Greetings DACC members! The city of brotherly love awaits us in less than 1 month! What happened to 2016? Wasn’t it just New Years? Summer has arrived in CT, and while we had a hot spell for a few days, we are now enjoying warm days and cool nights. I hope we can continue this pattern and avoid a heat wave this year.

The spring meeting is behind us now, and with the annual event in Philadelphia being “local” for a large number of east coast members, I anticipate that our DACC activities will be well attended. Plan your attendance for Monday and Tuesday August 1st and 2nd because these two dates will host the majority of DACC-specific activities: On Monday there’ll be Susan Emeigh Hart’s brown bag sessions, and on Tuesday we’ll have our division’s Executive Committee meeting, followed by our general business meeting and annual “Lunch and Learn” session, and that evening we’ll have a great time at the DACC awards presentation reception and mixer recognizing outstanding contributions to animal clinical chemistry, which will be generously hosted by Siemens Healthcare Diagnostics. The Lunch and Learn session will have 3 speakers on the topic of Immunoassay Method Selection and Validation for the Preclinical Laboratory. Please join the Executive Committee meeting as it is a good way for members to experience the leadership side of the organization – we need our members to take an active role in the division leadership.

Don’t forget that 2016 is the 40th anniversary of the DACC, and our annual button design is a celebration of that fact. Thanks to Liane Yanas and Doug Thudium for their creative design that was combined into one great button by our button review group. And thanks to Jon Kimball and Bob Emmons for their creation and generous distribution of special 40th anniversary pins to DACC members. Be sure to meet up with one of the Executive Committee members and pick up your buttons and pins to wear as you attend convention activities.
AACC’s Division of Animal Clinical Chemistry

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Nominating (Year as Chair)
Tammy Lambert (2016)
Peter Szczersba (2017)
Susan Haley (2018)
Joseph Sansone (2019)
Amy Hudak*  
*Exec Comm Rep

Membership
Volunteers Needed!

Fund Raising
Jon Kimball
Chris Perigard
Samantha Wildeboer*
*Exec Comm Rep

Awards
Jon Kimball (Chair)
Kay Criswell
Bob Emmons
Doug Neptun

Scientific Program & Long Range Planning
Amy Hudak
Susan Emeigh Hart
Doug Thudium

The Division of Animal Clinical Chemistry (DACC) welcomes all persons interested in advancing clinical laboratory science in animals by promoting and encouraging the study, exchanging knowledge, and expanding and improving the practice of clinical laboratory science in animals.

Our division provides a forum for sharing of information relevant to methods of analysis, reference intervals for different animal models, selection of appropriate species for research, and feasibility of transferring relevance of the data to human medicine. The DACC supports the development of methods to detect specific target organ effects and cellular changes associated with xenobiotic agents and/or disease processes.

The Division publishes this newsletter and sponsors regional and national meetings as a means for promoting education, research, and service. We encourage members to pursue professional interactions with AACC as well as within other professional groups. Our membership represents scientists working in interdisciplinary fields, industry, academia, and governmental laboratories.
And while we are enjoying Philadelphia, planning for our next scientific events are already starting; the Fall webinar, the Spring meeting, and next year’s Annual Meeting. Do you have a subject you are interested in? What’s your hot topic right now? Contact me with your ideas, I will be working on webinar right after the conclusion of the Annual Meeting.

An update on the open position on the Nominating Committee: This position was filled at the Spring meeting by Joseph Sansone, a retired member that has come out of retirement and renewed his participation in the division. Joe also lent a hand at the Spring meeting, serving as official photographer – check out photos on page 10 of this newsletter. So now that we have a full contingent on the Nominating Committee, we need to focus our recruitment on the position of Chair-Elect for the Fall election. Come to the Executive Committee meeting and see if leadership in the DACC is in your future.

I am looking forward to seeing all of you in a few weeks – stay cool!

Amy DACC Chair

William J. Reagan DVM, PhD, Diplomate ACVP to Receive the 2016 DACC Award for Outstanding Contributions to Animal Clinical Chemistry

The Division of Animal Clinical Chemistry (DACC) Award for Outstanding Contributions to Animal Clinical Chemistry was established in 1992 and constitutes a major milestone for our professional society. This Award is now in its 24th year of recognizing significant contributions including teaching, training, practicing and research. This award acknowledges activities and achievements of a scientist who has significantly benefited and advanced the science, as well as enhanced the public awareness and understanding of the discipline of animal clinical laboratory medicine. The DACC Executive and Award Committees proudly announce William J. Reagan DVM, PhD, and Diplomate ACVP as the 2016 recipient of this DACC Award. This recognition reflects Dr. Reagan’s extensive contributions and leadership in several areas of clinical pathology from platelet disorders, methods for preclinical hematoxicity studies, immune mediated non-regenerative anemia and myelofibrosis in female beagle dogs to the characterization and use of troponins in assessing cardiotoxicity.

