

PRIMER's

2020 IACUC Conference

April 5-7 • Orlando, FL

Sunday, April 5: IACUC20 Preconference Programs

7:30 AM-5:00 PM

On-Site Check-In Open

Attendees on their own for breakfast.

Crystal Ballroom Registration

8:30 AM-4:30 PM

IACUC Fundamentals

Jennifer Klahn, University of California, Los Angeles, Natalie L. Mays, New York University Langone Health; Rachel A. Murray, Cincinnati Children's Hospital Medical Center



Essentials of IACUC Administration: Achieving Success as an IACUC Administrator

Candice Brothie-Fine, Novartis Institutes for Biomedical Research, Inc.; Stacy Pritt, University of Texas Southwestern Medical Center at Dallas



Practical Strategies for Reducing Regulatory Burden

F. Claire Hankenson, Michigan State University; Nancy Figler Marks, University of Iowa; Jerry Poling, Eli Lilly and Company; Temeri Wilder-Kofie, NIH



8:30 AM-12:00 PM

Quality Management System: Tools to Consider in an Animal Care and Use Program

Elaine Kim, Colorado State University; Catherine M. Bens, Colorado State University



1:00-4:30 PM

Effective Communication Strategies for Animal Care and Use Programs

Ken Gordon, Northwest Association for Biomedical Research; Jo Ann Henry, New York University Langone Medical Center



4:30-5:30 PM

Preconference Programs Networking Reception


This reception is for preconference program attendees. Light refreshments will be served.


Atrium CD


Icon Key

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 Sessions span two time periods

 CPIA recertification credit

 Call for Session Proposals

 New in 2020

 Included in post-conference recordings

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Crystal Ballroom Registration

7:00-8:00 AM

Breakfast to Welcome to First-Time Attendees

Attending the IACUC Conference for the first time can be exciting and overwhelming, which is why PRIM&R invites **first-time attendees** to participate in this special breakfast session. This session is a great opportunity for first-time attendees to ask questions of the PRIM&R staff 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 required.**



8:00-8:05 AM

Welcome from the Conference Co-Chairs

Crystal Ballroom



8:05-8:30 AM

Remarks from PRIM&R's Executive Director, Elisa A. Hurley, PhD

Crystal Ballroom



8:30-9:30 AM

Crystal Ballroom

Keynote Address by Naomi Charalambakis, PhD, Senior Science Policy Analyst, Office of Public Affairs, Federation of American Societies for Experimental Biology (FASEB): Shaping a New Discourse for Animal Research: Engaging the Public, Staying Proactive



9:30-9:45 AM

Beverage Break With the Supporters and Exhibitors

Join us for coffee with the IACUC20 Supporters and Exhibitors.

Atrium CD

9:45-11:00 AM

Panel I: Real Time IACUC—This Meeting Is in Session!

Moderator: Janet Sternwedel, San Jose State University

Panelists:

Attending Veterinarian: Tanise L. Jackson, Florida A&M (Backup: William Hill; Pete Otovic)

IACUC Chair: Jane Sullivan, University of Washington (Backups: Christopher Bashur, Florida Institute of Technology)

IACUC Administrator: Steven H. Butler, University of Florida

Scientist: Shari Pilon-Thomas, University of South Florida

Non-Scientist: Elisa A. Hurley, PRIM&R

AAALAC: Helen Diggs, AAALAC International

OLAW: Patricia Brown, NIH OLAW

USDA: Carol Clarke, USDA

Declined: William F. Dietrich, Novartis

Be sure not to miss this real-time discussion by our mock IACUC panel of a variety of issues that might arise in a real IACUC meeting. Agenda items will be made available to conference attendees prior to the "meeting," and attendees will have the opportunity to participate in deliberations. Representatives from AAALAC International, OLAW, and USDA will provide their perspective on the issues discussed by the mock IACUC.

Crystal Ballroom



11:00-11:15 AM

Break

Breakout Sessions Series A, 11:15 AM-12:30 PM

A1: New Directions in Treatment of Pain: Prevention, Identification, and Treatment (Animal Well-Being and the 3Rs Track)

Larry Carbone, retired; Elizabeth Nunamaker, University of Florida

Backup: Norman Peterson, AstraZeneca; Pat Foley, Georgetown, David Pang, Linda Toth, James Marx, UPenn

Decline: Michael Brunt, University of British Columbia; Liz Magden, MD Anderson; Lon Kendall, Colorado State University, Pat Turner

Animal pain management is a major component of IACUC review because research procedures may cause pain, and the management plan balances the research needs with animal welfare. This session will review preemptive approaches in preventing pain, progressive techniques for monitoring pain, and pharmacologic and non-pharmacologic pain management strategies for acute and chronic pain. Category E studies will be discussed to better understand where justification of analgesia withholding is relevant from a scientific perspective, but also how untreated pain/distress can introduce variability in research data. Before attending this session, attendees should have a basic understanding of current trends in analgesia.

