APRIL 2015 DACC NEWSLETTER
The current edition is available online at:
https://www.aacc.org/community/divisions/animal-clinical-chemistry/newsletter

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- DACC 2015 Button Design Contest

If you have feedback on the current newsletter or material of interest for future newsletters, please contact the Editor, Mike Bieraugel: mike.bieraugel@gmail.com
Greetings and happy Spring (finally)! After a particularly brutal winter here in the Northeast, the return of longer days, warmer weather and no more snow (well, less snow, anyway!) is especially welcome. Spring also marks the start of the busy season for the DACC, with the Spring Meeting coming up very soon and the AACC Annual Meeting on the horizon. With a lot of help from the members of the Executive Committee the 2015 Spring Meeting agenda has come together nicely. Special thanks are due to Rich Giovanelli, Peter Szczerba, Dave Desmond and Mike Bieraugel for topic and speaker suggestions, and particularly to Dave Adams, both for topic and speaker suggestions and for making all the magic happen at the host site (GSK, West Conshohocken, PA). Special thanks are also due to IDEXX BioResearch for their current and continued sponsorship of Spring Meeting activities. Details regarding the program, entitled, “The Clinical Pathology of Inflammation and Immunity: Biology, Assessment, and Case Studies”, can be found in this Newsletter and on the DACC website. As therapeutic approaches that modulate immune system functioning become a greater part of the treatment of diseases such as cancer, the ability to monitor immune system functioning in vivo for the purposes of determining efficacy and monitoring for potential adverse effects is becoming a regulatory agency expectation (and by extension, an increasing part of the Clinical Pathology laboratory’s role). This was one of the hottest topics at the 2015 Society of Toxicology Annual Meeting last week. Many of the presentations I attended highlighted the same topics that will be covered in detail at our upcoming Spring Meeting (and at least one of the same speakers). The theme of translational biomarkers carries over into the upcoming DACC Symposium at the 2015 AACC Annual Meeting. The symposium, “Development of Preclinical and Clinical Biomarkers”, was the outcome of a teleconference that Dave Desmond and I had last summer with several members of the AACC Program Committee where we sought advice on strengthening our symposium proposals to improve their value to the AACC membership at large… (continued on page 5)
AACC’s Division of Animal Clinical Chemistry

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Pfizer, Global Res. & Dev.
860-686-3414
samantha.wildeboer@pfizer.com

Nominating (Year as Chair)
Dirk Sprenger (2015)
Tammy Lambert (2016)
Peter Szczerba (2017)
Wendy Crodelle Dubé (2018)
Susan Emeigh Hart*  
*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
Susan Emeigh Hart1,3
David Desmond2
Amy Hudak4
Kay Criswell
Doug Thudium
Jon Kimball

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.
The Clinical Pathology of Inflammation and Immunity: Biology, Assessment and Case Studies

Effects on immune system function (either intended or unintended) can have potential adverse consequences that need to be monitored, predicted and/or avoided in the clinic. Additionally, as the pharmaceutical industry continues to evolve towards the development of biologic-based therapeutic agents, a good working knowledge of the biology of the immune system and how to assess its function is becoming essential to the clinical pathology laboratory. The purpose of the DACC 2015 Spring Meeting is to provide an overview of the biology of selected components of the innate and adaptive immune systems and their clinical laboratory assessment.

Registration: [www.AACC.org](http://www.AACC.org)

Hosted at:
GlaxoSmithKline (West Campus), Contact: David Adams, david.f.adams@gsk.com 610-270-7228
709 Swedeland Road, King of Prussia, PA. Enter on Swedeland Road (PA State Route 320) between Renaissance Blvd. and the intersection formed by Swedeland Rd, Hoistein Rd., and Jones Rd.

Lodging and Travel:
Philadelphia Marriott West, 111 Crawford Avenue, West Conshohocken PA, (610) 941-5600
[use this link to book a room at the discounted rate](http://www.AACC.org)
NOTE: Reservations required by April 1st to guarantee discounted rate ($164/night)
Nearest airport is the Philadelphia International Airport - PHL
Shuttle to hotel: Tropiano Transportation ($26 one way); reservation required
Taxi to hotel: $70 (one way -estimated)
Thursday – April 23

Siemens Multispecies Users Group Meeting
Philadelphia Marriott West, 111 Crawford Avenue, West Conshohocken, PA
Contact Lois Brisben at lois.brisben@siemens.com 847-236-7208 to RSVP
or Dave Zelmanovic at zelmanov@aol.com 845-425-9711 with ideas for presentations

DACC Executive Committee Meeting
Philadelphia Marriott West, 111 Crawford Avenue, West Conshohocken, PA
Open to All Members! Come Join in the Planning of DACC Activities!