Dr. Reagan has a wide diversity of valued publications in animal clinical chemistry, including: flow cytometry for immunophenotyping peripheral blood lymphocytes from cynomolgus monkeys, evaluation of biomarkers for drug-induced stress methods for preclinical hematoxicity studies, and the characterization and use of troponins in assessing cardiotoxicity, and in a continuing legacy of education in numerous workshops, symposia, and invited presentations internationally.

Dr. Reagan is presently Research Fellow and Leader of the Global Clinical Pathology Discipline Group at Pfizer, Groton, Connecticut. Prior to joining Pfizer in 2000, he was Director of Heska Veterinary Diagnostics Laboratories (1997-2000) and Research Scientist from 1996 and had enjoyed academic pursuits at Purdue University, College of Veterinary Medicine, Department of Pathobiology, as tenured Associate Professor of Clinical Pathology (1995-1996), and Assist. Professor of Clinical Pathology (1990-1995), and at Colorado State University, College of Veterinary Medicine and Biomedical Sciences, Department of Pathology, Fort Collins, Colorado as a Clinical Pathology instructor.

Dr. Reagan obtained his DVM (1982) at the Ohio State University and PhD (1989) from the Colorado State University, College of Veterinary Medicine. William J. Reagan has authored or co-authored over 85 publications including 40 peer-reviewed manuscripts, 12 books/chapters, and 35 posters. Dr. Reagan has also served as editor on the Editorial board of Veterinary Pathology, 1994-1996, and as Ad hoc peer reviewer for Veterinary Clinical Pathology, Drug Investigation, Veterinary Medicine, American Journal of Veterinary Research, and the Journal of Veterinary Internal Medicine. In the recent past Bill Reagan has served as an expert contributor on a variety of seminal preclinical consortium working groups that have helped define and set standards for research: PSTC Cardiac Hypertrophy Group, 2011 to present; ILSI/HESI Inhibin B Group, 2009 to 2013; ISLI/HESI Troponin Expert Working Group, 2004-2010 and the Troponin Biomarker Qualification Group, 2008.

Dr. Reagan has had many honors and distinctions including: ASVCP Executive Board 2001-2004, President-Elect 2002, President 2003, Past-President 2004; ACVP Recruitment and Demographic Committees, and ASVCP Membership Committee. Especially noteworthy were his Recognition Awards for Excellence in Teaching (1994 & 1995) while at Purdue University College of Veterinary Medicine. Dr. Reagan remains actively engaged in a number of major veterinary professional societies including the Society of Toxicologic Pathology (STP), American Society for Veterinary Clinical Pathology (ASVCP), the American College of Veterinary Pathologists (ACVP), the American Association for Clinical Chemistry/Division of Animal Clinical Chemistry (AACC/DACC) and the Phi Zeta National Veterinary Honor Society.

In summary, Dr. William J. Reagan’s entire career has been exemplary in his accomplishments and contributions to the practice of and education, teaching, training and advancing research in animal laboratory medicine. It is with great pleasure that the DACC Awards and Executive Committees announce Dr. William J. Reagan, DVM, PhD as the 2016 recipient for the DACC Award for Outstanding Contributions to Animal Clinical Chemistry.

Jon P. Kimball
Chair, Awards Committee AACC Division of Animal Clinical Chemistry
2016 AACC Annual Meeting in Philadelphia

Sunday – July 31

Annual Meeting Opening Mixer
Philadelphia Marriott Downtown Hotel – Grand Ballroom
Open to All Registrants. Enjoy Networking with DACC Members!
6:45pm – 8:00pm
Free Drinks!

Monday – August 1

DACC Executive Committee Meeting
Philadelphia Marriott Downtown, Room: 303, 1201 Market Street
Open to All Members! Come Join in the Planning of DACC Activities!
9:00am – 11:00am

DACC General Business Meeting and Lunch & Learn Session
Philadelphia Marriott Downtown, Room: Salon II
Generously Supported by Sysmex America, Diagnostica Stago, and GlaxoSmithKline
Please RSVP (yeses only) to: Douglas_Thudium@Merck.com
12:00pm – 2:30pm
Free Lunch!