CPIA Advanced

Learning Objectives:

- Discuss pain potential for common research procedures and species specific considerations
- Explore novel approaches in identifying pain and pharmacological and non-pharmacological analgesic management
- Consider the pros and cons of established and new analgesic management practices and potential physiologic effects

Icon Key



Sessions span two time periods



New in 2020



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A2: A Time to Connect: Agency Highlights and Q&A With the Oversight Bodies (Communication and Networking Track)

Brent Morse, NIH OLAW--SF; Jane Na, NIH OLAW; Helen Diggs, AAALAC, International; Elizabeth Goldentyer, USDA; Dawn C. Fitzhugh, DoD; Robert M. Gibbens, USDA

NIH OLAW, USDA, APHIS, AAALAC International, and the DoD provide information and interpretation on the regulations, policies, and guidance documents. During this session, attendees will receive critical updates from each agency representative, and will have an opportunity to ask questions. In advance of the session, attendees may submit questions to be addressed publicly. The agencies will present at specific times during the session (forthcoming).

Learning Objectives:

- Receive agency specific updates
- Participate in an open discussion about issues relevant to stakeholders

Note: This session will also be held on Tuesday, April 7, 10:15-11:30 AM



Target Audience: IACUC Leadership and Institutional Officials; IACUC Members, Chairs, Vice Chairs; Researchers and Research Staff; Veterinarians, Attending Veterinarians; IACUC Administrators, Managers, Staff; Compliance, Regulatory, QA/QI

A3: Ethical Challenges of Modeling/Testing Method Relevance (Hot Topics and Emerging Trends Track)

Melvin Fox, AbbVie; Jim Newman, Americans for Medical Progress; TBD

Backup: Chris Newcomer; Michael Taffe, neuroscientist who studies drugs of abuse; Elliot Lilley, RSPCA (recommended by Huw Golledge) Decline: Allyson Bennett, University of Wisconsin, Madison; Brianna Gaskill, Purdue University; Kathleen R. Pritchett-Corning, Harvard University; NC3Rs representative, Melanie Graham, University of Minnesota; Jane Sullivan, University of Washington; Dr. Melissa Barker-Haliski, University of Washington; Huw Golledge, Federation for Animal Welfare and the Humane Slaughter Association; Dr. Misty Smith, University of Utah; Peter van der Meer, University Medical Center Groningen; Ashley Fricks-Gleason, Regis University

How and when is it appropriate for researchers and IACUCs to challenge research models and models driven by regulatory expectations? Scientific and ethical considerations for relevance of models used in certain testing paradigms are becoming more publicly debated. During this session, speakers will provide tools for IACUCs to use in the evaluation of these models, as well as discuss criteria for ensuring animal welfare and model relevance and appropriateness.



Learning Objectives:

- Discuss the problem and identify current concerns from the public and animal protectionist perspectives
- Consider the importance of scientific involvement in determining model relevance
- Develop a toolkit for IACUCs for ethical considerations and model relevance

Target Audience: IACUC Leadership and Institutional Officials; IACUC Members, Chairs, Vice Chairs; Researchers and Research Staff; Veterinarians, Attending Veterinarians; IACUC Administrators, Managers, Staff

A4: IACUC Administration for New IACUC Administrators/Coordinators (IACUC Administration/Management and Process Track)

Melodie Blakemore, University of California, Santa Barbara; Trina Smith, Mississippi State University--SF

Backup: Rosa Harmon; CeCe Brotchie-Fine; Stacy Pritt; Rachel Cameron, Pfizer

This session is for individuals relatively new to the responsibilities of providing administrative support to the IACUC (i.e., individuals who have less than two years' experience in their role). During the session, speakers will provide a review of responsibilities typically assigned to IACUC administrators/coordinators. The session will also explore ways to run a meeting and prepare minutes and options for conducting postapproval monitoring.



