congratulations on behalf of the American College of Medical Toxicology! Your abstract entitled "Randomized Controlled Study Comparing High Dose Insulin (HDI) to Vasopressors or Combination Therapy in Refractory Toxin-Induced Cardiogenic Shock (TICS) ", reference 0116, and has been accepted for presentation at the 2016 Annual Scientific Meeting, Huntington Beach, CA March 17-20, 2016. As one of the top scoring abstracts, you are awarded both platform and poster presentation.

Platform Session 1

Friday, March 18, 2016 - 8:00-9:00am

Your assigned poster presentation: Friday, March 18, 2016, 8:00am-5:00pm

Your authors with posters session: Friday, March 18, 2016, 12:30-1:30pm

Our latest research (my Toxicology fellow- Jenna LeRoy as PI) just received funding on a porcine model of CV shock: Effect of Methylene Blue on Mortality in a Porcine Model of Amlodipine Toxicity. This study was funded by the Emergency Medicine Foundation Grant /EMBRs and HealthPartners Research foundation.

**Welcome to New Secretary-Treasurer:**



***Greg Wedin***

Greg Wedin came to the Board of Directors meeting in San Francisco to observe the proceedings and to learn from our outgoing Secretary Treasurer David Baker.

**Reminder from the entire ABAT Board of Directors:**

Please remember that it is your responsibility to make sure that your e-mail address is up-to-date with both ABAT *and* the AACT office. The AACT office e-mail list is used to send out election information. You also need to make sure that you can receive surveys from survey monkey or give us an alternate email address that can take survey monkey so you can vote.

**ABAT Symposium:**

Our Scientific Affairs committee (Co-Chaired by Howard McKinney and Fred Aleguas) organized the symposium entitled, "Protecting Your Liability in Practice: It's Not a Roll of the Dice". The symposium speakers were Jack Snyder, MD, PhD, JD, RAC and Allison Mueller PharmD, DABAT. The session covered some common pitfalls related to risky practices that may lead to legal action, even if there was not a bad outcome. They even discussed how and when to seek expert assistance. The real-life case examples were well received by the audience.

For the 2016 meeting in Boston, Fred and Howard studied the needs assessment and developed the symposium title "Toxicology's Mythologies". The idea is both a historical overview of the sources of much of the dogma in clinical toxicology, and a discussion of some illustrative specific examples, along with exploration of the data and methods to measure the quality of this data. They have a speaker and are meeting the deadlines for the initial paperwork.

## **ABAT Business Meeting and 7th Annual Toxicology Residents/Fellows Reception:**

On Sunday October 11, from 11:00am to 2pm, the ABAT meeting was held at the ***Perry's on the Embarcadero***. We handed out 6 new ABAT Candidate certificates at the 2015 business meeting: Sheila Goertemoeller, Rachael Gorodetsky, Dayne Laskey, Nicole Reid, Rachel Schult, and Karen Thomas. The Annual Toxicology Residents/Fellows Reception was another grand event this year due to the hard work from Bryan Hayes and Tom Kearney.

ABAT invited members and guests to attend the annual Business Meeting and ABAT Fellow's Reception. Again this year we secured an off-site location for our meeting and reception at the Perry's on the Embarcadero. We were able to step away from the meeting site and enjoy breathtaking views of San Francisco Bay from the patio while we enjoyed a light lunch and refreshments served in the restaurant's enchanting patio. It was a chance to leave the meeting hotel, walk a few blocks along the famous Embarcadero in San Francisco, to relax on the patio with ABAT colleagues and enjoy the afternoon. We are looking forward to the reception, which has grown to be one of our favorite events each year at the meeting in Boston in 2016.

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***ABAT Publications and Announcements  
(January 2015-December 2015)***

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*Other ABATs may be listed on the publication but the person who reported the publication gets the credit. Greatly appreciate those who responded to the request for information –otherwise I'd have nothing to report!-mw*

**Cynthia Morris-Kukoski:**



**Reports:**

The FBI 2015 Customer Service Award was awarded to Cynthia for her assistance to the New Orleans Field Office. Her work on a case resulted in the conviction of a serial rapist via hair DFSA analysis for benzodiazepines, zolpidem, and ketamine. Congratulations!-mw

## Natalija Farrell:



- **Farrell NM**, Wing HA, Burke PA, and Huiras P. Addition of tranexamic acid to a traumatic injury massive transfusion protocol. *Am J Health Syst Pharm* 2015;72(12):1059-64.
- Employee of the Month: November 2015
- New Position:
  - Clinical Pharmacy Specialist – Emergency Medicine
  - Rhode Island Hospital
  - Providence, RI

## Susan Gorman:



- Huang, E, Pillai S, Bower WA, Hendricks K, Guarnizo JT, Hoyle J, **Gorman SE**, Boyer AE, Quinn C, and Meaney-Delman D. Antitoxin treatment of inhalation anthrax: A systematic review. *Health Security* 2015; 13(6): 365-77.

