SATURDAY, MARCH 18 •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •
4:00-7:30 PM  Registration and Help Desk open  Preservation Hall Foyer

SUNDAY, MARCH 19 •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •
7:00 AM-8:00 PM  Registration and Help Desk open  Preservation Hall Foyer
8:00 AM-4:30 PM  Beyond the Basics: Advanced Issues and Current Topics in IACUC Administration  Galerie 3
8:00 AM-5:00 PM  Essentials of IACUC Administration—Intensive  Galerie 6
8:00 AM-5:00 PM  IACUC 101™: "The Basics"  Galerie 5
4:30-6:30 PM  Pre-Conference Programs Networking Reception  Studios & Preservation Hall Foyer

MONDAY, MARCH 20 •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •
7:00 AM to 5:00 PM  Registration and Help Desk open  Preservation Hall Foyer
7:00-8:00 AM  Continental Breakfast to Welcome First-Time Attendees (pre-registration required)  Bissonet Ballroom
8:00-8:05 AM  Welcome from the IACUC17 Co-Chairs  Acadia Ballroom
8:05-8:15 AM  Presentation of the PRIM&R ARENA Legacy Award to Marcy A. Brown  Acadia Ballroom
8:15-8:30 AM  Welcome from PRIM&R’s Executive Director  Acadia Ballroom
8:30-9:15 AM  Keynote Address by Craig L. Franklin: Gut Microbiota and Reproducibility of Rodent Models of Disease  Acadia Ballroom
9:15-10:30 AM  Panel I: Virtual IACUC: This Meeting Is in Session!  Acadia Ballroom
10:30-11:00 AM  Beverage Break With the Supporters and Exhibitors  Studios & Preservation Hall Foyer
11:00 AM-12:15 PM  Didactic Sessions and Workshops Series A  See agenda for room locations
12:30-1:45 PM  Networking Lunch  Galerie 1-3
12:30-1:45 PM  Federal Demonstration Project’s Faculty Workload Survey  Bissonet Ballroom
2:00-2:45 PM  Henry Spira Memorial Lecture by William J. White: Assumptions and Certainty  Acadia Ballroom
2:45-3:00 PM  Break  Studios & Preservation Hall Foyer
3:00-4:15 PM  Didactic Sessions and Workshops Series B  See agenda for room locations
4:15-4:30 PM  Beverage Break With the Supporters and Exhibitors  Studios & Preservation Hall Foyer
4:30-5:45 PM  Didactic Sessions and Workshops Series C  See agenda for room locations
5:45-6:45 PM  Meet the IACUC17 Poster Authors  Studios Foyer
5:45-6:45 PM  Roundtable Discussions (pre-registration required)  Galerie 1
7:15-8:15 PM  Young Professionals Networking Reception  Saint Lawrence Restaurant. (See agenda for address)

TUESDAY, MARCH 21 •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •  •
7:00 AM-12:00 PM  Registration and Help Desk open  Help Desk
8:00-8:05 AM  Welcome from the IACUC17 Co-Chairs  Acadia Ballroom
8:05-8:10 AM  Membership Update  Acadia Ballroom
8:10-8:15 AM  CPIA® Update  Acadia Ballroom
8:15-9:00 AM  Keynote Address by Elaine M. Faustman: Integrating Systems Biology and Public Health to Implement The 3Rs - What Have We Learned and What Do We Need to Do?  Acadia Ballroom
9:00-10:15 AM  Panel II: Overcome the Fear: The Life-Changing Magic of Tidying Up Your Animal Care and Use Program  Acadia Ballroom
10:15-10:45 AM  Beverage Break With the Supporters and Exhibitors  Studios & Preservation Hall Foyer
10:45 AM-12:00 PM  Didactic Sessions and Workshops Series D  See agenda for room locations
12:15-1:15 PM  Networking Lunch  Galerie 1-3
12:15-1:15 PM  CPIA® Networking Lunch  Bissonet Ballroom
1:30-2:45 PM  Panel III: The 3Rs: Putting the Principles Into Practice  Acadia Ballroom
2:45-3:00 PM  Beverage Break With the Supporters and Exhibitors  Studios & Preservation Hall Foyer
3:00-4:15 PM  Didactic Sessions and Workshops Series E  See agenda for room locations

Schedule at a Glance

PRIM&R’s 2017 Institutional Animal Care and Use Committee Conference • March 19-21 • New Orleans, LA

Sponsored by:  Co-sponsored by:

Special thanks to the Edna H. Tompkins Charitable Trust and Pizer for their support of this meeting

www.primr.org/IACUC17
THANK YOU
...to our conference planning committee members, who, along with our speakers, have made this meeting possible.

CONFERENCE CO-CHAIRS
Jori K. Leszczynski, DVM, DACLAM
Director for the Office of Laboratory Animal Resources; Associate Professor of Pathology, School of Medicine, University of Colorado at Denver

Natalie L. Mays, BA, LATG, CPIA
Director, Office of the IACUC and IBC, New York University School of Medicine

PLANNING COMMITTEE MEMBERS
B. Taylor Bennett, DVM, PhD, DACLAM, DACAW
Management Consultant and Senior Scientific Advisor, National Association for Biomedical Research

John F. Bradfield, PhD, DVM, DACLAM
Senior Director and Veterinarian, AAALAC International

Natalie A. Bratcher, MS
3Rs Scientist: Alternatives Coordinator; Global Animal Welfare Coordinator; AbbVie, Inc.

Carol Clarke, DVM, DACLAM
Research Program Manager, USDA, Animal and Plant Health Inspection Service, Animal Care

Barbara A. Garibaldi, DVM, DACLAM
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Justin A. McNulty, MLAS, CPIA, RLATG
IACUC and IBC Manager, Office of Research Support, University of Texas at Austin

Mary Jo Shepherd, DVM, CPIA
Executive Director of the Office of the IACUC, Office of the Executive Vice President for Research, Columbia University

Robert S. Sikes, PhD
Professor of Biology; Director, Basic Animal Services Unit, University of Arkansas at Little Rock; President, American Society of Mammalogists

Susan Silk, MS
Director, Division of Policy and Education, Office of Laboratory Animal Welfare, NIH

Janet D. Stemwedel, PhD
Professor and Chair, Department of Philosophy; Director, Center on Ethics, Non-Scientific Member, IACUC, San Jose State University

Tanise L. Jackson, DVM, DACLAM, CPIA
Director, Animal Welfare and Research Integrity, Florida A&M University

Sally Thompson-Iritani, DVM, PhD, CPIA
Director, Office of Animal Welfare, University of Washington

connect with colleagues
through PRIM&R Regional Connections, our Mentoring Program, and online Member Directory

stay informed
with our Knowledge Center, monthly PRIM&R Member Newsletter, and bimonthly Research Ethics Digest

stretch your resources
with discounts on PRIM&R programs, scholarly journal subscriptions, Career Center postings, and CIP® and CPIA® exam fees

advance your career
with access to workload and salary survey information, continuing education credits, and participation in the PRIM&R Blog Squad

Join today!
Onsite at the Help Desk | Online at www.primr.org/membership
Common Abbreviations and Acronyms

3Rs reduction, replacement, refinement

ACLAM American College of Laboratory Animal Medicine

APHIS Animal and Plant Health Inspection Service

ARENA Applied Research Ethics National Association

AAALAC Association for Assessment and Accreditation of Laboratory Animal Care International

CPIA® Certified Professional IACUC Administrator

Guide The 8th Edition of the Guide for the Care and Use of Laboratory Animals (NRC 2011)

IACUC Institutional Animal Care and Use Committee

ICARE Interagency Collaborative Animal Research Education

IBC Institutional Biosafety Committee

NIH National Institutes of Health

OLAW Office of Laboratory Animal Welfare

PHS United States Public Health Service

PRIM&R Public Responsibility in Medicine and Research

USDA United States Department of Agriculture

VA United States Department of Veterans Affairs

Passwords

Hotel wifi: PRIMR2017
Welcome from PRIM&R’s Executive Director

Dear Friends,

Welcome to fabulous New Orleans, Louisiana and PRIM&R’s 2017 IACUC Conference! Every year, PRIM&R creates this opportunity for animal care and use professionals to exchange ideas, learn best practices, and examine the ethical considerations involved in conducting research with animals. We are proud to host an event that brings our community together to facilitate constructive and ongoing conversation on sometimes difficult topics.

As is our hallmark, we’ve assembled an array of speakers and topics to help you get the most out of your conference experience. You can read in the co-chairs welcome on the next page about the fascinating work of our three dynamic keynote speakers, Craig L. Franklin, DVM, PhD, DACLAM, William J. White, VMD, MS, DACLAM, Dip. ECLAM, and Elaine M. Faustman, PhD (you can also find their individual biographies on page 32-35).

Our mock IACUC plenary session is back by popular demand, but we’re doing something a little bit different this year. In response to attendee feedback, this session, which features a mock IACUC format and audience polling to work through timely and challenging scenarios in animal care and use, will run on the first morning of the meeting to help stimulate discussion in the breakout sessions that follow. There will be sessions covering many of the scenario topics, so if you find yourself wanting more on a particular theme, check your agenda.

Our other two panels will provide real-world strategies for dealing with the larger ideological questions faced by today’s animal care and use programs. Panel II will focus on risk aversion, its impact on a program, and tools for facilitating risk assessments that are useful for improving programs without creating additional burden.

Panel III will be a deep dive on the Three Rs, including how the original concept has evolved over time, and requirements, challenges, and opportunities for implementing the Three Rs across a range of biomedical research contexts.

The agenda also features 60 breakout sessions—from “bread and butter” sessions on foundational topics in program management, protocol review, pain management, and IACUC administration, to new and emerging topics, including how we educate our institutions and the public on the value of research with animals, behavioral management approaches when working with various animal models, compassion fatigue, guidance on publishing animal studies, the report of the AALAS-FELASA Working Group on Harm-Benefit Analysis, using data to improve animal care and use programs, strategies for reducing regulatory burden, and utilizing active learning strategies in training programs. Along the way, we’re also hosting sessions dedicated to connecting attendees with others within their specific professions and with representatives of the USDA, OLAW, VA, and AAALAC International.

Finally, we are proud to feature 27 posters for this year’s Poster Presentation program. Of note, the USDA is celebrating the 50th anniversary of the Animal Welfare Act this year and will present a poster titled, Progress Under the Animal Welfare Act (AWA) in Humane Animal Care from 1966 to the Present. In addition to the poster, they will have a booth in the exhibit area highlighting this important milestone. I hope you’ll take the time to visit USDA and our other exhibitors.

We wouldn’t be able to offer this dynamic mix without our incredibly hard-working planning committee. I offer my warmest thanks to co-chairs, Jori K. Leszczynski and Natalie L. Mays, and to their committee members: B. Taylor Bennett, John F. Bradfield, Natalie A. Bratcher, Carol Clarke, Barbara A. Garibaldi, Mindy Hollander, Tanise L. Jackson, Justin A. McNulty, Mary Jo Shepherd, Robert S. Sikes, Susan Silk, Janet D. Stemwedel, and Sally Thompson-Iritani, all of whom generously volunteered their time and expertise to craft this exceptional conference agenda.

PRIM&R would also like to thank several important partners who helped make this meeting possible: AAALAC International, NIH OLAW, USDA APHIS, the Edna Tompkins Trust, and Pfizer.

I would also like to extend my thanks to the more than 175 conference speakers and poster presenters who over the next two days will provide you the most current information, newest and best practices, and their professional expertise and wisdom, so that each of you might return to your institutions ready and able to strengthen your animal care and use programs. We appreciate their leadership and many hours of careful preparation.

Finally, thank you for being here and demonstrating your commitment to the responsible care and use of animals in research. It’s an exciting time to be involved in animal research, given advancements in research and refinement technologies and the field’s increased focus on streamlining, removing, or improving administrative processes that don’t enhance animal welfare. But it’s also a challenging time, as we face uncertainty about federal research priorities and the future of research regulation and oversight. We’re so glad to provide this forum for the community to come together and grapple with these challenges and opportunities together.

So enjoy your meeting, and if you have an idea for something you’d like to see at a future conference, please let us know by filling out your evaluation.

With best wishes,
Elisa A. Hurley, PhD
Executive Director
Welcome to New Orleans, Louisiana!

We are delighted to be working together again as co-chairs of the 2017 Institutional Animal Care and Use Committee Conference (IACUC17), and look forward to an exciting and multi-faceted event.

PRIM&R’s IACUC Conference is a collegial place where animal care and use professionals can exchange ideas, discuss best practices, and grapple with the complex ethical issues raised when research is conducted with animals. We’re confident this year’s event will challenge you to think about the issues related to your important work, provide you with concrete tools to strengthen your knowledge and skills, and afford you with ample opportunities for networking.

This year’s schedule was crafted by 15 experts (see the inside cover of this guide), who were responsible for determining content, recommending speakers, reviewing posters and session proposals, and much more. It was a vast undertaking, and we are certain those efforts have paid off in a conference that offers a wealth of information and insight, as well as practical and applied knowledge.

This year’s keynote speakers promise to inform and inspire. On March 20, Craig L. Franklin, DVM, PhD, DACLAM, professor in the Department of Veterinary Pathobiology, College of Veterinary Medicine; director of the Mutant Mouse Resource and Research Center; director of the Comparative Medicine Program; and director of the Veterinary Research Scholars Program at the University of Missouri, will talk about microbiota research—the science itself and issues for IACUCs to consider, how it translates to humans, and how it affects the animal model. Also, on March 20, William J. White, VMD, MS, DACLAM, Dip. ECLAM, this year’s Henry Spira Memorial Lecturer and the recently retired corporate vice president of Veterinary and Professional Services at Charles River Laboratories, will talk about developing and agreeing upon standards—rooted in science and addressing animal welfare concerns—for animals used in research. Finally, on March 21, Elaine M. Faustman, PhD, a professor in the Department of Environmental and Occupational Health Sciences and director of the Institute of Risk Analysis and Risk Communication at the University of Washington, will talk about how chemicals/agents affect us and our environment, what we need to do to keep safe, including issues for IACUCs to consider in reviewing this type of research, and how this research is translated into policy and regulations.

The meeting will also feature three high-level plenary sessions: a mock IACUC that will work through complex IACUC scenarios; a panel on identifying and mitigating risk in animal care and use programs; and a panel on implementation of the 3Rs. And, there will be 60 breakout sessions on topics related to IACUC administration/management, communication, program management, protocol review, field studies, and more. This year’s agenda has something for everyone and we hope you are able to create a personalized conference experience that speaks to your interests in the field and provides ample opportunity for discussion and networking.

Finally, we’re delighted to report that this year’s agenda features 11 sessions derived from PRIM&R’s Call for Conference Session Proposal Program (sessions are noted with a star icon throughout the agenda, found beginning on page 9). In addition, 27 exemplary posters were selected for inclusion in the Poster Presentation Program. Please stop by the poster gallery located in the Preservation Hall Foyer to view your colleagues’ exciting and innovative work.

We thank our community for taking the time to submit their ideas; the meeting is, without a doubt, stronger for these contributions. We rely on you for fresh ideas and perspectives and so, we encourage you to submit a session proposal and/or poster abstract for IACUC18.

The 2018 Calls for Conference Session Proposals and Poster Abstracts are open; visit www.primr.org/iacuc18 for details.

We hope you enjoy this year’s meeting and that you return to your institutions with innovative strategies and strong collegial networks that can help you enhance your research programs.

Warmly,

Jori K. Leszczynski, DVM, DACLAM
Director, Office of Laboratory Animal Resources; Associate Professor of Pathology, School of Medicine, University of Colorado at Denver

Natalie L. Mays, BA, LATG, CPIA
Director, Office of the IACUC and IBC, New York University School of Medicine; Member, PRIM&R’s Board of Directors

Welcome from the Conference Co-Chairs
Announcements

Breakfast at IACUC17
Attendees are free to enjoy breakfast on their own each morning. The hotel offers grab-and-go items at Starbucks, located in the lobby. Additionally, the hotel’s onsite restaurant, 5Fifty5, offers a buffet breakfast daily from 6:30-11:00 AM. 5Fifty5 is offering attendees a 20% discount on the breakfast buffet on March 19-21. To receive the discount, show the server your name badge. There are also many restaurants within a short walk of the hotel; you can visit the concierge desk in the lobby for more information.

Certificates of Attendance/Continuing Education Credit
A certificate of attendance for IACUC17 will be provided to attendees upon completion of the online conference evaluation. Attendees will be emailed an evaluation at the conclusion of each conference day on March 20 and 21, and the certificate of attendance will be included at the end of the evaluation on March 21. IACUC17 is eligible for up to 15.5 continuing education credit hours. Please refer to page 8 for information on certificates of attendance for pre-conference programs. Certificates of attendance can be used to obtain continuing education credits from various professional associations (please note: each association’s guidelines for acceptance of conference credit hours may differ; you should consult the appropriate association for information as to whether, and how many, credits from PRIM&R conferences may be used).

Coat and Luggage Storage
On the morning of your departure, check your luggage at the hotel bell stand and return there prior to your departure. The hotel bell stand is located next to the front entrance in the main lobby. There will be an unattended coat storage area in the Studios Foyer. PRIM&R assumes no liability for the items stored in this area.

Dietary Accommodations
If you noted a dietary restriction during registration, speak to a server and inform them of your needs before you are seated for your meal. If you did not indicate a dietary restriction during registration and wish to do so now, visit the Help Desk in the Registration Area.

First-Time Attendees
Please help us welcome first-time attendees! You’ll know who they are by the rainbow-colored ribbons attached to their name badges.

Help Us Improve
Our goal is to make each conference a positive experience for all who attend, but we can’t do it without your feedback. We want to hear your thoughts on what we did well and what we could do better. Please use the notepaper in the back of this guide to capture your thoughts while onsite, and then take a few minutes to complete the daily evaluations, which will be emailed to you at the conclusion of each conference day on March 20 and 21.

In Case of Emergency
In the event of a medical or life-threatening emergency, call 911, and then place a secondary call to the hotel’s loss prevention department at 504.553.5511 or dial 5511 from any hotel phone. The hotel’s security associates are trained and certified to respond to most medical emergencies that may arise. To reach security, call the hotel’s loss prevention department at 504.553.5511 or dial 5511 from any hotel phone.

Internet Café and Wireless Internet
Computers will be available for checking email or viewing session handouts in the Internet Café located in the Preservation Hall Foyer, or you may connect wirelessly using your own device. To access the wireless internet in the meeting space, connect to the IACUC Conference wireless network and then enter the code PRIMR2017 to connect to the internet. As a courtesy to your fellow attendees, log off the wireless internet when you are not using it, and refrain from downloading large files.

Lost and Found
For assistance with lost and found items, dial 4360 from any hotel phone or call the hotel’s loss prevention department at 504.553.5511.

“M” on Badges
The letter “M” on your badge designates your status as a member of PRIM&R. If there is no “M” on your badge and you would like to become a member, visit the Help Desk in the Registration Area.

Name Badges and Schedules
For security purposes, attendees must wear their name badge while in the PRIM&R meeting space. Instructions were sent before the meeting on how to download your personalized schedule. Please note the schedule you printed at home may not reflect the most recent agenda changes, so we recommend checking your schedule against the daily schedules available in the Registration Area.

Networking Ribbons
Are you a first-time attendee, IACUC administrator, IACUC chair, IACUC member, researcher, institutional official, or university faculty member? Networking ribbons will be available in the Registration Area, and are designed to enhance community building and to help you connect with colleagues who share similar professional experiences.

Nursing Mothers
For those requiring a quiet and private space to pump during our conference, a room has been set aside for your convenience. Please visit the Help Desk in the Registration Area to get access to this room.
Onsite Photography
A professional photographer will be onsite to capture images from this event. Photos taken at this year’s conference may be used on our website and/or for other promotional purposes. If you do not wish to have your photograph taken and used by PRIM&R, please alert the photographer. The photographer has been instructed to honor the request of anyone not wishing to be photographed.