Plenary Session - Research on Theranos’ Technologies
Elizabeth Holmes, Theranos Founder and CEO
Grand Ballroom, Pennsylvania Convention Center
4:30pm – 6:00pm

Tuesday – August 2

DACC Brown Bag Session
Session No.: 447
Susan G. Emeigh Hart, VMD, PhD, DACVP, DABT, ERT
Director, Experimental Pathology, Boehringer Ingelheim Pharmaceuticals, Inc.
“Of Mice and Men: Species Differences Relevant to Specimen Collection and Clinical Laboratory Parameters for the Laboratory Investigator”
7:30am – 8:30am and 12:30pm – 1:30pm

Plenary Session - Research on Theranos’ Technologies
Elizabeth Holmes, Theranos Founder and CEO
Grand Ballroom, Pennsylvania Convention Center
4:30pm – 6:00pm

DACC Executive Committee Meeting
Philadelphia Marriott Downtown, Room: 303, 1201 Market Street
Open to All Members! Come Join in the Planning of DACC Activities!
9:00am – 11:00am

DACC General Business Meeting and Lunch & Learn Session
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Please RSVP (yeses only) to: Douglas_Thudium@Merck.com
12:00pm – 2:30pm
Free Lunch!

Topic: “Immunoassay Method Selection and Validation for the Preclinical Laboratory”

Biomarker Assay Analytical Validation
Steven Piccoli, PhD, Research Fellow, Immunochemistry and Biomarkers
Bristol-Myers Squibb, Princeton, NJ

Case Study: Fit-for-Purpose Biomarker Validation
Thomas Philip, MS, Senior Scientist, Safety Assessment and Laboratory Resources
Merck, West Point, PA

Middleware for Biomarkers: LabThruPut
David Zelmanovic, PhD, President
LabThruPut, CEO, Monsey, NY

DACC Awards Presentation Reception and Mixer Recognizing Outstanding Contributions to Animal Clinical Chemistry
Save The Date! Venue TBD, Generously Hosted by Siemens Healthcare Diagnostics
7:00pm

Wednesday – August 3

Animal Clinical Chemistry Poster Session (see titles on page 7)
Session Title: Animal Clinical Chemistry
Session Number: 10
9:30am – 5:00pm
Animal Clinical Chemistry Poster Session

Wednesday – August 3, 2016, 9:30am – 5:00pm
Session No. 10

B-001: Mouse Models of Chronic and Chronic-Binge Ethanol-Induced Alcoholic Liver Disease: Effects of Dietary Fat
I. Kirpich, W. Feng, Y. Wang, Y. Liu, M. Miller, H. Liu, C. McClain. University of Louisville, Louisville, KY

B-002: Histopathological Changes in Some Organs of Diabetic Rats Administered Aqueous or Ethanolic Root Extract of Uvaria Chamae
F. E. Olumese¹, I. O. Onoagbe¹, G. I. Eze¹, F. O. Omoruyi².
1: University of Benin, Benin City, Nigeria, 2: Texas A&M, Corpus Christi TX

B-003: Anti-Diabetic Properties of Combined Inositol Hexakisphosphate and Inositol in Streptozotocin-Induced Type 2 Diabetes Mellitus Sprague-Dawley Rats
S. R. Foster¹, R. L. Alexander Lindo¹, L. L. Dilworth¹, J. Bustamante², F. O. Omoruyi³.
1: The University of the West Indies, Mona Campus, Kingston, Jamaica, 2: Texas A&M University, Kingsville, TX, 3: Texas A&M University, Corpus Christi, TX

B-004: Evaluation of Hematology and Flow Cytometry Parameter Stability in Non-Human Primate, Canine, and Rodent K₂EDTA Whole Blood Samples to Support Preclinical Toxicology Studies
S. Wildeboer, C. Phanthalangsy, C. Drupa, R. Giovanelli, S. Sokolowski. Pfizer, Groton, CT

B-005: Hepatic Polyunsaturated Fatty Acids and Inflammatory Response in An Animal Model of Endoplasmic Reticulum Stress
M. Aslan¹, B. Unal², F. Ozcan¹, H. Tuzcu¹, E. Kırac¹.
1: Department of Medical Biochemistry, Akdeniz University Medical Faculty, Antalya, Turkey, 2: Department of Pathology, Akdeniz University Medical Faculty, Antalya, Turkey

B-006: Evaluation of the Meso Scale Discovery Rat Skeletal Troponin I Assay in Rat and Mouse
T. Lambert, K. Lynch, N. Chau, T. Sellers. GlaxoSmithKline, King of Prussia, PA

A-048: Hyperhomocysteinemia Results from and Promotes Hepatocellular Carcinoma via CYP450 Metabolism
Donghong Zhang, W. Cui. Peking Union Medical College Hospital, Beijing, China
The DACC: It Takes a Village!