Learning Objectives:

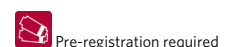
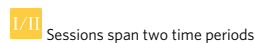
- Discuss the various ways IACUC administrative staff can support the protocol review process
- Go over how to run an IACUC meeting and make decisions among a diverse group of people
- Discuss requirements and best practices for preparing meeting minutes
- Provide various options for conducting post-approval monitoring
- Review IACUC member training requirements

Target Audience: Compliance, regulatory, QA/QI; IACUC Administrators, Managers, Staff

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A5: Helpful Tips for Implementing a Web-Based Protocol Management System*(IACUC Administration/Management and Process Track)**Jaret Langston, University of Alabama at Birmingham (CUSP IT--IT perspective); Jori Leszczynski, University of Colorado at Denver; Helen O'Meara, The Ohio State University--SF**Backups: Grant Lyon (UCLA/UW; represent IT); Rebecca Armstrong (UCB); Elaine Kim (Col State); W. David Martin (Emory); Emily Clark (UW); Aubrey Schoenleben (UW); Cece Brotchie-Fine,*

Web-based solutions are widely used to manage the protocol review and approval process. Speakers and attendees will discuss experiences with implementing a web-based protocol management system, from planning and implementation to continuing maintenance, and will participate in an extensive question and answer session. Before attending this session, attendees should have a basic understanding of IACUC functions and responsibilities and protocol review workflow. Note: speakers are unable to endorse vendor products.

 Advanced
Learning Objectives:

- Explore the pros and cons of using a web-based protocol management system
- Share strategies for selecting a system that best fits your needs, taking into account committee, research, and institutional needs
- Describe the steps and personnel involved in system development and implementation
- Discuss post-implementation needs, including routine data transfer to other online systems, report generation, updating forms based on new regulations, etc.

Target Audience: IACUC Administrators, Managers, Staff; IACUC Leadership and Institutional Officials**A6: IACUC Basics for the Use of Wildlife in Research and Education** *(Oversight of Non-Typical Animals and Situations Track)**John Bryan, II, Zachery Consulting, LLC; Patrice N. Klein, USDA Forest Service; Robert Sikes, University of Arkansas at Little Rock--SF; Carol Clarke, USDA (resource person)*

This session will review the basic information that IACUCs need to address during review of a wildlife study, such as species, animal numbers, pharmaceuticals, occupational health and safety, and euthanasia. There will also be discussion of non-target species and potential problems encountered in the field.

 Basic
Learning Objectives:

- Outline questions IACUCs should ask and that could be added to protocol forms for a more useful for review of wildlife research and teaching activities
- Identify differences in justification for numbers/species and occupational health and safety concerns between controlled laboratory studies versus wildlife studies
- Describe methods of euthanasia and use of pharmaceuticals in wildlife research activities

Target Audience: Compliance, Regulatory, QA/QI; IACUC Administrators, Managers, Staff; IACUC Members, Chairs, Vice Chairs; Researchers and Research Staff; Veterinarians, Attending Veterinarians**A7: Program Review and Facility Inspections** *(Program Management Track)**Tracy Heenan, University of North Carolina at Chapel Hill; Melinda Bruns, The Ohio State University--SF; Elizabeth Theodorson, USDA; Venita Thornton, NIH OLAW**Backups: Amy Kilpatrick; Justin Lahmers, OSU; Thomas Todd, University of Houston; Rachel Cameron, Pfizer*

Conducting program reviews and facility inspections are an important aspect of the IACUC's responsibility. This session will explore the basics, as well as introduce new and innovative ideas related to program reviews and facility inspections.


 Basic
Learning Objectives:

- Review the basic precepts of program review and facility inspections
- Identify the challenges of program review and facility inspections, and share successful practices from experienced institutions
- Explore innovative approaches and ideas for performing and following up on program review and facility inspections


Target Audience: IACUC Leadership and Institutional Officials; IACUC Administrators, Manager, Staff; Veterinarians, Attending Veterinarians**Icon Key**

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 Call for Session Proposals

 Pre-registration required

A8: How to Avoid Self-Imposed Administrative Burden from Inefficient or Over-Rigorous Protocol Forms and Review Practices (Protocol Review Track)

Ben Clark, University of Minnesota; Sally Light, Michigan State University--**SF**; Sandra Wilkins, Michigan State University
Backups: Thomas Todd, University of Houston

This session will highlight the regulatory obligations for protocol content and present ways institutions can use other tools in combination with the protocol to make processes more efficient and less duplicative. These strategies include a postapproval monitoring (PAM) program, routine veterinary care policies, semi-annual inspections, and overall program descriptions to strengthen animal use programs without disproportionate or duplicative emphasis on protocol content. Before attending this session, attendees should have an understanding of current regulations for protocol review, differences in requirements between relevant oversight bodies, and the NIH efforts to decrease regulatory burden for principal investigators.