Principles and Expectations for Participation at PRIM&R Conferences
The objective of PRIM&R’s conferences is to provide a safe and respectful environment for attendees to increase their knowledge and understanding, and confer with peers and experts in the research ethics field in a constructive way.

PRIM&R is committed to being an impartial convener within the research ethics field, which encompasses people with a range of differing opinions. PRIM&R values freedom of expression, constructive and respectful dialogue, and spirited discussion, as they are essential to finding common ground and advancing the goal of responsible, ethical conduct of research with human subjects and animals.

To preserve the objectives and integrity of its conferences, PRIM&R will not tolerate the disruption of sessions that result in:

• The inability for the learning objectives of sessions to be met
• The inability for dialogue, discussion, debate, learning, and/or networking to take place
• Harassment, badgering, or verbal threats
• The use or threat of physical force by any individual or group of individuals against another
• Destruction of property

In the interest of promoting learning for all participants, keep questions and comments brief and on-point to the session topic, identify yourself when you speak, and be mindful of others who wish to participate in the discussion.

Sessions
To keep the conference running on time, please familiarize yourself with the location of the sessions you plan to attend, so you can arrive promptly at the session’s start time. Maps are included on pages 48-50 of this guide, and our staff is ready to help with directions. Also, it’s important you attend the sessions for which you pre-registered, as space is limited. Please refer to the agenda in this guide for more information on session locations.

Shipping, Fax, and Photocopy Services
There is a FedEx Office Business Center located in the lobby of the hotel that is happy to assist with shipping, fax, and copying needs. FedEx Office Business Center is open Monday through Friday from 7:00 AM to 7:00 PM, and Saturday through Sunday from 10:00 AM to 6:00 PM. They can be reached at 504.654.1057.

Registration Area
Registration and the Help Desk are located in the Preservation Hall Foyer on the second floor, and will be open the following hours:

- March 18: 4:00-7:00 PM
- March 19: 7:00 AM-6:00 PM
- March 20: 7:00 AM-5:00 PM
- March 21: 7:00 AM-12:00 PM (Help Desk only)

Please stop by the Help Desk with questions, and a PRIM&R staff member will be happy to assist you.

Conference and Pre-Conference Programs Materials
Pre-conference programs materials: If you are registered for a pre-conference program, you will receive a separate email from registration@primr.org that includes the website link and password for your program’s materials. Please note this password is different from the password for the conference materials. Pre-conference program materials are not available through the interactive agenda.

Conference/session materials: The password and instructions for accessing the session materials was provided in a Conference Attendee Newsletter sent on March 13 (the password is also available on the first page of this guide). Session materials will NOT be provided to attendees, and can only be printed onsite through the hotel business center, at attendee expense. We encourage you to view the materials via the interactive agenda with an electronic device.

To access session materials using the interactive agenda:
2. Locate the specific session on the full agenda by scrolling or using the search field. You can also search by clicking “Conference Agenda” on the sidebar, which allows you to browse by date, title, target audience, track, or keyword.
3. If materials are available for a session, a document icon will appear next to the title of the session.
4. Click on the icon to access the materials.
5. Enter the password included in the body of your Conference Attendee Newsletter. The code can also be found on the first page of this guide.

Reminder: Session materials are posted as they are received from speakers, so check the interactive agenda and pre-conference program websites before, during, and after the conference. Not all programs and sessions will have materials. After the conference, audio and video recordings for designated conference sessions only will be accessible through the interactive agenda.
Scholarships

Institutional Capacity Building Scholarship Program

A number of small, underfunded higher education and community institutions in the United States need, but do not have, fully functioning IACUCs.

Many of these institutions serve primarily minority populations with educational disparities, such as Historically Black Colleges and Universities, Hispanic-Serving Institutions, and Tribal Colleges and Universities.

Almost all such institutions have significantly fewer resources than their larger peer institutions, which can make keeping up with and implementing best IACUC practices a challenge. This scholarship program offers a funded educational opportunity to teams of two representatives of such institutions, with the goal of building capacity and fostering institutional change at their home institutions.

To help strengthen these organizations, PRIM&R offers the 2017 IACUC Conference Institutional Capacity Building Scholarship Program, believing that participation in PRIM&R’s IACUC Conference offers valuable professional development, education, and networking that will aid in addressing these disparities. A full scholarship includes travel arrangements, hotel accommodations, waived registration fees, and a complimentary one-year PRIM&R membership.

Applications for the 2018 IACUC Conference Scholarship Programs will be available in December 2017.
PRIM&R established the CPIA® credential in 2007, and since then, more than 500 individuals have become certified. This certification was created to improve the quality of animal care and use programs nationwide and promote ethical practices and advanced knowledge of IACUC administration.

The CPIA credential...
- Strengthens the quality of IACUCs by providing an established body of relevant knowledge and national standards of practice in IACUC administration
- Validates an individual’s professional experience and mastery of the body of knowledge determined by national experts to be essential to competent IACUC administrative practices
- Demonstrates the certified IACUC professional’s high level of dedication to IACUC administration as a profession
- Provides potential career advancement opportunities

Complete information about the CPIA program can be found on the PRIM&R website at www.primr.org/certification/cpia.

CPIA Exams
Exams are conducted during two periods in the spring and fall. The spring 2017 exam registration deadline has passed. The fall exam deadline is September 1, and the exam window is October 16-28, 2017.

CPIA Recertification
Participation in the 2017 IACUC Conference qualifies as continuing education for the purpose of CPIA recertification, and participants can earn a maximum of 15.5 credits. Credit hours for the pre-conference programs vary depending upon the duration of the course; please refer to page 4 for details.

CPIA at the 2017 IACUC Conference
Individuals with questions about recertification or who are interested in earning the CPIA credential should consider attending the following sessions:
- **C7: The Nuts and Bolts of the CPIA Credential: Obtaining the Credential and Recertifying**
  Monday, March 20, 4:30-5:45 PM, Studio 9
  This session is for those individuals interested in earning the CPIA credential and current credential holders who are interested in learning more about recertification through continuing education.
- **CPIA Networking Lunch**
  Tuesday, March 21, 12:15-1:15 PM, Bissonet Ballroom
  CPIA-certified individuals can connect with one another and discuss recertification with members of the CPIA Council.

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**Calling all attending vets, clinical vets, staff vets, vet residents, and the IACUC professionals who love them...**

Would you benefit from a better understanding of the intersection of the vet community and IACUC world?

If so, please consider joining PRIM&R on April 26, immediately following ACLAM’s Forum in Tucson, for a post-conference program, *Reducing Regulatory Burden: What’s Not to Like?*

Learn more: www.primr.org/edcourses/regulatory-burden/
PRIM&R is pleased to present Marcy Brown, BS, MA, CMAR, CPIA, with the 2016 ARENA Legacy Award. Ms. Brown serves as the animal welfare regulatory compliance lead of Pfizer Global Research and Development in La Jolla, California.

In the words of the PRIM&R member who nominated Ms. Brown:

“She promotes a culture of animal welfare first, and is key in influencing others to uphold our high standards. Under her watch, we continue to maintain an exemplary animal care program as evidenced through continued accreditation with AAALAC International, as well as continued compliance with USDA standards. [Ms. Brown’s] passion, commitment, and recognition as an experienced author, presenter, and instructor have established her reputation as an indispensable resource to those of us in the field.

She has influenced countless individuals to aspire to the highest ethical standards in the animal welfare field within our institutional organization, the greater San Diego Area research community and at a national level. [Ms. Brown’s] focus on organizing and developing educational workshops, book chapters, networking opportunities and mentoring relationships exemplify the passion and commitment that drives her pursuit of excellence in this field.”

That testimonial only begins to tell the tale of Ms. Brown’s significant contributions to research ethics in animal care and use that has greatly benefited the PRIM&R community, including the attendees who have joined us here in New Orleans.

Ms. Brown joined PRIM&R in 2000 and has been an active member ever since. She serves as chair on PRIM&R’s Council for Certified Professional IACUC Administrators, served as a member of PRIM&R’s Certification Committee, and has served as faculty at seven PRIM&R Essentials of IACUC Administration pre-conference courses and at 12 PRIM&R conferences.

In addition to her work with PRIM&R, Ms. Brown is responsible for ensuring ethical and high-quality animal care and welfare at Pfizer’s global comparative medicine and research and development endeavors. She serves on the board of directors of the California Biomedical Research Association (CBRA) and as an AAALAC ad hoc specialist. Ms. Brown has also devoted significant time to presenting and co-facilitating presentations, workshops, and panels at the American Association for Laboratory Animal Science (AALAS) and Massachusetts Society for Medical Research (MSMR) meetings.

Ms. Brown has a biology background, holds a Master of Arts degree from the University of California, Berkeley and is a certified Lean Six Sigma Black Belt. Previously, she worked for several years as the director of the IACUC at a large academic institution, giving her a broad perspective on animal welfare, research, and compliance issues in both academic and industry settings.

Ms. Brown is a standard bearer of ethical practice in animal care and use. We are pleased to recognize her service and, on behalf of the PRIM&R membership, present her with the ARENA Legacy Award on Monday, March 20 at 8:20 AM.

The ARENA Legacy Award recognizes PRIM&R members who have made exemplary contributions to the mission and goals of PRIM&R by significantly promoting the ethical conduct of research through mentoring, teaching, and leadership. This award was developed to honor not only those chosen, but also the living legacy created by ARENA, the membership division of PRIM&R from 1986 to 2006.

The co-recipient of the 2016 ARENA Legacy Award, Patricia MacCubbin, MS was presented with her award at PRIM&R’s 2016 Advancing Ethical Research Conference.
Pre-Conference Programs

PRIM&R’s 2017 IACUC Pre-Conference programs will be held on March 19. Registration for these courses is now closed, so only those attendees who pre-registered are able to participate.

Boxed lunches will be provided for the pre-conference courses on March 19. Please review your course schedule, as lunch times differ. Please consult the room assignments below for course and lunch locations.

At the conclusion of the pre-conference courses, you will receive an email with the link to an electronic evaluation form for Essentials of IACUC Administration—Intensive and Beyond the Basics: Advanced Issues and Current Topics in IACUC Administration.

Please note that those who are attending IACUC 101™: “The Basics” will receive a hardcopy of the evaluation form which should be submitted at the end of the workshop.

Your feedback is essential to improving the quality and scope of our educational programing, and we would appreciate your completion of this survey.

Sunday, March 19

<table>
<thead>
<tr>
<th>Time</th>
<th>Location</th>
<th>Program Title</th>
<th>Speakers</th>
<th>Room Assignments</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 AM-</td>
<td>Galerie 3</td>
<td><strong>Beyond the Basics: Advanced Issues and Current Topics in IACUC Administration</strong></td>
<td>Ron E. Banks, DVM; William G. Greer, BS, CPIA, RLAT</td>
<td>Galeries 1 &amp; 4</td>
</tr>
<tr>
<td>4:30 PM</td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>8:00 AM-</td>
<td>Galerie 6</td>
<td><strong>Essentials of IACUC Administration—Intensive</strong></td>
<td>Marcy A. Brown, BS, MA, LSSBB, CMAR, CPIA; Deborah “Deb” A. Frolicher, BS, CPIA</td>
<td>Galeries 1 &amp; 4</td>
</tr>
<tr>
<td>5:30 PM</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8:00 AM-</td>
<td>Galerie 2</td>
<td><strong>IACUC 101™: “The Basics”</strong></td>
<td>John F. Bradfield, PhD, DVM, DACLAM; Marilyn J. Brown, DVM, MS; Cynthia “Cyd” S. Gillett, DVM, DACLAM, CPIA; Neera V. Gopee, DVM, PhD; Molly Greene, BA, CPIA; Mary Lou James, BA (biochemistry), LAT, CPIA; Monte Matthews, BA, CPIA; Elizabeth Meek, DVM, MPH; Eileen M. Morgan, BS; Marky E. Pitts, CPIA; and Ernest D. Prentice, PhD</td>
<td>Galerie 5</td>
</tr>
<tr>
<td>5:30 PM</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4:30-6:30 PM</td>
<td>Studio Foyer</td>
<td>Pre-Conference Courses Networking Reception</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Your Guide to the Conference Agenda

IACUC17 features a wide variety of breakout sessions. To help you gain the most from your conference experience, and to make the breakout sessions easier to navigate, they are organized into eight thematic “tracks” (see the next page of this guide for more information). Within the tracks, there are three types of breakout sessions: workshops (interactive), didactic sessions (lecture-based), and double sessions (hybrid workshops/didactic sessions that are twice as long as regular breakout sessions).

We advise you to use the track descriptors, as well as the session descriptors in the conference agenda, to identify the sessions most relevant to you. Please also note the following:

1. Double sessions are held over lunch and include a boxed meal. Attendees should pick up their lunch in Galerie 1-3 before arriving at the session. Please note that pre-registration was required for these sessions to help ensure adequate seating. If you did not pre-register, but would like to attend, get a lunch and then go to the session room and wait until the session starts to see if seats are available.

2. Sessions marked basic are designed to provide an introduction to the topic for those who have little or no prior knowledge of it, or for individuals looking for a refresher on the fundamentals. Teaching styles are a blend of didactic and active learning pedagogy, and the focus is on introducing, explaining, and illustrating basic concepts, principles, regulations, policies, or best practices relevant to the topic. Participant interaction is encouraged via questions designed to check understanding of facts and information as presented, and through discussion with speakers and other attendees and/or review of brief case studies.

3. Sessions marked advanced a) assume mastery of central ethical concepts and principles, of the regulations, and of the processes of applying them to the day-to-day work of protocol review or other research oversight activities, and b) provide attendees with in-depth knowledge of an area and a robust set of skills for addressing difficult problems and navigating “gray areas” related to the topic, improving their IACUCs or animal care and use programs, shaping their institutional cultures, or advancing their careers. Sessions will make heavy use of active learning techniques, such as small group work, case studies, hands-on activities, participant-created content, and interactive discussion. Attendees are expected to have sufficient experience and understanding to actively contribute to the discussion of and solution to these difficult problems. These sessions will not review basic concepts.

4. Sessions that do not have a learning level listed are intended for all audiences.

Icon Key

- Indicates a didactic session (lecture-based)
- Indicates a workshop (interactive)
- Indicates a double session (hybrid workshops/didactic sessions; see note number one)
- Indicates session will be recorded for the conference proceedings
- Qualifies for CPIA® recertification credit
- Pre-registration was required. (Please visit the Help Desk to inquire about availability.)
- Indicates a session chosen from our Call for Session Proposals
## Your Guide to the Conference Tracks

<table>
<thead>
<tr>
<th>TRACKS</th>
<th>DESCRIPTORS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Animal Well-Being and the 3Rs</td>
<td>This track reviews issues related to animal well-being and the 3Rs, including social housing, rodent surgery expectations, behavioral management and refinement, environmental stress, unalleviated pain and distress, and strategies and approaches to the 3Rs.</td>
</tr>
<tr>
<td>Communication and Networking</td>
<td>This track provides attendees with an opportunity to engage in an open dialogue with their peers, experts, and federal agency and accrediting body representatives about their role in their animal care and use programs, the regulations and accreditation standards, improving internal and external communications, and exploring and enhancing diversity in compliance committees.</td>
</tr>
<tr>
<td>Hot Topics and Emerging Trends</td>
<td>This track consists of sessions addressing issues that may be novel and/or particularly complex.</td>
</tr>
<tr>
<td>IACUC Administration/Management and Process</td>
<td>This track addresses issues of importance to IACUC administrators, coordinators, and managers, including the roles and responsibilities of IACUC administrators and members, keeping your institutional official engaged, the CPIA® credential, departures, AAALAC site visits, implementing a web-based protocol management system, and more</td>
</tr>
<tr>
<td>Not Your Average IACUC</td>
<td>This track reviews the issues that can arise with protocols dealing with wildlife and aquatics, the IACUC’s handling of wildlife in management vs. research decisions, and the use of farm animals in research or teaching.</td>
</tr>
<tr>
<td>Program Management</td>
<td>This track covers issues related to program management, including program review and facility inspections, issues for small organizations, FOIA, noncompliance, international collaborations, the USDA inspection process, post-approval monitoring, using data to evaluate your animal care and use program, and more.</td>
</tr>
<tr>
<td>Protocol Review</td>
<td>Sessions in this track will address the importance of a well-designed protocol form, teaching protocols, significant changes and veterinary verification and consultation, congruency between grants and protocols, decreasing regulatory burden in protocol review, and more.</td>
</tr>
<tr>
<td>Training and Qualifications</td>
<td>This track will help attendees develop effective educational programs for the assorted stakeholders involved in the IACUC process, and will review how to use active learning methodologies to promote animal welfare, what the USDA and OLAW expects with regard to training, how members of diverse committees can work together to improve overall committee/group function, and more.</td>
</tr>
</tbody>
</table>
### Monday, March 20

**7:00 AM**  
Preservation Hall Foyer  
Registration  
Breakfast on your own.

**7:00-8:00 AM**  
Bissonet Ballroom  
**Continental Breakfast to Welcome First-Time Attendees**  
Attending the IACUC Conference for the first time can be exciting and overwhelming, which is why PRIM&R invites all first-time attendees to participate in this special breakfast. This event is a great opportunity for first-time attendees to ask questions of the PRIM&R staff and seasoned attendees about the conference and PRIM&R in general, and to learn about strategies and resources that can help them make the most of their conference experience. Pre-registration is required for this event.

**8:00-8:05 AM**  
Acadia Ballroom  
**Welcome from the IACUC17 Co-Chairs**  
Jori K. Leszczynski, Natalie L. Mays

**8:05-8:15 AM**  
Acadia Ballroom  
**Presentation of the PRIM&R ARENA Legacy Award to Marcy A. Brown, BS, MA, LSSBB, CMAR, CPIA, Animal Welfare Regulatory Compliance Lead, Pfizer Worldwide Research and Development**  
David J. Lyons, PhD, Member, PRIM&R’s Membership Committee

**8:15-8:30 AM**  
Acadia Ballroom  
**Welcome from PRIM&R’s Executive Director**  
Elisa A. Hurley, PhD

**8:30-9:15 AM**  
Acadia Ballroom  
**Keynote Address: Gut Microbiota and Reproducibility of Rodent Models of Disease**  
Craig L. Franklin, DVM, PhD, DACLAM, Professor, Department of Veterinary Pathobiology, College of Veterinary Medicine; Director, Mutant Mouse Resource and Research Center; Director, Comparative Medicine Program; Director, Veterinary Research Scholars Program, University of Missouri

**9:15-10:30 AM**  
Acadia Ballroom  
**Panel I: Virtual IACUC: This Meeting Is in Session!**  
**Moderator:** Mindy Hollander  
**Panelists:** Robert Wayne Barbee, Joel S. Brown, Patricia A. Brown, Larry Carbone, Carol Clarke, Clarissa Dirks, Andrew W. Grady, Jennifer A. Perkins, Janet D. Stemwedel  
Be sure not to miss this real-time virtual IACUC meeting! Virtual agenda items will be made available to conference attendees prior to the “meeting” and attendees will have the opportunity to electronically participate in the virtual committee voting process via text or web polling. Audience vote tallies will then be displayed and discussed, and representatives from AAALAC, OLAW, and USDA, APHIS, Animal Care will provide their perspective on each issue discussed by the virtual IACUC.

**10:30-11:00 AM**  
Studios & Preservation Hall Foyer  
**Beverage Break with the Supporters and Exhibitors**  
Thank you to iMedRIS Data Corporation for supporting this break.