Meet the Speakers Reception and Mixer
Philadelphia Marriott West
6:30pm – 8:30pm
Generously Sponsored by IDEXX BioResearch
Free Food & Beverages!
RSVP (Yesses Only) to Dave at david.f.adams@gsk.com no later than April 1st

Friday – April 24

Registration and Continental Breakfast
GlaxoSmithKline, Upper Merion West Campus
709 Swedeland Road, King of Prussia, PA
Host Site Contact: David Adams, david.f.adams@gsk.com, or 610-270-7228

Welcome from the DACC Chair
Susan Emeigh Hart, VMD, PhD, DACVP, DABT, ERT
DACC Chair and Symposium Moderator
Director of Experimental Pathology, Boehringer Ingelheim Pharmaceuticals, Ridgefield, CT

Introduction to Complement Biology
Christopher Horvath, Christopher Horvath, DVM, MS, DACVP
SVP, Pharmacology and Toxicology, bluebird bio, Cambridge, MA

The Measurement of Complement in Animal Studies
Ashley Frazer-Abel, PhD, D(ABMLI)
Director, Complement Laboratory, National Jewish Health, Denver, CO

<BREAK>

10:25am – 10:45am
2015 DACC Spring Meeting Program (continued…)
The Clinical Pathology of Inflammation and Immunity: Biology, Assessment, and Case Studies

Friday – April 24

Cytokines from A(ssays) to B(iology) 10:45am – 11:25am
Jacqueline Tarrant, BVSc, PhD, DACVP
Senior Scientist-Pathologist, Genentech, South San Francisco, CA

<LUNCH> 11:25am – 12:30pm

Immune-Mediated Hypersensitivity to a Biopharmaceutical: 12:30pm – 1:10pm
A Case Example from a Cynomolgus Monkey Study
Michael Thibodeau, DVM, PhD, DACVP, DABT
Principal Scientist, Experimental Pathology, Boehringer Ingelheim, Ridgefield, CT

Toll-Like Receptor (TLR) Biology and Agonist Effects: 1:10pm – 1:50pm
A Case Report
Aimee Hillegas, BS
Scientist, Immunotoxicology, GlaxoSmithKline, King of Prussia, PA

<BREAK> 1:50pm – 2:10pm

Assessment of Immunotoxicity in Nonclinical Safety Studies 2:10pm – 2:50pm
Christine Grimaldi, PhD
Senior Principal Scientist, Investigative Toxicology
Boehringer Ingelheim Pharmaceuticals Inc, Ridgefield, CT

Discussion/Closing Remarks 2:50pm – 3:00pm

Nominations NEEDED

Please HELP the Nominating Committee!
Contact Dirk Sprenger (dws.juan3@gmail.com), Chair of the Nominating Committee, to recommend candidates for, or volunteer to serve in, a DACC Office:
◆ Chair-Elect, Secretary, Treasurer, and/or Nominating Committee
He will gladly provide information regarding duties and responsibilities, and the benefits, associated with each role.
DACC Executive Committee Meeting
Monday July 27, 9:00-11:00am, Marriott Marquis

DACC General Business Meeting and Lunch & Learn Session
Monday July 27, 12:00-3:00pm, Marriott Marquis
Generously Supported by Sysmex America

DACC Awards Presentation Reception and Mixer Recognizing Outstanding Contributions to Animal Clinical Chemistry
Tuesday July 28, Evening, Venue TBD *(date and time of event subject to change)*
Generously Hosted by Siemens Healthcare Diagnostics

DACC Morning Symposium:
Development of Preclinical and Clinical Biomarkers
Wednesday, July 29, 10:30am-12:00pm, Venue TBD
This session will be co-hosted with the Industry Division and will describe the development of emerging biomarkers from both a preclinical and clinical/industry perspective.

Dr. Eric Schultze, Lilly Research Laboratories
“Development and Implementation of Biomarkers of Hypercoagulability and the Prothrombotic State in Laboratory Animals: Past, Present, and Future”
A discussion of the development and use of biomarkers to assess hemostasis that are deployed in pharmaceutical research, and address the need of the pharmaceutical industry to identify potential toxicity of new treatments being developed and how biomarkers can be used to identify issues earlier.