This name-collage lists everyone who has served a leadership role in shaping the DACC’s 40 year history. The font size of each name is proportional to the number of positions and incidence each held (a heat map, if you will).

Without everyone listed, the organization would not have reached its 40th birthday. In the case of the DACC the whole is greater than the sum of its parts. Our division has been a labor of love and dedication for many. It put in place a mechanism to provide scientific education and share analytical quality expectations. Just as important it provided professional networking where little or none existed before.

The job of the DACC is far from complete, so add your name to the collage and/or pump up its size!
Evolution of the DACC: *Faces to Some of Those Names*

Joseph F. Dooley and Royden N. Rand, 1974-1975
The Men with the Original Idea

Jerry Kaneko (First Recipient of DACC’s Award for Outstanding Contributions to Animal Clinical Chemistry) with Walter Loeb, 1993

Gary Conner and Joseph Dooley (First Recipient of DACC’s Award for Meritorious Contributions), 2000

Carl Moyer (right), et. al., 1978

Joe Dooley & Dick Schroer, 1978

Chris Perigard, Kurt Weingand, Doug Neptun, Diane Rhodes, Kent Gosset, Malcom York, Ron Tyler, 1994

Barbara Parzych, James Gerber, 2004

Gail Walter, (First Recipient of DACC’s Royden N. Rand Past-Chair Award), 2005
Photos from the 2016 Spring Meeting

- Biomarkers in Drug Induced Vascular Injury – Clinical and Preclinical Advancements and Clinical Biomarkers
- Multispecies Users Group Meeting, and the Meet the Speakers Reception

See More Photos from the 2016 Spring Meeting at: https://daccphotos.shutterfly.com/pictures

Thanks to DACC Photographer Joe Sansone!
The DACC Needs **YOU!**

Members Are Needed to Run for Office and or Volunteer to Serve the Division in the Following Capacities:

**Elected Office**
Candidate for Chair-Elect
Candidate for Treasurer
Candidate for Nominating Committee Member

**Volunteer Positions Available**
Membership Committee

Your Participation in OUR Division is Vital to Ensure Continued Quality of the DACC’s Business and Educational Activities

Please submit possible candidate recommendations for open positions to any member of the Nominating Committee:
Tammy Lambert, Peter Szczerba, Susan Haley, or Joe Sansone

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The position of Chair-Elect is always the most difficult to recruit candidates for to run for election. Universally, individuals who have served in the succeeding positions of Chair-Elect, Chair and Past-Chair of the DACC have agreed that it has been a great growth experience both personally and professionally. The high degree of continuing engagement in the DACC by those who have held these positions provides a pool of talent to ease the new officer into the responsibilities of the position. Most previous Chair-Elects have come into the position without previous experience at leading this type of organization, but with the help of others quickly mastered the position. Being Chair-Elect does require an extra measure of effort and time commitment from the individual over a three year period, but if you have benefited from the DACC meetings, newsletter, listserv, or personal contacts you should ask yourself:

- Is it time to give back to the organization?
- How would my scientific community be impacted if there were no DACC?

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**Top Ten Reasons to Run for Chair-Elect:**
- Work with a great group of individuals committed to the field of Animal Clinical Chemistry
- Opportunity to interact with the top leaders in the field of Clinical Chemistry
- Gain valuable contacts throughout the scientific community
- Gain experience in setting up scientific sessions in connection with Division & AACC Annual meetings
- Interact with colleagues from industry and academia to further DACC goals
- Gain a greater understanding of and visibility in your own organization as you interact with potential speakers and management
- Gain experience running an organization that encompasses individuals from many career paths
- Impact the scientific direction in the field of Animal Clinical Chemistry
- Add to the long history of scientific excellence for the DACC
- Give back to an organization that has enriched your career
Short Scripts

Congratulations to Siemens for Another Successful, Interesting, and Interactive Multispecies Users Group Meeting!

Liane Yanas & Doug Thudium: Co-Winners of the 2016 Button Design Contest

AMERICAN COLLEGE of TOXICOLOGY ANNUAL MEETING
November 6–9, 2016
Baltimore, MD

ACVP / ASVCP ANNUAL MEETING
December 3-7, 2016
New Orleans

The Membership of the DACC Extends a Huge THANK YOU to Boehringer Ingelheim, Susan Emeigh Hart, and Amy Hudak for Hosting Another Excellent Spring Meeting!

All DACC Committees Are Seeking Members to Join. Every Aspect of the DACC Depends on the Volunteerism of People Like YOU!

https://community.aacc.org/divisions/animal_clinical_chemistry