**11:00 AM -12:15 PM**  
**Breakout Sessions – Series A**

**A1**  
**Studio 5**  
**Managing Social Housing for Rodents and Rabbits**  
*(Animal Well-Being and the 3Rs Track)*  
Georgina Dobek, Neera V. Gopee (OLAW resource person), Jennie Lofgren  
According to the *Guide*, social species should be socially housed whenever possible; however, managing social housing in a large or complex colony can be very challenging and time consuming. This session will focus on experiences, best practices, and practical approaches to social housing, which is currently being scrutinized by AAALAC and other entities. Attendees should have an understanding of the social housing requirements of the *Guide*, facility operations, the challenges faced with documenting social housing of large populations, and acceptable reasons for exemptions to social housing before attending this session. During this session, speakers and attendees will:  
- Review how to successfully manage a social housing initiative for rodent and rabbit colonies  
- Share insight on developing standard operating procedures/policies and documentation for a social housing initiative for rodent and rabbit colonies  
- Discuss how to educate animal care and laboratory staff on social housing initiatives

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**Call for Session Proposals**

**Double Session**

**Recertification Credit**

**Pre-Registration Required**

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MARCH 19-21, NEW ORLEANS, LA
Monday, March 20

A2  Studio 10
Time to Connect: A Conversation With AAALAC
(Communication and Networking Track)
John F. Bradfield
AAALAC is a voluntary accrediting organization that enhances the quality of research, teaching, and testing by promoting humane, responsible animal care and use. It provides advice and independent assessments to participating institutions and accredits those that meet or exceed applicable standards. This interactive session will provide an opportunity for attendees to meet with the leadership of the organization to:
• Review the process of achieving or maintaining AAALAC accreditation
• Discuss AAALAC’s approach to cutting edge issues in animal care and use
• Outline the top deficiencies reported to AAALAC and how the organization handles these reports
• Identify and discuss the most frequent findings during site visits
• Become familiar with AAALAC staff and the resources available for those wishing to maintain or achieve a robust system of animal care and use

A3  Galvez
Open Forum for Attending Veterinarians
(Communication and Networking Track)
Jori K. Leszczynski, Jon D. Reuter
Laboratory animal veterinarians in the United States are in a unique position compared to many of their colleagues in other countries in that they have been granted a tremendous amount of responsibility and authority for managing their institutions’ animal care and use programs. During this session, speakers and attendees will:
• Discuss the challenges that arise for veterinarians in exercising their responsibilities and authority
• Review suggestions for coping effectively with challenges to that authority

A4  Jackson
Dare to Care: Developing and Implementing a Sustainable Compassion Fatigue Program that Meets Your Institutional Needs
(Hot Topics and Emerging Trends Track)
Anneke Keizer, J. Preston Van Hooser, Sally Thompson-Iritani
This session will introduce the topic of compassion fatigue as it applies to people who work directly with animals and members of the IACUC and their support staff. There will be an opportunity for discrete tabletop discussions in relation to both the causes and impacts of compassion fatigue. Participants will be provided with tools and strategies to ameliorate, reduce, and avoid compassion fatigue, as well as examples on how to develop a sustainable program that meets the needs of the research community. During this session, speakers and attendees will:
• Review the topic of compassion fatigue as it applies to people who work directly with animals and members of the IACUC and their support staff
• Share individual strategies on how to manage human emotions for laboratory animal professionals
• Explore how to develop and implement a sustainable compassion fatigue program

A5  Galerie 6
Report from the American Association for Laboratory Animal Science (AALAS)-Federation of European Laboratory Animal Science Associations (FELASA) Working Group on Harm-Benefit Analysis: Now That it Is Here, What Do We Do With It?
(Hot Topics and Emerging Trends Track)
Kathryn Bayne (AAALAC resource person), Allyson J. Bennett, B. Taylor Bennett, Patricia A. Brown, Chris E. Newcomer, William S. Stokes
In June 2016, the AALAS-FELASA Working Group on Harm-Benefit Analysis released a two-part report on the concept and practical implementation of a harm-benefit analysis, citing this process is “still nebulous for many of the project applicants and committee members – and to the public who want accountability for this component of protocol/project review.” The report is broken into two parts: (1) Current Concepts of Harm–Benefit Analysis of Animal Experiments; and (2) Recommendations for Addressing Harm–Benefit Analysis and Implementation in Ethical Evaluation. The AALAS-FELASA Working Group notes that “a guideline on the practical implementation of the harm-benefit analysis would help researchers and committee members, and provide information that would help to improve the public’s understanding of the reasons for the use of animals in biomedical research.” During this session, speakers and attendees will:
• Review both parts of the report, outlining their importance to IACUCs and animal care and use programs
• Discuss if AAALAC, OLAW, and/or USDA will move toward requesting these harm-benefit analyses and, if so, in what format
Monday, March 20

A6 | Studio 3
---
**Animal Research With Volunteer Researchers: Citizen Science, What it Means for the Future, and the IACUC’s Role**  
*(Hot Topics and Emerging Trends Track)*  
Janet D. Stemwedel, TBD

A significant strand of citizen science involves volunteer “citizens” (usually those without advanced scientific training or an institutional affiliation) working with professional scientists to help complete a research project initiated and structured by professional scientists. During this session, speakers and attendees will:

- Define citizen science and provide diverse examples of citizen science and crowdsourced studies that include animal use
- Identify situations where IACUCs, principal investigators, and citizen-participants are likely to have different understandings of the ethical dimensions of the research activity or the need for ethical oversight
- Examine strategies for building best practices for citizen science to ensure data quality and humane treatment of animals
- Discuss ways to help principal investigators incorporate ethical considerations and an understanding of regulatory structures (including the IACUC) into the outreach function of their citizen science projects
- Review other considerations in citizen science including, but not limited to: liabilities, legal issues, grants, occupational health and safety, etc.

A7 | Galerie 5
---
**Boot Camp: Fundamentals for IACUC Members**  
*(IACUC Administration/Management and Process Track)*

Elizabeth Goldentyer (USDA resource person), Monte Matthews, Ernest D. Prentice

This session is for individuals new to the field and will provide a comprehensive review of the oversight process, IACUC functions, federal regulations, frequently used acronyms, the Guide, protocol review, and committee make-up. Please note this session will be similar to the IACUC 101 pre-conference program being held on March 19. During this session, speakers and attendees will:

- Review frequently used acronyms
- Examine specific USDA and OLAW regulations, and AAALAC requirements
- Outline IACUC responsibilities and charges
- Provide insight on the protocol review process (e.g., full committee and designated member reviews, protocol form components, amendments, minor vs. significant modifications)
- Explore other required institutional program components (e.g., occupational health and safety programs, training programs, emergency/disaster plans)

*This is a double session and will go until 1:45 PM. Please get your boxed lunch in Galerie 1-3 before going to the session room.*

A8 | Studio 4
---
**IACUC Basics for the Use of Wildlife in Research and Education**  
*(Not Your Average IACUC Track)*

John A. Bryan, II, Robert M. Gibbens (USDA resource person), Robert S. Sikes

This session will cover the basics for IACUC deliberations of those activities involving wildlife. The speakers will use a protocol tailored for wildlife to cover the information needed for an effective review of proposed activities, and provide resources specific to wildlife research. During this session, speakers will:

- Review the numbers and species of animals, both target and non-target
- Discuss the use of pharmaceuticals in capture and handling, and for relief of pain
- Address euthanasia in the field
- Explore issues in the field related to occupational health and safety

A9 | Studios 7 and 8
---
**Program Review and Facility Inspections**  
*(Program Management Track)*

Shay Cook, Donna Matthews Jarrell, Elizabeth Meek (USDA resource person), Venita Thornton (OLAW resource person), Donna M. Zyry

Semiannual program reviews and facility inspections conducted by the IACUC offer research institutions the opportunity to review and evaluate all aspects of the animal care and use programs. These activities ensure general practices, procedures, and policies are compliant with federal and local regulations and that animal welfare considerations are realized. All roles, from IACUC administrators to IACUC membership and supporting departmental partners, should be invited to participate in the conduct of these activities with appropriate preparation or training. Utilization of active learning tools, similar to the ones used in the new ICARE workshops, will offer attendees an interactive experience. During this session, speakers and attendees will:

- Review basic precepts of programmatic review and facility inspections
- Identify successful practices and challenges experienced by institutions today
- Go over expectations in conducting program reviews and their benefits
- Explore innovative approaches for performing highly effective semiannual facility inspections
- Discuss constructive reporting, action planning, and compliance tracking for deficiencies identified

*This is a double session and will go until 1:45 PM. Please get your boxed lunch in Galerie 1-3 before going to the session room.*
Monday, March 20

A10  
Galerie 4  
IACUC Challenges for Small Organizations  
(Program Management Track)  
Michelle Aparicio, Doreen H. Bartlett, Carol Clarke, Shannon Reynolds  
In this session, speakers and attendees will focus on how to run an efficient and effective IACUC with limited resources, creative solutions for challenges inherent to small organizations, and common sources of administrative burden. During this session, speakers and attendees will:  
• Share strategies for how to create an IACUC from scratch  
• Discuss how to maintain a small IACUC where members must wear multiple hats  
• Explore how to review protocols (including teaching protocols), perform program reviews, and conduct inspections in spite of limited scientific expertise, inexperienced members, and consulting veterinarians  
• Review how to make arrangements for a contract veterinarian where necessary (e.g., visit frequency, provisions for afterhours care if needed, alternate contacts, etc.)  
This is a double session and will go until 1:45 PM. Please get your boxed lunch in Galerie 1-3 before going to the session room.

A11  
Studios 1 and 2  
The Protocol Form: A Critical Factor in Getting What You Need from Investigators  
(Protocol Review Track)  
Chieko Azuma, Toni O’Connell, Mary Jo Shepherd  
This session will demonstrate how critical a well-designed protocol form is to streamlining the review process and reducing burden on both the IACUC and members of the research community. During this session, speakers and attendees will:  
• Review the order of sections/questions on a protocol (e.g., what is important?)  
• Discuss how to create clear, concise questions essential to getting what you need from principal investigators  
• Explore how to use "help" buttons and links to useful information within the form  
• Go over the use of pre-populated common procedures

A12  
Studio 9  
Interagency Collaborative Animal Research Education (ICARE): Using Active Learning (AL) Methodology to Promote Animal Welfare  
(Training and Qualifications Track)  
Nancy D. Connell, Clarissa Dirks, William G. Greer, Mindy Hollander, Susan Silk  
This session will assess the role of the IACUC in promoting animal welfare, and will examine the benefits of using AL in IACUC training. During this session, speakers and attendees will:  
• Demonstrate AL principles in the ICARE Module titled, “IACUC Authority and Responsibility for Animal Welfare”  
• Discuss AL as applied to IACUC content  
This is a double session and will go until 1:45 PM. Please get your boxed lunch in Galerie 1-3 before going to the session room.

12:30-1:45 PM  
Galerie 1-3  
Networking Lunch  
Time to connect...over lunch! Meet peers for conversation and networking. All are welcome!

12:30-1:45 PM  
Bissonet Ballroom  
Working lunch: Federal Demonstration Partnership (FDP’s) Faculty Workload Survey: A Discussion on Reducing Administrative Burden  
Joseph R. Haywood, Sandra L. Schneider, Sally Thompson-Iritani  
Note: Attendees should get their lunch in Galeries 1-3 before the session starts. In 2012, the FDP conducted a survey of principal investigators of federally funded projects to determine the impact of federal regulations and requirements on the research process. According to survey results, principal investigators reported that “almost half of their available research time for federal projects had to be allocated to project-related requirements instead of the content of their research projects.” In addition, principal investigators “estimated that an average of 42% of their research time associated with federally funded projects was spent on meeting requirements rather than conducting active research.” During this session, FDP staff, along with members of the animal care and use community, will:  
• Review the survey results and compare how they relate to the National Academies of Sciences, Engineering, and Medicine’s recently published report, Optimizing the Nation’s Investment in Academic Research: A New Regulatory Framework for the 21st Century  
• Consider the implications of the survey results on the field  
• Discuss the current work being done by FDP in this area, including FDP’s tracking of the 21st Century Cures Act section on “Reducing Administrative Burden for Researchers”  
• Explore how a new database being set up through FDP – the Compliance Unit Standard Procedures – will allow the animal care and use community to share common IACUC practices in an effort to help reduce administrative burden  
This will be a working lunch session. Please get your boxed lunch in Galerie 1-3 before going to the session room.
## Monday, March 20

<table>
<thead>
<tr>
<th>Time</th>
<th>Location</th>
<th>Session</th>
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<tbody>
<tr>
<td>2:00-2:45 PM</td>
<td>Acadia Ballroom</td>
<td><strong>Henry Spira Memorial Lecture: Assumptions and Certainty</strong>&lt;br&gt;William J. White, VMD, MS, DACLAM, Dip. ECLAM, Corporate Vice President, Veterinary and Professional Services, Charles River Laboratories (retired)</td>
</tr>
<tr>
<td>2:45-3:00 PM</td>
<td></td>
<td><strong>Break</strong></td>
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<tr>
<td>3:00-4:15 PM</td>
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<td><strong>Breakout Sessions – Series B</strong></td>
</tr>
<tr>
<td><strong>B1</strong></td>
<td>Studio 10</td>
<td><strong>Rodent Surgery Expectations</strong>&lt;br&gt;(Animal Well-Being and the 3Rs Track)&lt;br&gt;Szczepan Baran, Skye Rasmussen&lt;br&gt;During this session, speakers will:&lt;br&gt;• Identify issues and concerns about performing rodent surgery&lt;br&gt;• Review recent literature and findings on pre-surgical preparations (e.g., thermal support, skin preparation, etc.)&lt;br&gt;• Discuss perioperative assessments and post-operative care&lt;br&gt;• Address promotion of consistency with oversight of post-operative rodents</td>
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<tr>
<td><strong>B2</strong></td>
<td>Galvez</td>
<td><strong>Using Behavioral Management to Promote Refinement</strong>&lt;br&gt;(Animal Well-Being and the 3Rs Track)&lt;br&gt;Kate C. Baker, Jennifer Beninson, Debra L. Hickman&lt;br&gt;As a way to promote refinement, it is becoming more common for animal care and use programs to have behavioral management programs. During this session, speakers will:&lt;br&gt;• Review examples of behavioral management programs for different animal species, including nonhuman primates, and how they promote refinement&lt;br&gt;• Discuss challenges with implementing behavioral management programs and potential solutions&lt;br&gt;• Address the IACUC’s role in behavioral management programs</td>
</tr>
<tr>
<td><strong>B3</strong></td>
<td>Galerie 6</td>
<td><strong>Developing and Maintaining a Positive and Productive Communication Environment in Your Animal Care and Use Program</strong>&lt;br&gt;(Communication and Networking Track)&lt;br&gt;Emily W. Clark, Jo Ann Henry&lt;br&gt;Developing and maintaining a positive communication environment is the foundation upon which a culture of compliance can be built. During this session, speakers and attendees will:&lt;br&gt;• Review various activities that can improve the communication environment between the assorted stakeholders and those who provide both animal care and IACUC support&lt;br&gt;• Learn how to develop and maintain a positive communications environment&lt;br&gt;• Identify situations that can compromise this environment&lt;br&gt;• Discuss ways to deal with these situations</td>
</tr>
<tr>
<td><strong>B4</strong></td>
<td>Studio 3</td>
<td><strong>Open Forum for IACUC Chairs</strong>&lt;br&gt;(Communication and Networking Track)&lt;br&gt;George F. Babcock, Robert Kesterson&lt;br&gt;This interactive session will provide a forum for IACUC chairs to discuss the issues they face in carrying out their duties, including their role as leaders in the process of certifying the institution’s compliance with regulations, polices, and guidelines. During this session, speakers and attendees will:&lt;br&gt;• Discuss the roles and responsibilities of IACUC chairs at various institutions and share insight on the support needed to carry out those responsibilities&lt;br&gt;• Examine the mandated responsibilities of the institutional official, and delineate the respective responsibilities of the institutional official, the IACUC, and the attending veterinarian&lt;br&gt;• Review methods used by IACUCs to deliver quality service, liaise with investigators to resolve problems, promote IACUC programs, and advocate for the development of animal research resources</td>
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</table>
### Monday, March 20

<table>
<thead>
<tr>
<th>Session</th>
<th>Title</th>
<th>Speaker(s)</th>
</tr>
</thead>
</table>
| B5      | Jackson | **Pain Management in Your Scientific Methods: How Better Writing Can Lead to Better Animal Welfare and Science** *(Hot Topics and Emerging Trends Track)*  
Despite *Animal Research: Reporting of In Vivo Experiments* and National Academies guidance for better publication of animal experiments, in most publications sampled, it was impossible to know whether animals received analgesics after research surgeries. This publication gap limits readers’ ability to critically evaluate the literature, reduces the likelihood of successful replication, and challenges efforts to evaluate protocols with unalleviated pain or distress. This session will present data on the publication gap, and demonstrate how better writing and publication practices could improve IACUC functions and animal welfare. During this session, the speaker will:  
• Discuss how poorly written methods sections can undermine data reproducibility and animal welfare  
• Review the limits of standard literature searches for protocols with unalleviated pain or distress  
• Share suggestions for how IACUCs and the *Guide* can improve animal welfare through guidance on better publishing | Larry Carbone |
| B6      | Studios 7 and 8 | **IACUC Administration for New IACUC Administrators/Coordinators** *(IACUC Administration/Management and Process Track)*  
This session is for individuals responsible for administrative support of the IACUC, and will provide a comprehensive review of responsibilities typically assigned to IACUC administrators/coordinators. Please note this session will be similar to the Essentials of IACUC Administration-Intensive pre-conference program being held March 19. During this session, speakers will:  
• Outline the role of the IACUC administrator as a customer service agent  
• Discuss ways to support the protocol review process  
• Provide various options for conducting post-approval monitoring  
• Share strategies on how to streamline administrative processes for IACUC administrative staff | Sandra L. Jensen, Natalie L. Mays, Trina M. Smith |
| B7      | Studio 5 | **IACUC Handling of Wildlife in Management Versus Research Decisions** *(Not Your Average IACUC Track)*  
This mini-panel session will focus on the issues IACUCs and investigators face when animals are used for both wildlife management and research. Collecting data tailored for both management and research purposes maximizes benefit per capture, but also imposes challenges for the IACUC where their responsibilities are confined to research, teaching, and testing. These topics will be addressed primarily through scenarios about these gray areas. During this session, speakers and attendees will:  
• Clarify regulatory requirements for IACUC review and oversight of wildlife management versus wildlife research activities  
• Explore the use of data collected for management activities in subsequent research publications  
• Discuss how teams composed of management and academic personnel collect multiple data on hard-to-capture wild species  
• Review the IACUC’s responsibilities and limitations when work occurs on land that is not owned by the institution (e.g., public, state and federal lands, tribal lands, etc.) | Robert M. Gibbens (USDA resource person), Elaine K. Kim, Brent C. Morse (OLAW resource person), Tracy A. Thompson, Sally Thompson-Iritani |
| B8      | Studio 4 | **Freedom of Information Act (FOIA) and State Open Records Acts: The Dos and Don’ts** *(Program Management Track)*  
During this session, speakers will:  
• Review the requirements of FOIA and state open records acts  
• Discuss the importance of maintaining FOIA-ready documents  
• Outline what to do if records are requested  
• Address the type of information required in an Animal Welfare Assurance, a self-report to OLAW, and the annual report to USDA protocols | B. Taylor Bennett, Elizabeth Goldentyer (USDA resource person), Jennifer A. Perkins |
### Monday, March 20