## Henry Spiller:



- **Spiller HA**, Good TF, Spiller NE, Aleguas A. Vitamin D exposures reported to US poison Centers 2000-2014: Evaluation of temporal trends and outcomes. Human Exper Toxicol 2015, first published on October 30, 2015
- **Spiller HA**, Wiles D, Russell JL, Casavant MJ. Review of toxicity and trends in use of Tiagabine as reported to US Poison centers 2000 to 2012. Human Exper Toxicol 2015 first published on March 29, 2015
- Onders B, Casavant MJ, **Spiller HA**, Chounthirath T, Smith GA. Marijuana exposure among United States children younger than six years old. Clin Pediatr 2015 (Accepted – In press)
- Russell JL, **Spiller HA**, Baker D. Markedly Elevated Carbamazepine-10,11-epoxide Concentration in a Fatal Carbamazepine Ingestion Case Reports Med 2015 Article ID 369707 <http://dx.doi.org/10.1155/2015/369707>
- **Spiller HA**, Mowry JB, Aleguas A, Griffith JRK, Goetz R, Ryan ML, Bangh S, Klein-Schwartz W, Schaeffer S, Casavant MJ. An observational study of the factor Xa inhibitors rivaroxaban and apixaban as reported to 8 Poison Centers. Ann Emerg Med (accepted – in press)
- Spiller HA, Strauch J, Essing-Spiller SJ, Burns G. Thirteen years of Oxcarbazepine exposures reported to US Poison centers: 2000 to 2012. Human Exper Toxicol 2016 (accepted – in press)
- **Meetings:**
  - **Spiller HA**, Good TF, Aleguas A. 15 years of Vitamin D exposures reported to US poison Centers. Clin Toxicol 2015;53:242
    - Presented at European Association of Poison Centres and Clinical Toxicologists XXXV International Congress, St. Julian's, Malta, May 26-29 2015
  - Onders B, Casavant MJ, **Spiller HA**, Chounthirath T, Smith GA Marijuana Exposure Among United States Children Younger than Six Years Old.
    - Presented at Society for Advancement of Violence and Injury Research 2015, in New Orleans March 11-13, 2015
  - **Spiller HA**, Griffith JRK, Aleguas A, Ryan ML, Mowry J, Bangh SA, Klein-Schwartz W, Schaeffer S, Goetz R. Rivaroxaban and apixaban ingestions reported to 8 Poison Centers. Clin Toxicol 2015;53:681-682

- Malis EM, **Spiller HA**, Casavant MJ. Community bus-stop advertising of poison center: does it work? Evaluation of a unique marketing strategy to expand Poison Center utilization. Clin Toxicol 2015;53:733
- Kamboj AK, **Spiller HA**, Casavant MJ Chounthirath T, Smith GA. Medication errors associated with cardiovascular drugs. Clin Toxicol 2015;53:670
- Onders B, Casavant MJ, **Spiller HA**, Chounthirath T, Smith GA. Marijuana exposures among United States Children younger than six years old. Clin Toxicol 2015;53:691
- Tomasi S, Roberts KJ, Stull J, **Spiller HA**, McKenzie LB. Adult Exposures to Veterinary Pharmaceuticals (1999-2013) Clin Toxicol 2015;53:763
- Tomasi S, Roberts KJ, Stull J, **Spiller HA**, McKenzie LB. Pediatric Exposures to Veterinary Pharmaceuticals (1999-2013) Clin Toxicol 2015;53:762
- Behrman AD, Goertemoeller S, **Spiller HA**. Retrospective review of Phenibut exposures reported to Ohio poison control centers. Clin Toxicol 2015;53:272
- **Spiller HA**, Burns GD, Thornton D, Casavant MJ. N-OH-PABA, the active hydroxyl metabolite of benzocaine, can produce MetHB in control blood. Clin Toxicol 2015;53:648
  - Presented at the North American Congress of Clinical Toxicology, San Francisco CA Oct 8-12 2015
- Tomasi S, Roberts KJ, Stull J, **Spiller HA**, McKenzie LB Pediatric Exposures to Veterinary Pharmaceuticals (1999-2013)
  - Presented at 143rd American Public Health Association annual meeting and exposition, Chicago IL, Oct 31-Nov 4, 2015





In addition to all of the publications and presentations, Rick was still active with his soccer team. They did not win the tournament cup. Alas they lost the final game. Great job!-mw

## Bryan Hayes:



- Azab SM, Hirshon JM, **Hayes BD**, El-Setouhy M, Smith GS, Sakr ML, Tawfik H, Klein-Schwartz W. Epidemiology of acute poisoning in children presenting to the poisoning treatment center at Ain Shams University in Cairo, Egypt, 2009-2013. Clin Toxicol (Phila). 2016 Jan;54(1):20-6.
- Hines MC, Al-Salamah T, Heil EL, Mallemat H, Witting MD, Johnson JK, Winters ME, **Hayes BD**. Resistance Patterns of Escherichia coli in Women with Uncomplicated Urinary Tract Infection Do Not Correlate with Emergency Department Antibiogram. J Emerg Med. 2015 Dec;49(6):998-1003.