Dr. Luis LaSalvia, Siemens Medical Diagnostics
“Industry Perspective on Development of Companion Diagnostics”
A discussion of the development of companion diagnostics and precision medicine, and how the IVD industry works with the pharmaceutical industry to further expand the science of precision medicine.

Animal Clinical Chemistry Poster Session
Date and time: TBD
2015 Division of Animal Clinical Chemistry Award for Outstanding Contributions to Animal Clinical Chemistry

The DACC has established a Division Award which recognizes Outstanding Contributions in the field of Animal Clinical Chemistry. This Award consists of a plaque, an honorarium and a reception for the individual so honored, and is usually presented at the AACC Annual Meeting. The DACC Awards Committee would like to invite all members and friends of the DACC to nominate such an honoree.

The Award is to recognize the achievements of an individual who has made significant contributions in the field of animal clinical chemistry in its broadest sense including teaching, training, practicing and research. Activities and achievements of this person, which have significantly benefited the science and advancement of this discipline, as well as enhanced the public awareness and understanding, are also taken into consideration.

The recipient of this prestigious award will be selected from nominations submitted by an AACC member or group of members such as division, local section, committee or commission. Nominations will also be considered from non-member individuals and organizations. Please submit your nomination by letter or e-mail. The submission should consist of a statement of the nominee’s accomplishments and a current curriculum vitae and bibliography. Two seconding letters of support from colleagues detailing the candidate’s accomplishments not given in the primary letter of nomination should be included. The latter will play an important role in the Awards Committee deliberations.

Previous recipients of the DACC award were:

<table>
<thead>
<tr>
<th>Year</th>
<th>Recipient</th>
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<tbody>
<tr>
<td>1993</td>
<td>Jiro J. Kaneko, DVM, PhD</td>
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<td>1994</td>
<td>Eitan Bogin, PhD</td>
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<td>1995</td>
<td>Donald T. Forman, PhD</td>
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<td>1996</td>
<td>Robert E. Emmons, BS</td>
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<td>1997</td>
<td>Walter F. Loeb, DVM, PhD</td>
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<td>1998</td>
<td>Thomas J. Reimers, PhD</td>
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<td>1999</td>
<td>Jon P. Kimball, PhD</td>
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<td>2000</td>
<td>Dai T. Davies, PhD</td>
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<td>2001</td>
<td>Walter E. Hoffmann, DVM, PhD</td>
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<td>2002</td>
<td>John W. Harvey, DVM, PhD</td>
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<td>2003</td>
<td>Douglas A. Neptun, BS, MT/ASCP</td>
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<td>2004</td>
<td>Charles C. Capen, DVM, PhD</td>
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<td>2005</td>
<td>John H. (Tim) Lumsden, DVM, DACVP</td>
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<td>2006</td>
<td>Douglas J. Weiss, DVM, PhD, DACVP</td>
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<td>2007</td>
<td>W. Jean Dodds, DVM</td>
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<td>2008</td>
<td>N. Leigh Anderson, PhD</td>
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<td>2009</td>
<td>Kay A. Criswell, PhD, DABT</td>
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<td>2010</td>
<td>P. David Eckersall, BSc, MBA, PhD</td>
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<td>2011</td>
<td>Peter J. O’Brien, DVM, DVSc, PhD</td>
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<td>2012</td>
<td>Jean-Pierre Braun, Dr Vét, Dr Sc,</td>
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<td>2013</td>
<td>Joseph F. Dooley, PhD, DABCC, FACB</td>
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<tr>
<td>2014</td>
<td>Mary M. Christopher, DVM, PhD, ACVP</td>
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Nominations must be received no later than April 15, 2015.
Please submit completed nomination documents by email or surface mail to:
Jon P. Kimball, PhD, DACC Awards Committee
1732 Old Lystra Road, Chapel Hill, NC 27517, 919-967-4016
eMail: JonKimball@msn.com
Submit ROUGH concept design ideas to Mike.Bieraugel@gmail.com before May 1, 2015. We have an artist to render the winning concept into production ready art.
The Membership of the DACC Extends a Huge THANK YOU to its Outgoing Officers:

2012–2014’s Chair-Elect, Chair, Past-Chair
Richard P. Giovanelli, Pfizer

2014’s Nominating Committee Chair
Karen Lynch, GlaxoSmithKline

The DACC is Seeking a Volunteer to Serve as the Archivist of Our Division’s Historical Records. Every Aspect of the DACC Depends on the Volunteerism of People Like YOU!