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<th>Time</th>
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| B9     | Studios 1 and 2 | **Beyond the IACUC: Understanding the Bigger Compliance Picture**  
*Program Management Track*  
Barbara A. Garibaldi, Christina Nascimento  
IACUCs regularly encounter noncompliance related to animal care and use, but oftentimes that noncompliance has greater implications. This session will help IACUCs identify overlap with other compliance functions; provide examples of noncompliant activities in these areas that may be identified during the conduct of IACUC business or through inquiries/investigations into IACUC-related noncompliance; and empower IACUC professionals with the know-how to both recognize and address noncompliance that may or may not be directly related to animal care and use. During this session, speakers and attendees will:  
• Review the most likely areas that could be affected by IACUC noncompliance  
• Discuss examples of IACUC noncompliance, how they can potentially trigger additional investigations and reporting requirements, and who to contact at the institution when issues arise  
• Address basic reporting requirements for funding agencies, research hazard exposures, and other common overlap areas |
| B10    | Galerie 4   | **Teaching Protocols, Classroom Activities, and More**  
*Protocol Review Track*  
Phillip Harris, Robert S. Sikes, Janet D. Sternwedel  
Animals are used in the classroom at many institutions of higher education. The review of these uses of animals can pose challenges for IACUCs. During this session, speakers will:  
• Discuss concerns specific to teaching protocols, including pedagogical value of repeated activities  
• Review what questions need to be asked with each type of protocol  
• Provide strategies to identify students enrolled in these courses, and review how to ensure students are knowledgeable about species-specific and project-specific dangers and risks  
• Outline ways to ensure students are well informed of next steps should health concerns arise  
• Explore ways to document training and receipt of information regarding health concerns and animal welfare reporting |
| B11    | Galerie 5   | **Protocol Review Fundamentals**  
*Protocol Review Track*  
Tanise L. Jackson, Mary Jo Shepherd  
During this session, speakers will review regulatory protocol review requirements and explore ways to effectively do review while reducing burden on members of the research community, IACUC members, and IACUC staff. During this session, speakers will:  
• Go over protocol review requirements  
• Discuss the pros and cons of using subcommittees  
• Explore the benefits and disadvantages of designated member review versus full committee review  
• Review the use of checklists in the process  
• Examine ways to improve consistency among reviewers and reduce burden |
| B12    | Studio 9    | **Initial Implementation of Active Learning (AL) in Assured and Registered Institutional Animal Care and Use Programs by Participants in the ICARE Train the Trainers Institute**  
*Training and Qualifications Track*  
Rebecca D. Armstrong, Nancy D. Connell (resource person), Clarissa Dirks (resource person), William G. Greer (resource person), Claire R. Johnson, Kiirsa Pokryfke, Susan Silk (resource person)  
This session will discuss and demonstrate initial implementation of AL learning methodology at institutions. During this session, speakers and attendees will:  
• Demonstrate core concepts of ICARE AL in animal care and use education and training  
• Review and analyze the challenges institutions face in implementing AL  
• Brainstorm solutions for implementing AL in IACUC education and training |
| 4:15-4:30 PM | Studios & Preservation Hall Foyer | **Beverage Break With the Supporters and Exhibitors**  
Thank you to Huron for supporting this break. |
Monday, March 20

4:30-5:45 PM Breakout Sessions – Series C

C1 Studios 7 and 8
Consequences of Environmental Stress in Rodents
(Animal Well-Being and the 3Rs Track)
Kathryn Bayne, Georgina Dobek
During this session, speakers will:
• Review information on social housing for rodents
• Discuss solutions for environmental stress, as well as the implications of bedding, caging, nesting materials, light, noise, magnetic fields, and male versus female experimenters/husbandry staff on mouse well-being and research outcomes
• Examine whether the Guide recommendations regarding social housing for rodents (e.g., mouse room temperature) may exacerbate the environmental stress problem

C2 Studio 3
Developing and Implementing Proactive Communication Strategies Surrounding the Use of Animals in Biomedical Research
(Communication and Networking Track)
Allyson J. Bennett, Diana Gordon, Ken Gordon
Institutions and organizations that develop and implement proactive communication strategies surrounding the use of animals in biomedical research provide vital tools in dealing with the lack of understanding on the part of their staff and the public of how animal-based research is conducted and the dynamic oversight process that regulates this activity. During this session, speakers and attendees will:
• Discuss the resources available that can help institutions and organizations in developing a proactive communication program
• Review the key components of becoming an effective communicator
• Provide examples of effective communication strategies

C3 Galvez
Exploring and Enhancing Diversity Within Our Compliance Committees
(Communication and Networking Track)
Tanise L. Jackson, Donna Matthews Jarrell, Natalie L. Mays, Janet D. Stemwedel
PRIM&R’s commitment to diversity, one of its core values, is supported in this session. Facilitators and attendees will brainstorm and strategize how to champion the important benefits of diversity in all aspects of regulatory affairs and regulatory compliance career pathways. This will span from animal care personnel, to the IACUC office and membership, to our researcher community partners. During this session, speakers and attendees will:
• Discuss the benefits and challenges around diversity in IACUC committees and workplaces
• Expand on “Why Diversity Matters” in the biomedical community
• Examine mechanisms to increase diversity competencies
• Provide and practice using a “toolbox of skills” for communication and problem-solving among diverse IACUC administrative, committee, and research personnel

C4 Studio 4
CO2 Euthanasia: Where Do We Go from Here?
(Hot Topics and Emerging Trends Track)
Neera V. Gopee (OLAW resource person), Debra L. Hickman
This session will build on the on-going discussions about the appropriate methods to use to euthanize laboratory rodents. During this session, speakers and attendees will:
• Learn about how the American Veterinary Medical Association Panel develops its guidelines, how the document is updated, and possible challenges to its implementation
• Review the recent literature, including the Newcastle Report, and how it affects selection of appropriate euthanasia methods
• Explore knowledge gaps and discuss ways to close those gaps

C5 Galerie 5
Performance Standards
(Hot Topics and Emerging Trends Track)
John F. Bradfield (AAALAC resource person), Elizabeth Meek (USDA resource person), Brent C. Morse (OLAW resource person), Shannon Reynolds, William J. White
Performance standards are central to the implementation of the Guide and, yet, the various methods of developing and applying performance standards appropriately to animal care and use programs are not well understood. This session will cover what performance standards are, how they can be established within the regulatory framework, and the points to consider when IACUCs evaluate them to justify departures from the Guide. During this session, speakers will:
• Define what is a performance standard and how it ties to improved animal welfare
• Review ways of establishing performance standards
• Explore points to consider in the IACUC’s review of performance standards
Monday, March 20

C6  Studio 10  
**Keeping Your Institutional Official (IO) Informed and Engaged**  
(*IACUC Administration/Management and Process Track*)  
Barbara A. Garibaldi, Jo Ann Henry, Ernest D. Prentice  
The IO assumes significant responsibilities in the animal care and use program and must work in partnership with divergent populations at the institution. Whether you’re working as the attending veterinarian, IACUC administrator, or as a researcher, this session will explore how to keep your IO informed and engaged. During this session, speakers will:
- Discuss ways to begin IO engagement, as well as how to address issues related to animal program responsibilities, quality science, legal requirements, liabilities, and risks
- Share strategies for how to educate your IO about the critical relationship between quality science and animal care and use, and oversight programs (including ideas for IO continuing education)
- Explore methods to manage and meet expectations for you and the IO

C7  Studio 9  
**The Nuts and Bolts of the CPIA® Credential: Obtaining the Credential and Recertifying**  
(*IACUC Administration/Management and Process Track*)  
Caryn Hashimoto, Justin A. McNulty, Sandra L. Wilkins  
In this session, a member of the CPIA Council, a recently certified individual, a recently recertified individual, and attendees will talk about obtaining the CPIA credential and the process for recertification. During this session, speakers and attendees will:
- Review the development and status of the credentialing program
- Discuss examination preparation tactics based on first-hand experience
- Receive tips from a recently recertified individual on how to recertify
- Explore how the credential can benefit your career and potential career paths
- Answer attendee questions about the CPIA credential and recertification

C8  Jackson  
**Biomedical Research With Aquatics**  
(*Not Your Average IACUC Track*)  
Doreen H. Bartlett (OLAW resource person), Phillip Harris, Monte Matthews  
This session will cover the expectations for the maintenance of laboratory aquatic systems and the use of aquatics in laboratory environments. During this session, speakers will:
- Review the essential and recommended design parameters for aquatic systems
- Address water quality indices to ensure animal health and safety
- Discuss anesthetics for aquatics
- Go over IACUC checklists for semiannual inspections

C9  Galerie 4  
**IACUC-Related Regulations for International Collaborations**  
(*Program Management Track*)  
Andrew W. Grady (AAALAC resource person), Eileen M. Morgan, Kevin Prestia, Jason J. Wang  
This session will focus on IACUC-related regulations for international collaborations, which aim to aid in creating a more harmonized regulation environment and culture to facilitate research. During this session, speakers and attendees will:
- Review IACUC-related regulations and guidelines for international collaborations
- Share experiences on facilitating and implementing international collaborations
- Discuss the potential challenges in facilitating and implementing international collaborations

C10  Studio 5  
**Managing the USDA Inspection Process**  
(*Program Management Track*)  
B. Taylor Bennett, Robert M. Gibbens  
This interactive session will review the components of a program for effectively managing the USDA inspection process, as well as provide insight into assuring compliance in frequently cited areas. During this session, speakers and attendees will:
- Discuss how to effectively manage the inspection process
- Review recent changes to the inspection process
- Identify the most frequent findings during inspections and how to assure compliance within the relevant sections of the regulations and standards
- Outline how to handle the appeals process
Monday, March 20

C11 Studios 1 and 2

**Significant Changes and Veterinary Verification and Consultation (VVC) Two Years Later: What’s Working and What’s Not?**  
*(Protocol Review Track)*

Patricia A. Brown, Jori K. Leszczynski, Mary Jo Shepherd, William S. Stokes

The Significant Changes Guidance has the potential to allow institutions to more rapidly respond to the changing needs of investigators, especially with regards to changes in items that fall under the traditional veterinary purview of analgesics and anesthetics as part of the VVC sections of the Guidance. Through the use of case-based discussions, speakers and attendees will:

- Review examples of how to implement the Guidance appropriately by developing institutional policies and guidance documents
- Share examples of strategies that can be used to change protocols either through VVC or administrative review while also meeting the documentation standard of the Guidance
- Discuss how to create standard operating procedures for common experimental procedures, including the pros and cons of having pre-approved procedures
- Explore reasons why some institutions have chosen to not implement the Guidance

C12 Galerie 6

**Training: What OLAW and USDA Expect of IACUCs**  
*(Training and Qualifications Track)*

Elizabeth Goldentyer, Susan Silk

Assured institutions and registered research facilities are expected to provide education and training on the humane practice of animal care and use, and on research or testing methods that minimize the number of animals required to obtain valid results and to minimize animal distress. During this session, speakers and attendees will:

- Explore ways to provide effective education and training with high levels of retention
- Discuss ideas for developing retraining as a positive experience
- Review how the IACUC’s job relates to the guidelines and regulations

5:45-6:45 PM Studios & Preservation Hall Foyer

**IACUC17 Welcome Reception**

Join us to celebrate the opening day of IACUC17. During this time, you’ll be able to meet the conference Supporters and Exhibitors. Light refreshments will be served.

5:45-6:45 PM Studios Foyer

**Meet the IACUC17 Poster Authors**

Visit with the authors of the posters featured in the IACUC17 Poster Program and learn more about their innovative and important work in the field, as well as the implementation of programs to improve the functioning of IACUCs. The presentation of the posters promotes interdisciplinary sharing and collaboration, and facilitates the exchange of ideas, information, and practical strategies for managing the many challenges faced by animal care and use professionals. Light refreshments will be served.

5:45-6:45 PM Galerie 1

**Roundtable Discussions**

Want to get answers and solve problems while connecting with your peers? During this activity, participants can present an issue or question they have to the group, and members of the group will collaborate and share their own experiences with similar problems. Tables will be divided by general topics and led by experienced facilitators. Groups will include: Career/Leadership/Management; Compliance/Federal/Legal/Regulatory; IACUC Administration; IACUC Chairs and Members; and Nonaffiliated IACUC Members. Pre-registration is required, but attendees may come onsite to fill any open seats that might be available.

7:15-8:15 PM Off-site: Saint Lawrence

**Young Professionals Networking Reception**

Connect with other young professionals interested in research ethics and animal care and use, and relax after a busy day in New Orleans at Saint Lawrence (219 N. Peters Street, New Orleans, LA, 70130). Don't forget to bring the drink ticket you received with your registration materials! While all attendees are welcome, complimentary drink tickets will be provided for young professional registrants only.

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**Icon Key**

- **didactic session**
- **interactive workshop**
- **recorded session**
Tuesday, March 21

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| 7:00 AM    | Preservation Hall Foyer | Registration (Help Desk only)  
Breakfast on your own. |
| 8:00-8:05 AM | Acadia Ballroom   | Welcome from the IACUC17 Co-Chairs  
Jori K. Leszczynski, Natalie L. Mays |
| 8:05-8:10 AM | Acadia Ballroom   | Membership Update  
David J. Lyons, PhD, Member, PRIM&R’s Membership Committee |
| 8:10-8:15 AM | Acadia Ballroom   | CPIA® Update |
| 8:15-9:00 AM | Acadia Ballroom   | Keynote Address: Integrating Systems Biology and Public Health to Implement 3Rs - What Have We Learned and What Do We Need to Do?  
Elaine M. Faustman, PhD, Professor, Department of Environmental and Occupational Health Sciences; Director, Institute of Risk Analysis and Risk Communication, University of Washington |
| 9:00-10:15 AM | Acadia Ballroom   | Panel II: Overcome the Fear: The Life Changing Magic of Tidying Up Your Animal Care and Use Program  
Moderator: Sally Thompson-Iritani  
Panelists: Joel S. Brown, William G. Greer, Mindy Hollander  
What contributes to risk aversion? What is innate and natural? How do people differ on the risk aversion continuum? How does risk aversion impact an animal care and use program? During this interactive panel, speakers will use various methods to educate the audience about risk aversion/tolerance so attendees can consider the likelihood and consequences of being risk averse/tolerant. In addition, speakers will review what this means for the risk assessment of an animal care and use program, the factors at play when conducting risk assessments, the cost-benefit ratio of a risk assessment, and tools and strategies for facilitating risk assessments that are useful for improving programs versus creating additional burden. |
| 10:15-10:45 AM | Studios & Preservation Hall Foyer | Beverage Break with the Supporters and Exhibitors  
Thank you to a-tune software, Inc. for supporting this break. |
| 10:45 AM    | Breakout Sessions – Series D | |
| 10:45 AM - 12:00 PM | Studio 4 | Breakout Sessions – Series D  
Reaching a Consensus on Studies that May Involve Unalleviated Pain and Distress (Animal Well-Being and the 3Rs Track)  
Larry Cartone, Barbara A. Garibaldi, Joanne Tetens-Woodring  
The IACUC is obliged to weigh the objectives of a study against potential animal welfare concerns. This includes studies that involve unalleviated pain and distress, and this session will review how IACUCs can evaluate the ethical justification for approving Category E studies, the necessity of withholding analgesia, and how untreated pain and distress might affect data. Attendees should have an understanding of USDA Pain Category E and animal studies that are commonly classified as Category E (e.g., sepsis/infectious diseases, autoimmune diseases, and arthritis models). During this session, speakers will:  
• Use specific examples to discuss individual and collective responsibilities, the development and validation of humane intervention points and endpoints (including Category E endpoints), and the implementation and assessment of specific measures for minimizing pain and distress  
• Explore the use of observation to optimize animal welfare |
Tuesday, March 21

D2  Studio 3
Advanced
For VA and Non-VA Alike: Questions that Keep Coming Back (Communication and Networking Track)
Alice Huang, M.A. McCrackin, Joan T. Richerson

Some questions just never seem to go away. It can help to look at them in a different way, so this session will turn things around by conducting part of this workshop like the TV game show “Jeopardy.” Speakers will give attendees some facts and ask them to provide the questions that they answer. Some categories of topics that may come up include: IACUC membership, semiannual inspections, timelines, memoranda of understandings, and the Guide. (Unlike the game show, we will not be able to solve the budget constraints that anyone is struggling with, but we’ll come up with some kind of fitting prizes!). The office of the Chief Veterinary Medical Officer of the VA provides guidance to the 70+ VA facilities with animal research programs. All of these are required by VA policy to comply with the USDA, APHIS Animal Care and PHS Policies, just as non-VA institutions do, so there will be plenty of useful information for participants from any institution, although speakers will address a few VA-specific points as well. Of course, discussion is always encouraged, and speakers will save some time to address other questions that attendees may have. During this session, faculty and attendees will:

- Enhance understanding of confusing regulatory requirements by prompting participants to view them from another perspective
- Explore the practical implications and limits of regulatory requirements
- Summarize recent developments in VA oversight of animal research

D3  Galvez
Open Forum for Nonaffiliated/Non-Scientific IACUC Members (Communication and Networking Track)
Janet D. Stemwedel, Venita Thornton (OLAW resource person), Kathy Wadsworth

This interactive session will provide a forum for nonaffiliated/non-scientific IACUC members to discuss issues that arise when carrying out their duties reviewing research involving animals. During this session, speakers and attendees will:

- Review the roles and responsibilities of nonaffiliated/non-scientific IACUC members
- Share resources to help navigate protocol review, engagements with principal investigators and scientific members, and the task of giving voice to the public in deliberations
- Explore other issues raised by attendees during the session

D4  Studio 5
The IACUC’s Role in Reviewing Nonhuman Primate (NHP) Research Protocols (Hot Topics and Emerging Trends Track)
Kate C. Baker, Diana Gordon, Heather Sidener

The use of NHPs in research is under pressure these days: many are arguing against the use of NHPs given their commonalities with humans and despite claims that research with NHPs is crucial to continuing advances in biomedical research. What is the IACUC’s role in reviewing research with NHPs, and how does it consider both sides of the debate? What are the ethical issues of continuing research with NHPs and what are the promises? During this session, speakers will:

- Provide an overview on the contributions of NHPs to biomedical advances and discuss the future need of this type of research
- Discuss what’s unique about research with NHPs
- Explore the unique housing and care requirements of NHPs
- Address the USDA exemption requirements for research with NHPs
- Review the harm-benefit analysis model as it relates to NHPs and possible alternatives
- Share insight on how more transparency is needed when NHPs are included in the development and translation of studies

D5  Bissinet Ballroom
An Open Forum on the USDA, APHIS’ Website Involving Animal Welfare Act (AWA) and Horse Protection Act (HPA) Compliance Information: Recent Changes and What IACUCs Need to Know (Hot Topics and Emerging Trends Track)
Allyson Bennett, Taylor Bennett, Elizabeth Goldentyer, Ryan Merkley, Delcianna Winders

On February 3, 2017, USDA, APHIS removed documents from its website that pertain to the HPA and the AWA and that contain the personal information of those who conduct research involving animals, including inspection reports, research facility annual reports, regulatory correspondence, and certain enforcement records. In a statement on its website, USDA, APHIS says the decision is “based on our commitment to being transparent, remaining responsive to our stakeholders’ informational needs, and maintaining the privacy rights of individuals.” Those who want access to this information will need to obtain it through Freedom of Information Act (FOIA) requests. During this session, speakers and attendees will:

- Review USDA, APHIS’ decision to remove these documents from their website
- Consider the potential implications of only making this information accessible through FOIA requests (e.g., administrative burden, difficulty in analyzing trends, etc.)
- Explore the impact of this decision on public attitudes toward animal research

The CPIA update will be given by Marcy A. Brown, BS, MA, LSSBB, CMAR, CPIA, Chair, CPIA® Council.
Tuesday, March 21

D6
Studios 1 and 2
**Meeting the Challenges in IACUC Administration: Case Studies in Handling Complex Issues/Situations**  
*(IACUC Administration/Management and Process Track)*  
Marcy A. Brown, Deb A. Frolicher, Eileen M. Morgan, William S. Stokes

To get the most out of this session, attendees should have a thorough understanding of all regulations, guidelines, and policies associated with laboratory animal care and use prior to attending this session. During this session, speakers and attendees will:

- Discuss and analyze simulated, problematic scenarios in IACUC administration
- Formulate possibilities for resolution without conflict
- Discuss potential solutions to the problem while maintaining compliance
- Address specific scenarios attendees have faced and wish to explore with the group

*This is a double session and will go until 1:15 PM. Please get your boxed lunch in Galerie 1-3 before going to the session room.*

D7
Galerie 6
**Effectively Identify and Track Departures: Meeting OLAW and USDA Requirements**  
*(IACUC Administration/Management and Process Track)*  
Patricia A. Brown, Mindy Hollander, Elizabeth Meek

In advance of this session, scenarios will be available via the conference website, and attendees are encouraged to review them before arriving onsite to more actively engage in the discussion. During this session, speakers and attendees will:

- Understand the meaning of “departure” based on the PHS Policy and the Animal Welfare Act and Regulations
- Review OLAW and USDA’s reporting requirements for departures
- Outline ways to track departures for reporting purposes
- Evaluate case studies and scenarios surrounding departure reporting

*This is a double session and will go until 1:15 PM. Please get your boxed lunch in Galerie 1-3 before going to the session room.*

D8
Galerie 4
**IACUC Deliberations Using Wildlife Scenarios**  
*(Not Your Average IACUC Track)*  
John A. Bryan, ll, Robert M. Gibbens, Brent C. Morse (OLAW resource person), Robert S. Sikes, Tracy A. Thompson

This session will use scenarios as learning tools for principal investigators and IACUCs, including those focused on taxa ranging from fish to mammals. Participants should have a thorough understanding of the applicable policies and regulations for working with wildlife before attending this session *(attendees without such knowledge are encouraged to attend session A8: IACUC Basics for Wildlife in Research and Education).* During this session, speakers and attendees will:

- Discuss situations where specific guidance is not often available either because the situation is new or unique, or because relevant information does not exist for the species under study
- Share practical strategies for handling similar problems in different wildlife species
- Evaluate euthanasia options for a variety of animals and situations
- Consider activities that include personnel conducting both management and research activities on the same animals

*This is a double session and will go until 1:15 PM. Please get your boxed lunch in Galerie 1-3 before going to the session room.*

D9
Studios 7 and 8
**Connecting the Programs: Occupational and Environmental Health and Safety (OEHS), the IACUC, and the IBC**  
*(Program Management Track)*  
Angela Birnbaum, John F. Bradfield, Alison D. Pohl

This session will explore ways to build strong relationships with and enhance cooperation among institutional oversight bodies involved with OEHS. Where the regulatory issues governing the use of animals and the use of recombinant DNA overlap and intersect, it is important for the various committees and programs to have strong relationships, and to work collaboratively within their areas of authority to ensure effective and efficient review/approval of research activities. Attendees should have a good understanding of the Guide’s recommendations on occupational health and safety, a basic understanding of the committees involved in regulatory oversight of hazards, and experience with efforts to coordinate safety reviews at the IACUC level before attending this session. During this session, speakers and attendees will:

- Review the regulatory overlap/intersections among OEHS, the IACUC, and the IBC
- Identify particular points in the review process that increase burden and have no corresponding gain in the ethical and regulatory compliant care and use of animals
- Discuss how effective partnerships can benefit each committee, principal investigators, and the institution
- Explore best practices in the management of compliance committees and OEHS, including how to exchange information swiftly and effectively
- Share strategies for ensuring all of the steps in the process have been completed – establishing a ‘gatekeeper’
- Address various OEHS issues to illustrate how the hazard survey and risk assessment processes influence OEHS program intensity and complexity
- Go over the roles of the principal investigator (scientific staff) and/or expert consultants within these committees and programs
- Provide information on how to identify, handle, and track chemical and novel agents used in animals in research

*This is a double session and will go until 1:15 PM. Please get your boxed lunch in Galerie 1-3 before going to the session room.*
Tuesday, March 21

**D10**

Galerie 5

**Successful Strategies for Post-Approval Monitoring (PAM) Programs**  
*(Program Management Track)*

Tanise L. Jackson, Sally Thompson-Iritani

Despite there being no prescriptive regulatory expectations for PAM, many institutions are embracing PAM as a useful means for assuring animal welfare and institutional compliance. In addition, many institutions are implementing initiatives that fall under the intention of PAM. During this session, speakers and attendees will:

- Discuss how a PAM program includes management of the whole lifecycle of the protocol
- Review the factors that can affect the success of a PAM program, including: an appreciation of the organizational philosophy and culture; the style, character, pertinent content, authority, and reporting structure of a PAM program; and the collaborative engagement of scientific colleagues
- Explore the facets of a successful PAM program from conception to delivery that can assure the proficient and humane implementation of animal procedures in accordance with approved protocols; foster the continuing education of users; and integrate new techniques to benefit scientific outcomes
- Identify things already being done at institutions that are part of the PAM intent to help further address the gaps

_This is a double session and will go until 1:15 PM. Please get your boxed lunch in Galerie 1-3 before going to the session room._

**D11**

Studio 10

**The IACUC’s Role in the Use of Controlled Substances**  
*(Program Management Track)*

Alan J. Clesi, Patrick Lester, Kelé Piper, Simone R. Tomlinson (USDA resource person)

The vast majority of IACUCs have to deal with controlled substance issues on a regular basis, but do they have the expertise needed? This session will provide a primer on the basic regulations involving controlled substances. During this session, speakers will:

- Define controlled substances, the corresponding US Drug Enforcement Administration (DEA) schedules, and drug diversion
- Review the Controlled Substance Act and regulations, as well as the role of the DEA
- Discuss the importance of considering additional state requirements, as well as institutional policies on controlled substances
- Explain the steps required for a principal investigator to obtain controlled substances, including requirements for and examples of registration applications, vendor account creation applications, procurement forms, accountability logs, biennial inventories, and disposal forms
- Address procurement gaps, appropriate storage and diversion risks, as well as provide an example checklist for controlled substances that can be used during IACUC semiannual inspections or program review

**D12**

Studio 9

**Ensuring Congruency Between Grants and Protocols**  
*(Protocol Review Track)*

Michelle Aparicio, Doreen H. Bartlett, Diane M. Marbury

Institutions receiving federal funds to support animal research must verify the animal activities described in a grant proposal have been approved by the institution. During this session, speakers will:

- Briefly define the requirements for congruence among grants, contracts, and protocols
- Discuss the various mechanisms for developing and implementing a program to accomplish this congruency, as well as to perform comparative reviews
- Identify the roles and responsibilities of the institution, the principal investigator, and the IACUC in facilitating compliance with grant policies, as well as how just-in-time may affect the conduct of the review
- Review the grant policy requirements of the NIH, National Science Foundation, Department of Defense, and VA as they relate to research, teaching, and testing of vertebrate animals

**12:15-1:15 PM**  
Galerie 1-3

**Networking Lunch**

Time to connect…over lunch! Meet peers for conversation and networking. All are welcome!

**12:15-1:15 PM**  
Bissonet Ballroom

**CPIA® Networking Lunch**

Do you hold the CPIA credential and have an interest in connecting with other CPIAs? If so, please join the CPIA Council and PRIM&R staff at this special networking lunch. We’ll discuss recertification and answer any of your other questions. _If you do not currently hold the CPIA credential, but are interested in taking the exam or learning more about the program, attend session C7: The Nuts and Bolts of the CPIA® Credential: Obtaining the Credential and Recertifying on March 20, 4:15-5:30 PM. Pre-registration is required for lunch._
Tuesday, March 21

1:30-2:45 PM
Acadia Ballroom
Panel III: The 3Rs: Putting the Principles Into Practice
Moderator: B. Taylor Bennett
Panelists: Christopher Dillon, Jennie Lofgren, Letty V. Medina
During this panel, the speakers will address the original concept of the 3Rs as proposed by Russell and Burch and how this concept has evolved over time. Panelists will also explore the programmatic compliance requirements for implementation of the 3Rs, strategies used to approach 3Rs implementation across various segments of the biomedical research community, and challenges and opportunities for implementation of the 3Rs in those segments of the biomedical research community.

2:45-3:00 PM
Studios & Preservation Hall Foyer
Beverage Break with the Supporters and Exhibitors

3:00-4:15 PM
Breakout Sessions – Series E

E1
Studio 4
Panel III Follow-Up: The 3Rs – Strategies and Approaches
(Animal Well-Being and the 3Rs Track)
B. Taylor Bennett, Christopher Dillon, Jennie Lofgren, Letty V. Medina
This session will provide attendees with an opportunity to hear more from and ask questions of the panelists from Panel III. During this session, speakers and attendees will:
• Review the original concept of the 3Rs as proposed by Russell and Burch and how that concept has evolved over time
• Discuss the programmatic compliance requirements for implementation of the 3Rs
• Explore strategies used to approach 3Rs implementation across various segments of the biomedical research community and go over potential challenges
• Address the IACUC’s perspective on identifying gaps in the 3Rs and share possible solutions

E2
Studios 7 and 8
Time to Connect: A Conversation With the NIH OLAW and USDA, APHIS, Animal Care
(Communication and Networking Track)
Patricia A. Brown, Elizabeth Goldentyer, Neera V. Gopee, Elizabeth Meek, Nicolette Petervary, Venita Thornton
Join us for this session where attendees can speak with and ask questions of representatives from the NIH OLAW and USDA, APHIS, Animal Care. OLAW provides guidance and interpretation of the PHS Policy on Humane Care and Use of Laboratory Animals, supports educational programs, and monitors compliance with the PHS Policy by assured institutions and PHS funding components to ensure the humane care and use of animals in PHS-supported research, testing, and training. And, for more than 50 years, Congress has entrusted APHIS with the stewardship of animals covered under the Animal Welfare Acts. APHIS continues to uphold that trust, giving protection to millions of animals nationwide, and provides leadership for determining standards of humane care and treatment of animals, implements those standards, and achieves compliance through inspection, education, cooperative efforts, and enforcement. This session will provide an opportunity for attendees to:
• Ask questions of representatives of the NIH OLAW and USDA, APHIS, Animal Care
• Participate in an open discussion about issues relevant to NIH OLAW and USDA, APHIS, Animal Care stakeholders
• Learn more about the top deficiencies reported to NIH OLAW and USDA, APHIS, Animal Care and how each organization handles these reports

E3
Studio 9
Scientific and Ethical Considerations on the Use of Gene Editing Technologies to Modify Animal Genomes for Research: What IACUCs Should Know
(Hot Topics and Emerging Trends Track)
David J. Lyons, Carolyn P. Neuhaus
During this session, speakers will discuss gene editing in research animals and its impact on IACUCs, including the science, policy, and ethical challenges from the widespread use of technologies, such as CRISPR/Cas9, TALENS, and “zinc fingers.” During this session, speakers will:
• Discuss the science and ethical and welfare issues behind gene editing
• Outline how these technologies could change the use of animal models and how the optimal models for research would be chosen
• Explore the potential effect gene editing could have on expanding the numbers of animals and variety of species that could be used in biomedical research
• Address the ethical issues that should be considered before expanding the use of these technologies in animal species that are not currently used in biomedical research
• Review how gene editing intersects with IACUC concerns
Tuesday, March 21

**E4**  
Reserved for Late-Breaking Session

**E5**  
*Life After Research: What You Need to Know About Retiring Research Animals*  
(*Hot Topics and Emerging Trends Track*)  
_Lynn Keller, Kathleen M. Roellich_  
During this session, speakers will:
- Outline the legal, ethical, and financial issues that can occur with retiring research animals (e.g., current risks, institutional reputation, releasing animals into the public domain, transparency, etc.)
- Review the processes for retiring research animals other than nonhuman primates, and the steps an institution must consider in preparing to retire research animals
- Identify key institutional stakeholders and lines of authority in the retirement process
- Address nondisclosure (i.e., how long are the animals the responsibility of the institution and what happens when a sanctuary or rescue organization goes out of business?)
- Explore methods to measure success of retiring research animals and long term follow-up

**E6**  
*What Is the IACUC Administrator’s Role Before, During, and After an AAALAC Site Visit?*  
(*IACUC Administration/Management and Process Track*)  
_Mary Jo Shepherd, Donna M. Zyry_  
During this session, speakers and attendees will:
- Examine AAALAC’s new Program Description format (i.e., what’s different?) and share methods for preparation and review
- Explore the feasibility of using “mock site visits” focused on IACUC administration
- Review what documents need to be on hand, and who should be available during an AAALAC site visit
- Weigh the pros and cons of an institutional presentation during the opening session of the site visit
- Discuss what might need to happen after an AAALAC site visit

**E7**  
*Helpful Tips for Implementing a Web-Based Protocol Management System*  
(*IACUC Administration/Management and Process Track*)  
_Marcy A. Brown, Jennifer M. Lee, Sally Thompson-Iritani_  
Many institutions are turning to web-based solutions to manage the protocol review and approval process. During this session, speakers will discuss, compare, and contrast their experiences with the various stages of implementing a web-based protocol management system. During this session, speakers will:
- Illustrate how to plan for a web-based protocol management system, including how to evaluate the various options available from home-grown to commercial (e.g., cost, security, data integration with other systems, local support)
- Discuss implementation of a system and how to manage the transition from one system to another (e.g., staffing, IT support, building a local team, timing, process mapping, testing, training, communication with stakeholders)
- Address the importance of making continuing improvements (e.g., monitoring performance, ease and flexibility of implementing changes, adapting to new regulations, streamlining processes, reducing self-imposed regulatory burden, strategies for implementing updates (time, testing, training))

**E8**  
*IACUC Challenges When Farm Animals Are Used in Research and Teaching*  
(*Not Your Average IACUC Track*)  
_Robert M. Gibbens (USDA resource person), Angela J. Phillips, Wendy J. Underwood_  
This session will review the different considerations that arise when farm animals are used in biomedical research as compared to agricultural research or teaching. Topics will include differences in husbandry of animals, as well as routine practices. During this session, speakers will:
- Address protocol differences with regard to routine procedures (e.g., castration, etc.)
- Review issues related to daily maintenance, transport, and handling
- Discuss the re-use of animals
- Explore potential occupational health and safety concerns
Tuesday, March 21

E9
Galerie 6

Inter-Institutional Collaborations and Memoranda of Understandings (MOUs): What Are We Responsible For? (Program Management Track)
Carol Clarke, William G. Greer, Grant Lyon, Eileen M. Morgan
This session will focus on the various partnerships that can be forged between academic and other types of research institutions, and how to ensure animal welfare and appropriate oversight when two different institutional cultures collide. During this session, speakers will:
• Define inter-institutional collaborations and review the regulatory requirements that require attention
• Outline the primary components of a MOU and who initiates the process (e.g., the grantee, the subcontractor, or both)
• Provide strategies for identifying collaborations, and discuss when collaboration necessitates a MOU (e.g., for PHS studies when custom antibodies are being made commercially, when institutions subcontract a portion of a project, and/or when a principal investigator oversees a project outside the home institution)
• Share practical examples and templates of MOUs, as well as experiences and ideas about managing collaborations across institutions

E10
Galerie 5

Using Data to Evaluate and Improve Your Animal Care and Use Program (Program Management Track)
Debra L. Hickman, Mégan Losh, Helen O’Meara
This session will focus on using data to help in the evaluation of an animal care and use program and in setting priorities on which changes might have the biggest impact in reducing regulatory burden. During this session, speakers and attendees will:
• Discuss the types of data that can be collected to evaluate an animal care and use program
• Review how data can be helpful in prioritizing where improvements can be made to reduce regulatory burden
• Share strategies for evaluating the impact of changes

E11
Studios 1 and 2

Sally E. Light, Justin A. McNulty, Toni O’Connell
Regulatory burden can divert scarce research resources into non-research endeavors. Attendees should have a strong understanding of IACUC administration before attending this session. During this session, speakers and attendees will:
• Review sources of regulatory and self-imposed regulatory burden
• Discuss appropriate application of the regulations
• Explore strategies to reduce self-imposed regulatory burden without sacrificing compliance and animal welfare

E12
Galerie 4

Enhancing IACUC Function Through Improved Collegial Interaction (Training and Qualifications Track)
Clarissa Dirks, Mindy Hollander, Donna Matthews Jarrell, Susan Silk
This session will address how members of diverse committees can work together to improve overall committee/group function by creating an inclusive working environment. Participants will reflect on their own life experiences and the benefits and challenges that diverse groups bring to the work setting. During this session, speakers and attendees will:
• Explain the benefits and challenges of diversity in your committees
• Reflect on a personal definition of diversity
• Describe unconscious bias and stereotype threats, and articulate the implications on learning
• Identify participant perspectives on exclusion in committees
• Develop strategies for inclusive instruction for all participants
Speakers List

A

Michelle Aparicio, BS, CPIA Director, IACUC and IBC, Office of Animal Welfare, Feinstein Institute for Medical Research, Northwell Health. A10, D12.
Rebecca D. Armstrong, DVM, PhD Director, Research Subject Protection, University of California, Berkeley. B12.
Chieko Azuma, DVM, PhD, DACVR, CPIA Specialist, IACUC/IBC, Office of Research, University of Massachusetts Medical School. A11.

B

George F. Babcock, PhD Professor; IACUC Chair, Department of Surgery, University of Cincinnati College of Medicine; Deputy Director of Research, Shriners Hospitals for Children. B4.
Kate C. Baker, PhD Behavioral Biologist, Tulane National Primate Research Center; Research Professor, Veterinary Medicine/Psychology, Tulane University. B2, D4.
Ron E. Banks, DVM, DACAW, DACLAM, DACVPM, CPIA Director, Office of Animal Welfare Assurance, Duke University. Pre-con: Beyond the Basics.
Robert Wayne Barbee, PhD Professor, Department of Emergency Medicine and Physiology/Biophysics; IACUC Chairperson, School of Medicine, Virginia Commonwealth University. Panel I.
Doreen H. Bartlett, BS, AA, RVT, LATg Senior Assurance Officer, Division of Assurances, NIH, OLAW. A10, C8 (resource), D12.
Kathryn Bayne, MS, PhD, DVM, DAACLAM, DACAW, CAAB Executive Director, AAALAC International. A5 (resource), C1.
Jennifer Beninson, DVM Clinical Veterinarian, Institute of Comparative Medicine, Columbia University Medical Center. B2.
Allyson J. Bennett, PhD Associate Professor, Psychology; Faculty Director, Animal Program, University of Wisconsin-Madison. A5, C2, D5.
B. Taylor Bennett, DVM, PhD, DAACLAM, DACAW Management Consultant; Senior Scientific Advisor, National Association for Biomedical Research. A5, B8, C10, Panel III, D5, E1.
Angela Birnbaum, MPH Director of Biosafety, Office of Biosafety, Tulane University. D9
John F. Bradfield, PhD, DVM, DAACLAM Senior Director and Veterinarian, AAALAC International Pre-con: IACUC 101, A2, C5 (resource), D9.
Joel S. Brown, PhD Distinguished Professor of Biology, Department of Biological Sciences, University of Illinois at Chicago. Panel I, Panel II.
Marcy A. Brown, BS, MA, LSSBB, CMAR, CPIA Animal Welfare Regulatory Compliance Lead, Comparative Medicine, Pfizer Worldwide Research and Development. Pre-con: EIA, D6, E7.
Marilyn J. Brown, DVM, MS Executive Director, Animal Welfare and Training, Charles River Laboratories. Pre-con: IACUC 101.
Patricia A. Brown, VMD, MS Director, NIH, OLAW. Panel I, A5, C11, D7, E2.
John A. Bryan, II, DVM, MS Chair, Animal Care and Use Committee, American Society of Mammalogists. A8, D8.