### **National Presentation:**

- A Look at Lipid Emulsion as a Rescue Agent in Toxicology.
  - 50th American Society of Health-System Pharmacists Mid-Year Clinical Meeting. New Orleans. December 2015.

## Daniel Cobaugh:



- **Cobaugh DJ.** Celebrating 50 ASHP Midyear Clinical Meetings. *Am J Health Syst Pharm.* 2015 Dec 1;72(23):2059.
- **Cobaugh DJ.** Opposing pharmacists' participation in capital punishment: The right thing to do. *Am J Health Syst Pharm.* 2015 Aug 15;72(16):1355.
- **Cobaugh DJ.** A professional imperative: developing pharmacy residents as the next generation of practice-based researchers. *Am J Health Syst Pharm.* 2015 Apr 15;72(8):615.
- **Cobaugh DJ.** Where does AJHP go next? *Am J Health Syst Pharm.* 2015 Mar 15;72(6):437.
- **Cobaugh DJ,** Miller MJ, Pham TT, Krenzelok EP. Risk of major morbidity and death in older adults with suicidal intent: a cross-sectional analysis from the National Poison Data System, 2000-2009. *J Am Geriatr Soc.* 2015 Mar;63(3):501-7.

### Presentations:

- Considerations in Publishing: Guidance and Panel Discussion with Pharmacy Journals
  - AACP & AFPC Annual Meeting, July 13, 2015

## **ABAT Committee Updates:**

### **Scientific Affairs Committee:**

***The ABAT Board would like to request suggestions for future topics for upcoming ABAT symposiums. In the past the following topics have been covered:***

1997: Drugs of Abuse

1998: Calcium Channel toxicity

1999: Bites, Stings, Plants

2000: Evidence Based Medicine

2001: Mechanisms to Clinical Effects

2002: Oximes in OP

2003: Gap between Science and Practice

2004: Ipecac

2005: Calcium antagonist OD

2006: That's not MY drug screen and cleaning up of the 21st century Love canal

2007: Voodoo in the 21st Century-RADIATION: Mechanisms, Detection, and Treatment

2008: Cutting Edge Medication Safety Update:  
Do Poison Centers and Clinical Toxicologists Have a Role?

2009: Momma Don't Take My Cytochrome Away

2010: Don't Tread on Me

2011: Drugs of Tomorrow & Challenges of Today: Synthetic Congeners

2012: Evidence Based Practice: The Treatment of Rhabdomyolysis

2013: Forensic Toxicology: Applied Quantitative and Qualitative Testing

2014: Clinically Relevant Herb-Drug Interactions: Past, Present, Future

2015: Protecting Your Liability in Practice: It's Not a Roll of the Dice

If you have any suggestions for upcoming ABAT symposiums, please contact Fred Aleguas at [aaleguas@gmail.com](mailto:aaleguas@gmail.com).

## **Certification Renewal Committee:**

Based upon revised information received, there are 18 ABAT members up for certification renewal in 2016 and include : Jess Benson, Barbara Crouch, Michele Zanter, Tom Kearney, Cynthia Morris-Kukoski, Kevin Rynn, Susan Smolinske, Christine Stork, Anna Rouse Dulaney, Fred Aleguas, Stacey Bangh, Nicole Ries, Sharon Ternullo, Ilene Anderson, Bryan Hayes, Raymond Ho, Keith McCain, and Ashely Webb. An email has been sent out to all of them already since there are some changes to the process. This upcoming year is the first time that the Life Long Learning Addendum to the form will be completed as well. Since five years of information will not be available for this addendum, it is understood that the items completed will be phased in. For example, the LLL document has the following requirements: 30 CEU's over 5 years, 4 LLSA Articles or LLSA Live sessions at NAACT within 5 years, and 2 Journal Club Webinars over the 5 years. Since the arrangement of the LLSA Articles has not been solidified as of this time, this piece will not be evaluated. The certification renewal form and the LLL addendum have been emailed to those 18 members. All forms are due by 7/1/2016. Along with this newsletter, we are sending copies of the LLL form and the certification renewal form to help prepare for the next renewal cycle. The certification renewal committee will then begin the process of evaluating the submissions. Feel free to contact Dawn Sollee if you have any questions at [sollee@poison.ufl.edu](mailto:sollee@poison.ufl.edu).

## **Announcements/Requests:**

- ✓ ABAT is looking for members who are interested in being part of the ABAT Education Committee. We are looking to form a special subcommittee of those who are interested in tackling the project of bringing awareness and education to EM Clinical Pharmacists, CSPIs, and other possible organizations. We are working towards their possible opportunity to become involved in becoming an ABAT diplomate. If you are interested, please contact Bryan Hayes at [bryanhayes13@gmail.com](mailto:bryanhayes13@gmail.com)

## **LATE BREAKING NEWS**

Jon Thompson has retired from his position as director of the Southeast Texas Poison Center. He said he was starting on his next venter: bonsai gardening. Best to Jon in his new 'career'.







Booth Volunteers in Action!!

\*\*\*\*\*Meet our newest ABAT Diplomats in the Spring Newsletter\*\*\*\*\*