C

Larry Carbone, DVM, PhD, DACAW, DAACLAM Director, Animal Care and Use Program; Senior Veterinarian, Lab Animal Resource Center, University of California, San Francisco. Panel I, B5, D1.
Alan J. Cleisi Diversion Investigator, New Orleans Field Division, United States Drug Enforcement Administration. D11.
Nancy D. Connell, PhD Professor and Director of Research, Department of Medicine, Division of Infectious Disease, Rutgers New Jersey Medical School. A12, D12 (resource).
Shay Cook, BA, RVT, LATg, CPIA Research Compliance Analyst, Office of Animal Care and Use, University of California, Berkeley. A9.

D

Christopher Dillon, BA, LATg, CPIA Executive Director, Compliance; IACUC Chair, Corporate Administration, MPI Research. Panel III, E1.
Clarissa Dirks, PhD Professor of Biology, The Evergreen State College. Panel I, A12, B12 (resource), E12.
Georgina Dobek, DVM, DAACLAM Director, Department of Comparative Medicine, Tulane University. A1, C1.

F

Elaine M. Faustman, PhD Professor, Department of Environmental and Occupational Health Sciences; Director, Institute of Risk Analysis and Risk Communication, University of Washington. Keynote: March 21.
Craig L. Franklin, DVM, PhD, DAACLAM Professor, Department of Veterinary Pathobiology, College of Veterinary Medicine; Director, Mutant Mouse Resource and Research Center; Director, Comparative Medicine Program; Director, Veterinary Research Scholars Program, University of Missouri. Keynote: March 20.
Barbara A. Garibaldi, DVM, DACLAM Director, Animal Research Facility, Beth Israel Deaconess Medical Center. B9, C6, D1.

Robert M. Gibbens, DVM Director, Animal Welfare Operations, USDA,APHIS, Animal Care. A8 (resource), B7 (resource), C10, D8, E8 (resource).

Cynthia “Cyd” S. Gillett, DVM, DACLAM, CPIA Director, Research Animal Resources, University of Minnesota. Pre-con: IACUC 101.

Betty Goldentyer, DVM Director, Animal Welfare Field Operations, USDA,APHIS, Animal Care. A7 (resource), B8 (resource), C12, D5, E2.

Neera V. Gopee, DVM, PhD, DACLAM, DABT Veterinary Medical Officer, Division of Compliance Oversight/Assurances, NIH, OLAW. Pre-con: IACUC 101, A1 (resource), C4 (resource), E2.


Ken Gordon Executive Director, Northwest Association for Biomedical Research. C2.

Andrew W. Grady, DVM, MS, DACLAM Attending Veterinarian and Director, Center for Comparative Research; Professor, Department of Microbiology and Immunology, University of Mississippi Medical Center; Contract Veterinary Officer, G.V. Sonny Montgomery Veterans Affairs Medical Center; Adjunct Professor, Department of Clinical Sciences, Mississippi State University College of Veterinary Medicine. Panel I, C9 (resource).

Molly Greene, BA, CPIA IACUC Advisor, Michigan State University; Co-founder and Faculty, Essentials of IACUC Administration. Pre-con: IACUC 101.

William G. Greer, BS, CPIA, LAT Assistant Vice President for Research, Animal Program Compliance Oversight; Director, Animal Care and Use Office, University of Michigan. Pre-con: Beyond the Basics. A12, B12 (resource), Panel II, E9.

Phillip Harris Professor and Curator of Fishes, Biological Sciences, The University of Alabama. B10, C8.

Caryn Hashimoto, BS, CPIA Compliance Officer/PAM Specialist, University of Hawaii At Manoa. C7.

Joseph R. Haywood, PhD Assistant Vice President for the Office of Regulatory Affairs; Professor, Pharmacology and Toxicology, Michigan State University. Working lunch.

Jo Ann Henry, LATg, CPIA Regulatory Compliance Coordinator, IACUC, NYU Langone Medical Center. B3, C6.

Debra L. Hickman, DVM, MS, DACLAM, DACAW Director, Laboratory Animal Resource Center; Associate Research Professor, Indiana University. B2, C4, E10.

Mindy Hollander, MS, CPIA IACUC Program Coordinator, Office of Research Integrity and Compliance, West Virginia University. Panel I, A12, Panel II, D7, E12.

Alice Huang, PhD, CPIA Staff Scientist and Deputy for IACUC Guidance, Office of the Chief Veterinary Medical Officer, Office of Research and Development, Department of VA. D2.

Tanise L. Jackson, DVM, DACLAM, CPIA Director, Animal Welfare and Research Integrity, Division of Research, Florida A&M University. B11, C3, D10.

Mary Lou James BA, LATg, CPIA Consultant, Regulatory Compliance; President, IACUC 101™ Series, Research Animal Welfare. Pre-con: IACUC 101.

Donna Matthews Jarrell, DVM, DACLAM Attending Veterinarian and Director, Center for Comparative Medicine, Massachusetts General Hospital. A9, C3, E12.

Sandra L. Jensen, MS, RLATg, CPIA IACUC Manager, Office of Research, Medical College of Wisconsin. B6.

Claire R. Johnson, MS IACUC Administrator, Office of the Vice Provost for Research, Tufts University/Tufts Medical Center. B12.

Anneke Keizer, MBA, LATg, ILAM Co-owner and Founder, COPE+. A4.

Lynn Keller, VMD, MS, DACLAM Group Director, Veterinary Sciences, Bristol-Myers Squibb. E5.

Robert Kesterson, PhD Professor of Genetics; Director, Transgenic and Genetically Engineered Models; Chair, IACUC, University of Alabama at Birmingham. B4.

Elaine K. Kim, BS, CPIA Senior IACUC Coordinator, Research Integrity and Compliance Review Office, Colorado State University. B7.

Jennifer M. Lee, BS, CPIA Assistant Director, Office for Animal Care and Use, University of California, Berkeley. E7.

Patrick Lester, B.S.Pharm., DVM, MS, BCPS, DACLAM Assistant Professor, Unit for Laboratory Animal Medicine, University of Michigan. D11.

Jori K. Leszcynski, DVM, DACLAM Director for the Office of Laboratory Animal Resources; Associate Professor of Pathology, School of Medicine, University of Colorado at Denver. A3, C11.

Sally E. Light, BA, CPIA IACUC Administrator, Office of Regulatory Affairs, Michigan State University. E11.

Jennie Lofgren, DVM, MS, DACLAM Clinical Assistant Professor; Associate Attending Veterinarian, Unit for Laboratory Animal Medicine; Co-Founder, Refinement and Enrichment Advancement Laboratory, University of Michigan Medical School. A1, Panel III, E1.

Mégan Losh, MPA, CPIA Director, IACUC, School of Medicine, Indiana University. E10.


David J. Lyons, PhD Director, IACUC and Animal Welfare Program, Wake Forest University School of Medicine. E3.
Diane M. Marbury, CRA  Director, Pre Award, Grants Management Office, Northwell Health. D12.

Monte Matthews, BA, CRA  Director, Animal Welfare Services; Director, Terrestrial Animal Care Services, University of Oregon. Pre-con: IACUC 101, A7, C8.

Natalie L. Mays, BA, LATg, CPIA  Director, Office of the IACUC and IBC, New York University School of Medicine; Member, PRIM&R Board of Directors. B6, C3.

M.A. McCrackin, DVM, PhD, DACVS, DACLAM, CMAR  Veterinary Medical Officer; Special Consultant on Regulatory Affairs, Office of the Chief Veterinary Medical Officer, Ralph H. Johnson VA Medical Center; Associate Professor, Comparative Medicine; Director, Surgical Research Laboratory, Medical University of South Carolina. D2.

Justin A. McNulty, MLA, CPIA, RLATg  IACUC and IBC Manager, Office of Research Support & Compliance, The University of Texas at Austin. C7, E11.


Elizabeth Meek, DVM, MPH  Assistant Regional Director, Western Office, USDA,APHIS, Animal Care. Pre-con: IACUC 101, A9 (resource), C5 (resource), D7, E2.

Ryan Merkley,  Director of Research Advocacy, Physicians Committee for Responsible Medicine. D5.

Eileen M. Morgan, BS  Director, Division of Assurances, NIH, OLAW. Pre-Con: IACUC 101, C9, D6, E9.

Brent C. Morse, DVM, DAACLAM  Animal Welfare Program Specialist, Division of Compliance Oversight, NIH, OLAW. B7 (resource), C5 (resource), D8 (resource).

Christina Nascimento, MS, CPIA  IACUC Manager, Department of Research Compliance and Administration, Brigham and Women’s Hospital. B9.

Carolyn P. Neuhaus, PhD  Rudin Post-Doctoral Fellow, Division of Medical Ethics, NYU Langone Medical Center. E3.

Christian E. Newcomer, VMD, MS, DAACLAM  Executive Director Emeritus, AAALAC International; Member, PRIM&R Board of Directors. A5.

Toni O’Connell, CPIA  Regulatory Liaison, Comparative Medicine, Pfizer, Inc. A11, E11.

Helen O’Meara, MS, CPIA  Associate Director, IACUC/IBC, Office of Responsible Research Practices, The Ohio State University. E10.


Nicolette Petervary, VMD  Regional Animal Care Specialist, Eastern Region, USDA, APHIS, Animal Care. E2.


Keilé Pitts, MS, CIP, CHRC  Director, Research Compliance, Beth Israel Deaconess Medical Center. D11.

Marky E. Pitts, CPIA  IACUC Advisor; Co-Founder and Faculty, IACUC 101; Co-Founder and Faculty, Essentials of IACUC Administration. Pre-con: IACUC 101.

Alison D. Pohl, MS, RLATg, CPIA  Research Compliance Monitor II; IACUC Administrator, University of Connecticut Health. D9.

Kiïrsa Pokryfke, BS, CMAR, LATg  Training Core Manager, Unit for Laboratory Animal Medicine, University of Michigan. B12.

Ernest D. Prentice, PhD  Associate Vice Chancellor for Academic Affairs; Professor of Genetics, Cell Biology, and Anatomy, University of Nebraska Medical Center. Pre-con: IACUC 101, C6, A7.

Kevin Prestia, DVM, MPH, DAACLAM  Director, Division of Comparative Medicine; Assistant Professor, Department of Pathology, Office of Science and Research, NYU Langone Medical Center. C9.

Skye Rasmussen, DVM, DAACLAM  Senior Clinical Veterinarian, Division of Comparative Medicine; Assistant Clinical Professor, Department of Pathology, NYU Langone Medical Center. B1.

Jon D. Reuter, DVM, MPVM, DAACLAM  Director, Office of Animal Resources; Attending Veterinarian; Research Professor, Psychology and Neuroscience, University of Colorado at Boulder. A3.


Joan T. Richerson, MS, DVM, MS, DAACLAM, CPIA  Assistant Chief Veterinary Medical Officer, Office of the Chief Veterinary Medical Officer, Office of Research and Development, Research Service, Department of Veterans Affairs. D2.

Kathleen M. Roellich, DVM, MS  Clinical Veterinarian, Animal Resources Center, University of Texas at Austin. E5.

Sandra L. Schneider, PhD  Professor, Department of Psychology, University of South Florida. Working lunch.

Mary Jo Shepherd, DVM, CPIA  Executive Director of the Office of the IACUC, Office of the Executive Vice President for Research, Columbia University. A11, B11, C11, E8.

Heather Sidener, DVM  Head of Clinical Medicine, Division of Comparative Medicine, Oregon National Primate Research Center, Oregon Health & Science University. D4.

Robert S. Sikes, PhD  Professor of Biology; Director, Basic Animal Services Unit, University of Arkansas At Little Rock; President, American Society of Mammalogists. A8, B10, D8.

Susan Silk, MS  Director, Division of Policy and Education, NIH, OLAW. A12, B12 (resource), C12, E12.

Trina M. Smith BS, MS, CPIA  IACUC Compliance Administrator, Office of Research Compliance, Mississippi State University. B6.

Janet D. Stemwedel, PhD  Professor and Chair, Department of Philosophy; Director, Center on Ethics; Non-Scientific Member, IACUC, San Jose State University. Panel I, B10, C3, D3.

Joanne Tetens-Woodring, DVM, MS, PhD, DACVS, DACLAM Director, Attending Veterinarian, Laboratory Animal Medical Services, Office of Research Integrity, University of Cincinnati. D1.

Tracy A. Thompson, DVM Veterinary Medical Officer, Wildlife Health Branch, National Park Service. B7, D8.


Venita B. Thornton, DVM, MPH Senior Assurance Officer, NIH, OLAW. A9 (resource), D3 (resource), E2.

Simone R. Tomlinson, DVM Veterinary Medical Officer, USDA, APHIS, Animal Care. D11 (resource).


Kathy Wadsworth, CIP, CPIA Independent Consultant, Animal Care and Use. D3.

Jason J. Wang, PhD, CPIA Director of Research Integrity and Compliance, Office of Research and Sponsored Programs, California State University Long Beach. C9.

William J. White, VMD, MS, DACLAM, Dip. ECLAM Corporate Vice President, Veterinary and Professional Services (retired), Charles River Laboratories. Henry Spira Memorial Lecture: March 20, C5.

Sandra L. Wilkins, LVT, CPIA, RLATg IACUC Research Liaison, Animal Care Program, Office of Regulatory Affairs, Michigan State University. C7.


Donna M. Zyry, DVM, MS, CPIA Associate Research Fellow, Global Animal Welfare and Compliance, Comparative Medicine, Pfizer Worldwide Research and Development. A9, E6.
Robert Wayne Barbee, PhD, is a professor in the departments of Emergency Medicine and Physiology/Biophysics, and IACUC Chair in the School of Medicine at the Virginia Commonwealth University (VCU). He is also a member of the Johnson Center for Critical Care and Pulmonary Research at VCU. Dr. Barbee has nearly four decades of research experience involving a wide variety of animals (bats, cats, crabs, dogs, rabbits, rodents, and swine) and in a number of experimental settings. His research has focused on circulatory shock and resuscitation, with expertise in the areas of acute and chronic surgery and mammalian hemodynamics. He has been associated with IACUCs at small and medium-sized institutions for over two decades, and is familiar with the oversight of animal care and use programs. He received funding from the American Heart Association, Department of Defense, and NIH. Dr. Barbee was an Oxford, United Kingdom (UK) 2006 fellow (recipient, VCU Harris-Manchester Award), where he examined policies, training, and security issues related to animal care and use within the UK. He also served as a member of the National Academies Committee to revise the Guide, and presently serves as an ICARE faculty member.

B. Taylor Bennett, DVM, PhD, DACLAM, DACAW, currently serves as the senior scientific advisor for the National Association for Biomedical Research. He spent 36 years at the University of Illinois at Chicago overseeing their animal care and use program, and spent the last 10 years there as the associate vice chancellor for research resources, where he was responsible for 14 campus-wide core research support services. Dr. Bennett has been active in a variety of professional organizations, and currently serves on the Board of Directors of the Scientist Center for Animal Welfare and as chair of the Board of Directors of the American Society of Laboratory Animal Practitioners Foundation. Dr. Bennett obtained his DVM from Auburn University and his PhD from the University of Illinois Medical School. Dr. Bennett is a member of the 2017 IACUC Conference Planning Committee.

Joel S. Brown, PhD, is a Distinguished Professor of Biology at the University of Illinois at Chicago, and is a wildlife and evolutionary ecologist. Childhood experiences in Zimbabwe created a love of nature and animals that grew into an academic career. For 30 years, his laboratory and graduate students have worked from A to Z with animals: aardvarks in South Africa and zebra at the Brookfield Zoo in Chicago, Illinois. Collaborations with the Kenyan Wildlife Society (black rhinoceros and Amani sunbirds), South African National Parks Service (springbok, hyraxes, klipspringers, and domestic goats), Snow Leopard Conservancy (snow leopards of Nepal), Ben-Gurion University, Israel (Negev desert wildlife), and Chicago Wilderness and other Chicago organizations (prairie restoration, urban ecology, and squirrels) have cultivated an evolutionary approach to wildlife behaviors, populations, communities, conservation, and, most recently, cancer. With Dr. Robert Gatenby of the Moffitt Cancer Center, Dr. Brown uses game theory to understand the onset and progression of metastatic cancers. This approach views cancer as the evolution of a new single cell, asexual protist. As the cancer cells proliferate and diversify, the tumor becomes an ecosystem populated with distinct cancer cell lineages filling specific ecological niches. The goal is to develop “evolutionarily enlightened” therapies and treatment strategies.

Patricia A. Brown, VMD, MS, DACLAM, is the director of OLAW at NIH. OLAW oversees the use of animals at NIH, the Centers for Disease Control and Prevention, the Food and Drug Administration, the Department of Health and Human Services, the VA, the National Aeronautics and Space Administration, and the National Science Foundation-supported research covered by PHS Policy on Humane Care and Use of Laboratory Animals (PHS Policy); monitors compliance with the PHS Policy; evaluates allegations or indications of noncompliance with federal animal welfare requirements; and supports educational programs that further the humane care and use of research animals. Dr. Brown joined NIH in 1986, and served in clinical and management positions in the NIH intramural program before joining OLAW in 2006 as the director. She received her Bachelor of Science degree in animal science from The Pennsylvania State University and her VMD from the University of Pennsylvania. She served in the United States Air Force and, while on active duty, completed a residency and Master of Science degree in laboratory animal medicine from the Penn State Milton S. Hershey Medical Center.

Larry Carbone, DVM, PhD, DACAW, DACLAM, is the director of the animal care and use program at the University of California, San Francisco, and has worked with laboratory animals for over 35 years in animal husbandry, as a veterinary assistant and as a veterinarian. He holds a DVM and a PhD in history and philosophy of science and technology from Cornell University. His doctoral dissertation is now a book on laboratory animal welfare titled, What Animals Want: Expertise and Advocacy in Laboratory Animal Welfare Policy (2004; Oxford University Press). Dr. Carbone holds specialty board certifications in ACLAM and in the American College of Animal Welfare.

Carol Clarke, DVM, DACLAM, is the research program manager at USDA, APHIS, Animal Care. Dr. Clarke practiced small animal medicine in New York City for 13 years before entering the laboratory animal medicine training program at SmithKline Beecham Pharmaceuticals. Upon completing the program in 1998, she accepted a position with the NIH-Veterinary Resources Program as a primate facility veterinarian. In 2001, she accepted a position with the NIH-National Institute of Allergy and Infectious Diseases (NIAID). During her 10 years with NIAID, she served as IACUC coordinator, vice chair of the rodent gnotobiotic committee, and chief of shared and central facility operations. In addition, she prepared all USDA, OLAW, and AAALAC annual reports. In 2011, Dr. Clarke accepted her current position with the USDA. Her duties entail collaborations with other federal agencies, participation in appeals and enforcement actions, and approval of exemption requests. She also served as project officer for the creation of the National Veterinary Accreditation Program’s Module #26-Nonhuman Primate Transportation. Dr. Clarke became a Diplomate of ACLAM in 2005. She received her bachelor’s degree in the natural sciences from Johns Hopkins University and her DVM from Tuskegee University School of Veterinary Medicine. Dr. Clarke is a member of the 2017 IACUC Conference Planning committee.

Christopher Dillon BA, LATg, CPIA, serves as the executive director of compliance and the IACUC chair at MPI Research. Mr. Dillon is responsible for the oversight of the organization’s Animal Welfare and Compliance Office, Animal Care and Use Program, including the direction of the IACUC and Regulatory and Systems Compliance. He and his staff lead compliance programs throughout the organization with an emphasis on establishing effective and efficient policies and procedures for the identification, correction, and prevention of noncompliance, guided by applicable rules, regulations, and best practices. Mr. Dillon received a bachelor’s degree in philosophy from Western Michigan University and has dedicated
more than 10 years to leadership roles within the life sciences industry. He serves on the Board of Directors for the Michigan Society for Medical Research and the Society for the Prevention of Cruelty to Animals of Southwest Michigan, and he is an active member of the American Association of Laboratory Animal Science, PRIM&R, and the Society of Quality Assurance.

Clarissa Dirks, PhD, is a professor of biology at The Evergreen State College where she currently investigates the distribution and biodiversity of Tardigrada. As a biology education researcher, she investigates how students acquire and master science competencies, and she developed a validated instrument to assess undergraduates’ acquisition of these skills. Dr. Dirks co-authored the book, *Assessment in the College Science Classroom*, and, as part of a larger project with the Social Science Research Council, she co-authored the white paper “Essential Concepts and Competencies for Biology,” which is now a book chapter. She was named a National Academy of Education fellow and a mentor in the Life Sciences. She serves as co-chair of the National Academies Scientific Teaching Alliance Executive Committee and as a member of the National Research Council’s Board on Life Sciences Committee on Education About Research with Dual Use Potential. Dr. Dirks was a member of the Cell Biology Education-Life Science Education Editorial Board and also co-founded the Society for Biology Education Research. She graduated with a bachelor’s degree in microbiology from Arizona State University and earned her PhD in molecular and cellular biology at the University of Washington.

Elaine M. Faustman, PhD, is a professor in the Department of Environmental and Occupational Health Sciences and director of the Institute of Risk Analysis and Risk Communication at the University of Washington. Dr. Faustman directs the National Institute of Environmental Health Sciences (NIEHS)/Environmental Protection Agency (EPA)-funded Center for Child Environmental Health Risks Research. She previously directed the National Science Foundation/NIEHS-funded Pacific Northwest Center for Human Health and the National Institute of Child Health and Human Development (NICHD)-funded Pacific Northwest Center for Human Health and the National Institute of Child Health and Human Development (NICHD)-funded Pacific Northwest Center for the National Children’s Study. She is an elected fellow of the American Association for the Advancement of Science and the Society for Risk Analysis. She served on the EPA Science Advisory Board, as chair for the National Academies of Science Committee on Developmental Toxicology, and as a member for the NIEHS-National Toxicology Program (NTP) Committee on Alternative Toxicity Methods. Previously, she served on the NIEHS-NTP Board of Scientific Counselors, National Research Council Committee on Toxicology, and the Institute of Medicine Upper Reference Levels Nutrient Subcommittee of the Food and Nutrition Board. She served on the executive boards of the Society of Toxicology, the Teratology Society, and NIEHS Council. She just completed her role as Secretary General for the International Union of Toxicology. Her research includes development of decision-analytic tools for communicating new scientific findings for risk assessment and management decisions. She is interested in molecular and cellular mechanisms of developmental, reproductive, and neuro toxicants, characterizing in vitro techniques for developmental toxicity assessment, and development of biologically based dose-response models for noncancer risk assessment. She has published over 200 peer-reviewed research publications and technical reports. Dr. Faustman’s recent research efforts include her leadership as principal investigator for the EPA Predictive Toxicology Center, and her work with the NICHD Health Measurement Network Environmental Domain Working Group and Lifecourse Health Sciences Working Group. Dr. Faustman earned her PhD in pharmacology and toxicology from Michigan State University.

Craig L. Franklin, DVM, PhD, DACLAM, is a professor of veterinary pathobiology at the University of Missouri. In addition, Dr. Franklin directs the Mutant Mouse Resource and Research Center, a NIH-funded repository of genetically engineered mutant mice; the Comparative Medicine Program, a post-DVM laboratory animal medicine residency and advanced degree program; and the Veterinary Research Scholars Program, a summer research program for veterinary students. He is also an associate director of the University of Missouri Metagenomics Laboratory and is a co-investigator for the Rat Resource and Research Center. He has over 25 years of experience in rodent disease models and diagnostics with an emphasis on infectious and intestinal diseases. His current research home, the Comparative Metagenomics Laboratory, studies environmental variables that may modulate rodent microbiota, the impact of differing microbiota on rodent model phenotypes (e.g., inflammatory and neoplastic diseases of the intestine), and methods to practically manipulate and control complex microbiota to optimize model reproducibility. He also performs collaborative studies involving numerous rodent and domestic species models of disease. He has authored or co-authored over 110 manuscripts and book chapters, given approximately 60 invited presentations, and contributed to over 170 posters or seminar presentations at regional or national scientific conferences. Dr. Franklin attended the University of Missouri, where he received his DVM and PhD.

Andrew W. Grady, DVM, MS, DACLAM, is the attending veterinarian and director of the Center for Comparative Research at the University of Mississippi Medical Center (UMMC). Dr. Grady has directed the laboratory animal medicine program at UMMC since 1993, and holds an academic appointment as professor in the Department of Microbiology and Immunology. He also serves as the contract veterinary officer for the G.V. “Sonny” Montgomery Veterans Affairs Medical Center, and is an adjunct professor in the Department of Clinical Sciences at the Mississippi State University (MSU) College of Veterinary Medicine. Dr. Grady is actively involved in institutional service, teaching, and collaborative research projects at UMMC. He has been a member of the AAALAC Council on Accreditation since 2004, serving as assistant section leader, section leader, council vice president and, currently, as council president pro tem. Dr. Grady is a 1986 graduate of MSU College of Veterinary Medicine and went on to complete an Aquatic Animal Medicine Residency through MSU. In 1988, he entered into a NIH Fellowship with the University of Missouri-Columbia, completing a MS in laboratory animal medicine in 1991. He was awarded diplomate status with ACLAM in 1992.

William G. Greer, BS, CPIA, RLAT, is the assistant vice president for research, Animal Program Compliance Oversight at the University of Michigan, where he provides leadership and management of the oversight programs for the protection of animals involved in research. He also directs the Animal Care and Use Office (ACUO). In partnership with the attending veterinarian and the IACUC, Mr. Greer leads the ACUO in fostering an environment of engagement, support, and service to the research community. Mr. Greer works with the IACUC to ensure all animal research is reviewed, approved, and conducted in accordance with all appropriate international, federal, and state regulations and guidelines, as well as with specific guidelines from funding agencies, institutional policies, and appropriate accreditation standards. Mr. Greer joined the University of Michigan in June 2016. He previously worked for The Pennsylvania State University, where he was associate director in the Office of Research Protection.
Mindy Hollander, MS, CPIA, is the IACUC program coordinator in the Office of Research Integrity and Compliance at West Virginia University. Prior to this role, Ms. Hollander established and ran the Animal Models and Imaging Facility at West Virginia University, and this afforded her the experience of being an animal user, which is of great benefit to her current role when dealing with researchers. Ms. Hollander has been a co-chair of the Kuali Coeus IACUC sub-committee at the Kuali Coeus Foundation, which is developing an electronic IACUC protocol system. In addition, she is a subject matter expert/train-the-trainer facilitator for the ICARE Academy. Ms. Hollander received bachelor’s and master’s degrees in kinesiology and physiology, respectively, from the University of Wisconsin-Madison, and she received her CPIA® credential in 2013. Ms. Hollander served on the PRIM&R IACUC Conference Planning Committee in 2015 and 2016, and currently serves on the 2017 committee.

Jennie Lofgren, DVM, MS, DACLAM, is a clinical assistant professor and the associate attending veterinarian at the University of Michigan Medical School. Dr. Lofgren is a co-founder of the Refinement and Enrichment Advancement Laboratory, a collaborative laboratory engaging veterinarians, scientists, students, and technicians in analgesia, enrichment, and social housing research projects. She also serves as the enrichment and social housing committee veterinarian at the University of Michigan. Dr. Lofgren has published 12 journal articles and two book chapters in the fields of laboratory animal science and refinement, and serves as a reviewer for numerous laboratory animal medicine, pain and analgesia, and refinement journals. She received her veterinary and masters of comparative biomedical science degrees from Tufts University. She then completed a post-doctoral fellowship in comparative medicine at the Massachusetts Institute of Technology, where she studied the role of infectious disease in cancer development as well as evaluating animal welfare refinements. Upon achieving ACLAM diplomate status, she pursued a visiting research fellowship with the Pain and Animal Welfare Science Group at Newcastle University, where she engaged in analgesia research and provided clinical support.

Letty V. Medina, DVM, DACLAM, is the director of animal welfare and compliance at AbbVie, Inc. Her primary responsibilities are to ensure that AbbVie adheres to all animal regulations, adopts the most ethical animal research practices, and continues to enhance an ethical culture for animal research with innovative 3Rs initiatives. She is the past chair of the 3Rs Leadership Group of the Consortium on Innovation and Quality in Drug Development (IQ Consortium). Dr. Medina earned her B.S., Biology at the University of Notre Dame, and her DVM from Texas A&M University. She completed her laboratory animal medicine post-doctoral training at the University of Illinois at Chicago, and she is a Diplomate of ACLAM. She is dedicated to promoting animal welfare and the 3Rs as a part of good science.

Jennifer A. Perkins, MA, CPIA, is the director of the Research Safety and Animal Welfare Administration and the institutional contact for Dual Use Research at the University of California, Los Angeles (UCLA). Under her direction, the department has grown from primarily supporting the IACUC to also providing administrative support to the UCLA IBC, Radiation Safety Committees, and other safety committees. Ms. Perkins earned her BA (psychology) from UCLA and her MA (psychology) from California State University, Long Beach. She worked in HIV risk reduction with “hard-to-reach” populations until beginning her career in IACUC administration in 2000.

Janet D. Stemwedel, PhD, is a professor and chair in the Department of Philosophy at San José State University (SJSU). Her teaching and research focus on philosophy of science and ethical issues in scientific research. Dr. Stemwedel has served as the nonscientist member of SJSU’s IACUC since 2007, and became the director of the SJSU Center on Ethics in 2013. Since 2006, she has written about ethics in science, including the ethics of animal research, for outlets including Forbes, Scientific American, and ScienceBlogs. She received a bachelor’s degree in chemistry and philosophy from Wellesley College (1989), and doctorates in physical chemistry (1994) and philosophy (2001) from Stanford University. Dr. Stemwedel is a member of the 2017 IACUC Conference Planning Committee.

Sally Thompson-Iritani, DVM, PhD, CPIA, is the director of the Office of Animal Welfare at the University of Washington (UW), and has been there since 2013. The office has undergone several transitions to increase its alignment and move forward with technology and customer service while maintaining regulatory compliance. The office recently completed an overhaul and conversion to a fully integrated electronic database system for IACUC management, and current projects include Compassion Fatigue Support and a Learning Management System for overseeing training of IACUC members and personnel that interact with animals. Prior to being at UW, Dr. Thompson-Iritani received her DVM from Iowa State University, and received training as a laboratory animal veterinarian and obtained a PhD in environmental toxicology at UW. After that, she held positions in the biotech/pharmaceutical industry in both small and large companies, where she was responsible for preclinical oversight, vivarium management, veterinary care, and IACUC offices for 18 years. Dr. Thompson-Iritani’s particular interests include an emphasis on animal welfare while maintaining compliance, scientific integrity, and researcher support in the various types of areas where these intersect, such as education, biomedical, field, and conservation research. Dr. Thompson-Iritani is a member of the 2017 IACUC Conference Planning Committee.

William J. White, VMD, MS, DACLAM, Dip. ECLAM, was the corporate vice president of Veterinary and Professional Services at Charles River Laboratories (retired 2016). Prior to joining Charles River Laboratories, Dr. White was a tenured associate professor of comparative medicine of the College of Medicine at the Milton S. Hershey Medical Center, where he conducted basic research in a number of areas involving the effects of environmental variables on laboratory animals and laboratory animal anesthesia. He joined Charles River Laboratories in 1988 as the director of Professional Services and subsequently held a number of positions including, most recently, corporate vice president for Veterinary and Professional Services. In that capacity, he oversaw the corporation’s worldwide diagnostic and professional services activities, as well as its corporate biosecurity program. While at Charles River, he led corporate research programs in environmental factors influencing animal performance, as well as other areas involving the care and use of animals in a research environment and rodent production. Dr. White has served as a consultant to numerous institutions, organizations, government agencies, and countries on the design and operation of animal healthcare programs and biosecurity for animal facilities. He has authored or coauthored over 80 peer-reviewed research articles or book chapters. Dr. White has had an ongoing interest in the welfare and safety of laboratory animals and in optimizing the environmental conditions under which they are maintained. He is a member of the Animal Care Team of the International Air Transport Association’s (IATA) Live Animals and
Perishables Board that provides standards for the transportation of over 7000 species of animals. He played the lead role in the development of the new container standards for laboratory animals, as well as in the development of the “Life Science Logistics for Laboratory Animals” chapter in the IATA Live Animals Regulations Manual. Dr. White served on the Institute for Laboratory Animal Research (ILAR) committee that developed the 1996 Laboratory Animal Management Guide for Rodents, and on the ILAR committee that developed the 1996 Guide for the Care and Use of Laboratory Animals. He co-edited the first edition of the ACLAM text on anesthesia and analgesia in laboratory animals, and has been a member of the editorial board of the journal Comparative Medicine. Dr. White received his VMD from the University of Pennsylvania (1970); his MS in laboratory animal medicine from The Pennsylvania State University (1972); and his BS from The Pennsylvania State University (1966). Dr. White is a diplomate of ACLAM and the European College of Laboratory Animal Medicine. He was a past president of ACLAM and the International Association of Colleges of Laboratory Animal Medicine.
Posters Selected for Presentation

PRIM&R is pleased to present the 2017 IACUC Conference Poster Program. Twenty-seven posters* were selected for display throughout the conference. Posters are on display in the Studios Foyer, and the poster abstracts may be accessed via the conference website.

1. Progress Under the Animal Welfare Act in Humane Animal Care from 1966 to the Present
   Carol Clarke, DVM, DACLAM; Dave Sacks; V. Wensley Koch, DVM, DACAW; William Stokes, DVM, DACLAM, DACAW; and Bernadette Juarez, JD
   USDA, APHIS, Animal Care

2. Design and Development of an IACUC
   Sarah Alkandari, BSc
   Dasman Diabetes Institute

3. Animal Research Coordinator Certification: How Disseminating Knowledge Increases Compliance and Efficiency in an Animal Welfare Program
   Scott Bury, PhD, CPIA; Nathan Culley, DVM, DACLAM; Douglas Brandt, DVM, DACLAM; and Michael Taylor, PhD, CPIA
   University of Kansas Medical Center

4. IACUC Site Visit 101: An Institution’s Inside Journey to Create Tools and Training for Better IACUC Semi-Annual Facility Inspections
   Emily W. Clark, PhD; Kelly Hefferman, BA; Tony Nguyen, BA; Jane Sullivan, PhD; Laurence B. Istvan, PhD; Michelle Newman, DVM; Aubrey Schoenleben, PhD; Jeanot Muster, BS, CMAR; Mark Tetrick, MS; Peter Lang; Jacquelyn Bales, MS; J. Preston Van Hooser, BS; and Sally Thompson-Iritani, DVM, PhD, CPIA
   University of Washington

5. Promotion of Alternatives and the Three Rs: An Animal Health Industry Perspective
   Torrie L. Condet, BS, MA, MBA; Catrina Stirling, PhD, BScHon; and Sherry E. Vaughn, DVM
   Zoetis

6. Development and Implementation of an Overcrowding Policy for Rodents
   Georgina Dobek, DVM, DACLAM; and Sheila Garrison, BS
   Tulane University

7. Start-up Meetings Improve Safety and Fulfill Training Expectations
   Troy Hallman, MS, VMD, DACLAM; Layne Ochman, MHS, RLATg; and Brandon Dorry, BS, RLATg
   Yale University

8. Establishing an IACUC Grant-Protocol Congruency Review Team
   Jesse Funk, BA, CPIA; Jeremiah Dunlap, MA, LATG; and Jena Koomosamerle, BS, CVT, RLAT
   Northwestern University

9. Evaluation of Essential Personnel on Their Knowledge and Awareness of the IACUC Emergency Disaster Plan
   Karin Fritz, MS, CPIA; and Erica Irlbeck, PhD
   Texas Tech University

    Damir Hamantzic, DVM, PhD; Elizabeth Dodemaide, BVSc, MANZCVS; and Laszlo M. Szabo, JD
    Rutgers University

11. Evaluation of Rat Well-Being During Euthanasia
    Debra L. Hickman, DVM, MS, DACLAM, DACAW
    Indiana University

12. Characterization of a Behavioral Assay to Assess the Affective State of Mice
    Josh Klutzke, BS; Brittany Baker; and Debra L. Hickman, DVM, MS, DACLAM, DACAW
    Indiana University

13. Founding the Future
    Sally Thompson-Iritani, DVM, PhD, CPIA; Elliott Walker, PMP; Sarah L. Starr, BS; Grant D. Lyon, BA; Emily W. Clark, PhD; Aubrey Schoenleben, PhD; Amy L. Lee; Laurence B. Istvan, PhD; and Monika Vishnubhakat, PMP
    University of Washington

14. Mechanism for Reporting Adverse Events and Serious Adverse Events
    Silvia I. LaRue, BS, CPIA
    University of Virginia

15. Novel Strategies to Manage Departures from the Guide
    Jennifer LS Lofgren, MS, DVM, DACLAM; Sarah Thurston, BS, LAT; Robert Dysko, DVM, DACLAM; and William G. Greer, BS, LAT, CPIA
    University of Michigan

16. The Launch: Getting “Lean” to Streamline Animal Use Protocol Review
    Grant D. Lyon, BA; Michael S. Bobola, PhD; Emily W. Clark, PhD; Aubrey Schoenleben, PhD; Elliott J. Walker, PMP; and J. Preston Van Hooser, BS
    University of Washington

17. Reducing Regulatory Burden: Protocol Form Focus on Deviations from Standards
    Jessica Baker; Miranda Moore; David Lyons, PhD; and MJ Fitzgerald
    Wake Forest School of Medicine

18. Reducing Regulatory Burden: Running Delegated Member Review
    Jessica Baker; and David Lyons, PhD
    Wake Forest School of Medicine

*Please note, the inclusion of posters featuring commercial products should not be considered an endorsement by PRIM&R.
Emily S. Mazure, MSI, AHIP
Duke University

20. All In: A Revolution From a Fully Paper-Based IACUC and Animal Care and Use Program to a 100% Electronic System: From Protocol Review to Animal Procurement, Census, and Billing
Christina Nascimento, MS, CPIA; Kelly Differding Barrett, MPH; Matthew Mellini, BS; and Jennifer Ryan, BS, CVT, RLAT, Brigham and Women’s Hospital; Patrick Doyle, Massachusetts Institute of Technology

21. A Survey of Institutional Post-Approval Monitoring Programs
Gina Prochilo-Cawston, MS, CPIA, PMP, CHRC, OvaScience; Gene Hines, University of Mississippi; Molly Greene, Michigan State University

22. Developing and Retaining Professional IACUC Staff
Cyndi Rosenblatt, MPA, CPIA; and Sarah Young Oakes
Medical University of South Carolina

23. Developing an Ergonomic Safety Risk Assessment and Identification Program for Workplace Injury in an Animal Care Organization
Carol Oteham; and Lisa Snider, CPIA
Purdue University

24. Streamlining the Amendment Review Process: Separate Forms for Administrative Amendments
Juliet Fong Zechner, BA
University of Texas Southwestern Medical Center

Juliet Fong Zechner, BA
University of Texas Southwestern Medical Center

M. Zelivyanskaya, DVM, MSRC; A. Hall, PhD; and M. Blayney, PhD
Northwestern University

27. New Design: Dr. Abdel-Baset Aref and Dr. Hoda Saady Research Center For Academic Biological Experiments Achieves Three Rs: Reduction, Replacement, and Refinement of Experimental Animals
Abdel-Baset M. Aref, PhD; and Hoda S. Mohamedain, PhD
South Valley University, Qena, Egypt
Thank you to our IACUC17 Supporters and Exhibitors! Please be sure to visit with them in the Studios & Preservation Hall Foyer. A map of the exhibitor tables can be found on page 44.

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a-tune software Inc. is a provider of medical research software. tick@lab provides compliance management for IACUCs, IRBs, and IBCs, Protocol Management, Transgenic Breeding, Capacity Planning, Task Management, Accounting, Facility Management, and Vet Records. This software can be used on Mac, Windows PC, iPad, and mobile devices. **PRIM&R would like to thank a-tune for supporting the morning coffee break on March 21.**

**Huron**
www.huronconsultinggroup.com

At Huron, we help our clients create the best HRPPs. Huron is the only provider combining the industry’s leading HRPP regulatory and process experts with the #1 IRB enterprise software solution, Huron Research Suite. Working with Huron, your research organization will improve principal investigator satisfaction, strengthen compliance, and increase organizational efficiency. **PRIM&R would like to thank Huron for supporting the afternoon coffee break on March 20.**
EXHIBITORS

American Association for Laboratory Animal Science (AALAS)
901.754.8620 | www.aalas.org
Table: 22
AALAS offers resources and services for the IACUC community including the AALAS Learning Library (www.aalaslearninglibrary.org) with the most comprehensive offering of online courses (more than 200) specific to the care and use of laboratory animals. IACUC Central (www.aalas.org/IACUC) is an information resource for IACUCs everywhere.

The BeFreegle Foundation
844.233.7334 | www.befreeglefoundation.org
Table: 16
The BeFreegle Foundation is a 501c3 nonprofit organization dedicated to re-homing dogs from biomedical research. The BeFreegle Foundation is committed to helping former research dogs become beloved companion animals through fostering each dog in a home environment until they are ready to be adopted. The BeFreegle Foundation seeks to continue to develop and nurture positive working relationships with those in the biomedical research community to assist in the re-homing of their dogs.

Charles River
877.CRI.VER1 | www.criver.com
Table: 8
Charles River is committed to the humane care of the research animals we produce and work with in all of our activities. Our commitment to animal welfare goes beyond just meeting regulatory requirements. Instead, we seek to implement best practice across business units worldwide. Our Humane Care Initiative was established to help ensure that CR continues as leader in the humane care of laboratory animals and the implementations of the 3R’s (replacement, reduction and refinement).

CPIA® Program
617.423.4112 | www.primr.org/certification/cpia
Table: 23
The purpose of CPIA certification is to improve the quality of animal care and use programs nationwide by promoting ethical practices and advanced knowledge of IACUC administration. The CPIA credential constitutes formal recognition of an IACUC professional’s broad knowledge of IACUC functions and expertise about animal care and use programs.

CITI Program
305.243.9180 | www.citiprogram.org
Table: 17
CITI Program is a leading provider of research ethics and compliance education. Our web-based training materials serve millions of learners at academic institutions, government agencies, and commercial organizations in the U.S. and around the world. Learn more about our content offerings at citiprogram.org

Drug Enforcement Administration (DEA) Office of Diversion Control
Table: 1
The mission of DEA’s Office of Diversion Control is to prevent, detect, and investigate the diversion of controlled Pharmaceuticals and listed chemicals from legitimate sources while ensuring an adequate and uninterrupted supply for legitimate medical, commercial, and scientific needs.
Epigeum
919.903.5588 | www.epigeum.com

Table: 14
Epigeum is the leading provider of exceptional online courses designed to help universities transform their core activities of teaching, research and student skills. Our courses are developed through the global collaboration of experts and universities. Epigeum was born digital, and remains committed to creating interactive, multimedia rich and engaging materials.

InfoEd Global
800.727.6427 | www.infoedglobal.com

Table: 11
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Key Solutions Inc.
510.456.4500 | www.keyusa.com

Table: 18
Key Solutions Inc. is the leader in providing integrated, comprehensive software products and services to universities, hospitals, pharmaceutical companies, biotech firms, government facilities and independent research institutes worldwide. Our software solutions streamline and automate Research Compliance and Administration processes. Products include: Animal Subjects (IACUC), Human Subjects (IRB), Bio Safety (IBC), Chemical Safety (CSC), Radiation Safety (RSC), Animal Resource Management (LARS), Animal Health Records (LAHS), Conflict of Interest (COI) and Pre and Post-Award Grant Management Systems (eGrants).

Kuali
760.582.5401 | www.kuali.co/research

Table: 19
Kuali helps research offices simplify administration and compliance, maximize funding, and make more informed decisions. With thoughtfully designed, open-source software delivered from the cloud, Kuali Research spans the full sponsored projects lifecycle, including pre-award, post-award, COI, IRB, and IACUC. To learn more, visit www.kuali.co.

NTM Consulting Services, Inc.
1.888.eSirius | www.ntmcs.com

Table: 7
NTM has been developing Institutional Animal Care and Use Committee (IACUC) and Research Facility software solutions since 1995. Our products have been successfully implemented at over 65 prestigious research organizations, including Fortune 500 pharmaceutical companies, biotechs, U.S. government laboratories, and 15 of the top 25 largest U.S. research universities.
Process Unity
978.451.7655 | www.processunity.com
Table:  6
Process Unity's cloud-based software helps organizations of all sizes automate and standardize the third-party due diligence audit process. With full lifecycle support for evaluating outsourced animal research and related services, Process Unity significantly improves external risk assessments, third-party auditing and onboarding for animal welfare and compliance evaluations. Our system helps you manage research requests and studies from internal stakeholders; electronically creates and sends third-party assessment questionnaires; and facilitates your entire due diligence workflow (audit findings reporting, third-party approvals and CAPA requirements).

Scientists Center for Animal Welfare (SCAW)
301.345.3500 | www.scaw.com
Table:  21
Scientists Center for Animal Welfare (SCAW) is composed of research professionals dedicated to balancing animal welfare and excellence in science. By addressing animal research challenges directly through education/training, SCAW serves to facilitate open discussion and helps craft solutions as well as promote best practices. Through its outreach to the broader research community, SCAW demonstrates its commitment to excellence in animal care and science.

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512.249.8080 | www.topazti.com
Table:  15
TOPAZ Technologies provides animal and clinical research software solutions for the biomedical research industry. We offer a seamless suite of integrated applications that share research data and enable an automated workflow from protocol review process to staff training, animal procurement, census, and veterinary care. TOPAZ Technologies supports advanced research through advanced technology.

USDA, APHIS, Animal Care
301.851.3751 | www.aphis.usda.gov
Table:  20
The USDA has upheld and enforced the Animal Welfare Act since 1966. The Animal Welfare Act and its associated regulations require that federally established standards of care and treatment be provided for certain warm-blooded animals that are exhibited to the public, bred for commercial sale, used in biomedical research, or transported commercially. APHIS - Animal Care is responsible for upholding and enforcing the Animal Welfare Act. It protects millions of animals nationwide each year through inspections, education, cooperative efforts and enforcement.
Studios and Preservation Hall Foyers

Exhibitor Locator
1. DEA Office of Diversion Control
2-3. a-tune software Inc.
4-5. iMedRIS
6. ProcessUnity
7. NTM Consulting Services, Inc.
8. Charles River
9-10. Huron
11. InfoEd Global
12-13. Evisions
14. Epigeum
15. TOPAZ Technologies
16. The BeFreegle Foundation
17. CITI Program
18. Key Solutions, Inc.
19. Kuali
20. USDA, APHIS, Animal Care
21. SCAW
22. AALAS
23. CPIA®
24. PRIM&R
Our webinars provide on-demand learning at your desk or on the go, viewable from your desk, a tablet, or smart phone.

Watched live or downloaded for later, you’ll find our webinars always include must-have information that you can use right away, whether the topic is universally applicable or one that’s more narrowly focused.

PRIM&R members can access recordings of webinars that occurred more than one year ago for free via the Knowledge Center.

Recordings are available for purchase anytime at www.primr.org/webinars.

Research Ethics Digest Self-Study Program

PRIM&R’s Research Ethics Digest delivers important, relevant information from scholarly journals to PRIM&R members every other month.

Each issue includes a Self-Study Program section which highlights three articles and provides a link to a related quiz. By reading the articles and scoring 80% or higher on the quiz, members earn 1.5 continuing education credit hours per issue, up to 9 per year.

MEMBER BENEFIT
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Assistant Director for Membership and IT Operations

Elise Davis
Membership Coordinator

Kate Eldredge
Conference Coordinator

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Manager of Web and Online Initiatives

Shana Sonbohan
Operations Assistant

Kelly Whelan
Marketing Coordinator

Not pictured: Louis Gigliotti, Director of Operations
Thank You to Our 2017 Committee Members

PRIM&R would like to thank our member volunteers who serve on our standing committees and advisory groups. In doing so, they generously share their time and energy with PRIM&R for the greater good of the research ethics community. Their contributions are critical to fulfilling our mission of advancing the highest ethical standards in the conduct of research through education, membership services, professional certification, public policy initiatives, and community building.

**DIVERSITY ADVISORY GROUP**
The Diversity Advisory Group works to further PRIM&R’s goal of promoting a diverse and inclusive environment. To that end, the Diversity Advisory Group advises the PRIM&R staff on strategies for fostering a membership community where differences can flourish and works to raise the profile of diversity as an issue that matters to the broader research oversight field.

**EDUCATION COMMITTEE**
The Education Committee sets broad educational goals to further PRIM&R’s mission and uphold its core values by: (1) determining and prioritizing the educational needs of its membership, (2) monitoring trends in the field to recommend and develop appropriate educational opportunities, and (3) evaluating educational activities to determine whether the educational goals are being met.

**KNOWLEDGE CENTER ADVISORY GROUP**
The Knowledge Center Advisory Group is charged with guiding the development of the Knowledge Center, a members-only section of PRIM&R’s website. This group contributes to goal setting and strategic planning for the site. Advisory group members also participate in the development of new resources. Through its work, the group is an integral part of PRIM&R’s continued efforts to provide human subjects protections and animal care and use professionals with the resources they need to do their jobs effectively and efficiently.

**MEMBERSHIP COMMITTEE**
PRIM&R’s Membership Committee works to strengthen the membership community by improving the reach of member benefits and volunteer opportunities. They review applications for PRIM&R’s Regional Connections Program, conduct outreach to welcome new members to PRIM&R’s community, and evaluate new membership initiatives. These efforts, as well as their thoughtful group discussions, allow the Membership Committee to reach broader audiences and cultivate new leadership from within the membership.

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- Susan S. Fish, PharmD, MPH
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- Sharon Freitag
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- Joy Jurnack, RN, CCRC, CIP (Co-chair)
- David J. Lyons, BA, PhD
- Kelly O’Keefe, MPH
- Gina Prochilo-Cawston, MS, CPIA, PMP, CHRC
- Jessica Rice, MPH, CIP
Henry Spira was a passionate and effective social justice advocate, animal rights activist, and an uncommonly wise and grounded individual. Following his death in 1998, PRIM&R sought a way to recognize his contributions and memorialize him within the animal care and use community. Since 2001, Mr. Spira has been recognized at PRIM&R’s IACUC Conference through the Henry Spira Memorial Lecture. PRIM&R hosts this lecture to honor his memory, commemorate his work with alternatives and the 3Rs, and recognize his ability to bring together the scientific and animal rights communities.

Mr. Spira was a frequent participant at PRIM&R’s meetings, active both at the podium and in dialogue with the community on issues related to animal welfare. He emphasized the necessity of working across ideological lines and communicating with individuals and organizations that hold opposing points of view. In a 1997 film about his life, Mr. Spira stated, “If there are going to be alternatives to the use of animals, it’s the people in the research community who will be developing alternatives. If you’re going to get the regulatory agencies to change their requirements, it’s going to be animal researchers who are the ones who are going to do it... these are the folks that you need if you’re going to be serious about change…”

In this spirit, and in Mr. Spira’s memory, PRIM&R is proud to present the 16th annual Henry Spira Memorial Lecture:

Assumptions and Certainty
Delivered by William J. White, VMD, MS, DACLAM, Dip. ECLAM
March 20, 2:00-2:45 PM
Acadia Room, third floor

William J. White, VMD, MS, DACLAM, Dip. ECLAM, was the corporate vice president of Veterinary and Professional Services at Charles River Laboratories. He retired in 2016.

Prior to joining Charles River Laboratories, Dr. White was a tenured associate professor of comparative medicine of the College of Medicine at the Milton S. Hershey Medical Center, part of The Pennsylvania State medical system, where he conducted basic research in a number of areas involving the effects of environmental variables on laboratory animals and laboratory animal anesthesia. Dr. White joined Charles River Laboratories in 1988 as the director of Professional Services, and subsequently held a number of positions including, most recently, corporate vice president for Veterinary and Professional Services. In that capacity, he oversaw the corporation’s worldwide diagnostic and professional services activities, as well as its corporate biosecurity program. While at Charles River Laboratories, Dr. White lead corporate research programs in environmental factors influencing animal performance, as well as other areas involving the care and use of animals in a research environment and rodent production.

Dr. White has served as a consultant to numerous institutions, organizations, government agencies, and countries on the design and operation of animal healthcare programs and biosecurity for animal facilities.

He has authored or coauthored over 80 peer-reviewed research articles or book chapters. Dr. White has had an ongoing interest in the welfare and safety of laboratory animals and in optimizing the environmental conditions under which they are maintained. He is a member of the Animal Care Team of the International Air Transport Association’s (IATA) Live Animals and Perishables Board that provides standards for the transportation of over 7000 species of animals, and played a lead role in the development of the new container standards for laboratory animals, as well as in the development of the “Life Science Logistics for Laboratory Animals” chapter in the IATA Live Animals Regulations Manual.

Dr. White served on the Institute for Laboratory Animal Research (ILAR) committee that developed the 1996 Laboratory Animal Management Guide for Rodents, and on the ILAR committee that developed the 1996 Guide for the Care and Use of Laboratory Animals. He co-edited the first edition of the ACLAM text on anesthesia and analgesia in laboratory animals, and has been a member of the editorial board Comparative Medicine.

Dr. White received his VMD from the University of Pennsylvania (1970); his MS in laboratory animal medicine from The Pennsylvania State University (1972); and his BS from The Pennsylvania State University (1966). He is a diplomate of both ACLAM and the European College of Laboratory Animal Medicine (ECLAM), as well as a past president of ACLAM and the International Association of Colleges of Laboratory Animal Medicine.
Second Floor: March 19

IACUC17 Space

Studios & Preservation Hall Foyer
- Pre-Conference Programs Networking Reception
- Supporters & Exhibitors

Galerie 6
- Essentials of IACUC Administration

Galerie 3
- Beyond the Basics

Galerie 2 & 5
- IACUC 101™
- IACUC 101™ lunch

Galerie 1 & 4
- Beyond the Basics lunch
- Essentials of IACUC lunch

Canal Street
Second Floor: March 20-21

IACUC17 Space

Studios & Preservation Hall Foyer
- CPIA® Table
- Beverage Breaks
- IACUC17 Welcome Reception
- Internet Cafe
- Poster Presentations
- PRIM&R Table
- Resource Table
- Supporters & Exhibitors

Studios 1-5, 7-10
Breakout Sessions

Galeries 1, 2 & 3
- Networking Lunch
- Roundtable Discussions

Galeries 4, 5 & 6
Breakout Sessions

Chartres Street

Canal Street
Third and Fifth Floors: March 20-21
(No IACUC17 programming is being held on the fourth floor)

Bissonet Ballroom
- First-time Attendee Breakfast
- CPIA® Lunch
- FDP’s Faculty Workload Survey Lunch

Acadia Ballroom
- General Session

Third

Chartres Street

Fourth

Breakout Sessions

Fifth

Jackson

Galvez

Canal Street

Men

Women

Emergency Exit

Ballroom Foyer

Quarter Tower Elevators

Escalators to/from 2nd Floor

River Tower Elevators

IACUC17 Space
Online Education for Research Ethics and Compliance

CITI Program is a leading provider of research ethics and compliance education. Our web-based training materials serve millions of learners at academic institutions, government agencies, and commercial organizations in the U.S. and around the world. Learn more about our content offerings at citiprogram.org.

Learn More about CITI Program at Table #17

Courses are available for the Following:

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Creating a direct interface between you and your third parties, ProcessUnity allows you to monitor questionnaire completion progress and responses to CAPA requests. Interactive dashboards and reports provide live, comprehensive views into your global audit workload, your inventory of approved third parties, and any identified corrective and preventative action plans.

Stop by booth #6 to learn more and enter to win an Amazon Echo.
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Event recaps

Post-webinar Q&A

Views and information from the PRIM&R community

www.primr.org/ampersand
Announcing,

The Laboratory Animal Training Association (LATA) is celebrating the 30th year of service to the research community in 2017!

Also, LATA would like to announce that the online compliance courses on the *Humane Care and Use of Laboratory Animals* are now part of the compliance curriculums available with the Association of Compliance Training (ACT). ACT also offers curriculums in RCR and HSR.

Administrators should visit awacourses.net for more information and a free trial of the online compliance program for laboratory animals.
THANK YOU
...to our conference planning committee members, who, along with our speakers, have made this meeting possible.

CONFERENCE CO-CHAIRS
Jori K. Leszczynski, DVM, DACLAM
Director for the Office of Laboratory Animal Resources; Associate Professor of Pathology, School of Medicine, University of Colorado at Denver

Natalie L. Mays, BA, LATG, CPIA
Director, Office of the IACUC and IBC, New York University School of Medicine

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**SATURDAY, MARCH 18**

- **4:00-7:30 PM** Registration and Help Desk open
  Preservation Hall Foyer

**SUNDAY, MARCH 19**

- **7:00 AM-6:00 PM** Registration and Help Desk open
  Preservation Hall Foyer
- **8:00 AM-4:30 PM** Beyond the Basics: Advanced Issues and Current Topics in IACUC Administration
  Galerie 3
- **8:00 AM-5:00 PM** Essentials of IACUC Administration—Intensive
  Galerie 6
- **4:30-6:30 PM** Pre-Conference Programs Networking Reception
  Studios & Preservation Hall Foyer

**MONDAY, MARCH 20**

- **7:00 AM to 5:00 PM** Registration and Help Desk open
  Preservation Hall Foyer
- **8:00 AM-4:30 PM** Beyond the Basics: Advanced Issues and Current Topics in IACUC Administration
  Galerie 3
- **8:00 AM-5:30 PM** Essentials of IACUC Administration—Intensive
  Galerie 6
- **8:00 AM-5:00 PM** IACUC 101™: “The Basics”
  Galerie 5
- **4:30-6:30 PM** Pre-Conference Programs Networking Reception
  Studios & Preservation Hall Foyer

**TUESDAY, MARCH 21**

- **7:00 AM-12:00 PM** Registration and Help Desk open
  Help Desk
- **8:00-8:05 AM** Welcome from the IACUC17 Co-Chairs
  Acadia Ballroom
- **8:05-8:10 AM** Membership Update
  Acadia Ballroom
- **8:10-8:15 AM** CPIA® Update
  Acadia Ballroom
- **8:15-9:00 AM** Keynote Address by Elaine M. Faustman: Integrating Systems Biology and Public Health to Implement The 3Rs - What Have We Learned and What Do We Need to Do?
  Acadia Ballroom
- **9:00-10:15 AM** Panel II: Overcome the Fear: The Life-Changing Magic of Tidying Up Your Animal Care and Use Program
  Acadia Ballroom
- **10:15-10:45 AM** Beverage Break With the Supporters and Exhibitors
  Studios & Preservation Hall Foyer
- **10:45-11:45 AM** Panel III: The 3Rs: Putting the Principles Into Practice
  Studios & Preservation Hall Foyer
- **11:45-12:45 PM** Didactic Sessions and Workshops Series E
  See agenda for room locations

**SCHEDULE AT A GLANCE**

- PRIM&R’s 2017 Institutional Animal Care And Use Committee Conference
- March 19-21, New Orleans, LA

**2017 IACUC Conference**

- March 19-21 • New Orleans, LA

**Supported by:**

- Public Responsibility in Medicine and Research
- AAALAC
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Special thanks to the Edna H. Tompkins Charitable Trust and Pfizer for their support of this meeting.