**Learning Objectives:**

- Briefly outline protocol review requirements in the USDA Animal Welfare Regulations, PHS Policy, US Government Principles, and the Guide
- Through the use of examples, address common concerns driving requests for detail that exceeds the regulatory directives
- Determine how other tools, such as PAM programs, routine veterinary care policies, semi-annual inspections, and overall program descriptions can be used or be even better suited to address some of these concerns
- Share examples related to relieving administrative burden through the creation of a protocol form and review process that leverages the strengths of the other aspects of the program, rather than inefficiently duplicating efforts

Target Audience: Compliance, Regulatory, QA/QI; IACUC Administrators, Managers, Staff; IACUC Members, Chairs, Vice Chairs; Veterinarians, Attending Veterinarians; IACUC Leadership and Institutional Officials

A9: Strategies for Successfully Training the IACUC (Qualifications and Training Track)

Ken Gordon, Northwest Association for Biomedical Research; Michelle C. Stickler, University of Texas at Austin--**SF**
Backups: Thomas Todd, University of Houston

Decline: Jennifer Iwamoto, University of Washington

The Animal Welfare Act and regulations hold institutions responsible for ensuring personnel involved in animal care, treatment, and use are qualified to perform their duties, including IACUC members. This responsibility, in part, can be fulfilled through the provision of training. The *Guide* charges institutions with the responsibility of providing a suitable orientation and appropriate resources to assist IACUC members in understanding their roles and responsibilities and evaluating issues brought before the committee. Determining the best way to present this information can be daunting. During this session, attendees will hear about successful IACUC member training programs at various institutions, and have the opportunity to share their own examples and experiences.

**Learning Objectives:**

- Share successful strategies, learning approaches, and formats for IACUC member training
- Explore potential topics for training
- Discuss how and when to utilize various learning strategies (e.g., active learning, didactic, online, etc.)
- Review potential obstacles to a successful training program and how to address them

Target Audience: IACUC Administrators, Managers, Staff; IACUC Leadership and Institutional Officials

A10: Evolution of the Human: Animal Interface in Exhibits and Research (Oversight of Non-Typical Animals and Situations Track)

Sabrina Brando, Animal Concepts; TBD; SeaWorld representative

Backups: Nicolette Petervary (recommended by Carolyn)

Decline: Cathy Schuppli, University of British Columbia (animal environment and welfare); Brent Whitaker, ZooQuatic Lab; Jennifer Zeligs (SLEWTHS)- sea lions in education; Carolyn McKinnie, APHS; Louis DiVencti, Buffalo Zoo; Brian Joseph, bjoseph@agr.wa.gov (recommended by Sally)

This session will explore the changing relationship of our interactions with animals and how expectations have evolved over time. There will be discussion about the publicity around these facilitates, highlight of recent animal exhibits and how institutions/corporations have changed their culture, and the ethics of exhibiting animals more generally.

**Learning objectives:**

- Discuss how exhibits and zoos have responded to criticisms, and how they have changed their emphasis and focus to support care of the animals they have had interactions with
- Explore how research institutions can think about their animal interactions and emphasize efforts to understand animal's innate needs and how they can improve their well-being in laboratories
- Review what IACUC's should be aware of when thinking about animal environments and the human/animal interface

Target Audience: IACUC Administrators, Managers, Staff; IACUC Leadership and Institutional Officials; IACUC Members, Chairs, Vice Chairs; Researchers and Research Staff; Veterinarians, Attending Veterinarians; Compliance, Regulatory, QA/QI;

12:30-1:45 PM

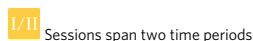
Networking Lunch

Lunch provided by PRIM&R.

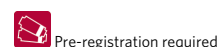
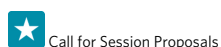
Crystal Ballroom

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B1: Non-Animal Alternatives—Barriers to Implementation (*Animal Well-Being and the 3Rs Track*)

TBD; Carol Clarke, USDA; Nicolette Petervary, NIH OLAW (when the reg agencies can accept alternatives and when they do not)
 Backups: Norman Peterson, MedImmune; Mary Ann Vasbinder; Natalie Bratcher, AbbVie; Kathrin Hermann, kherma1@jhu.edu Johns Hopkins University Center for Alternatives to Animal Testing
 Decline: Helena Hogberg, JHU; Edward Kelly, BWH; Mary Zelinski, OHSU; Warren Casey (NICEATM); Andrea Powell, FDA; Susie Fitzpatrick, FDA; Jerry Poling, Eli Lilly

Though animal experiments are still necessary in certain types of research, enhanced and novel non-animal alternatives have been developed. The use of human cells, 3D cell models, and artificial intelligence have the potential to provide human relevant data that can add important information to scientific questions. Moreover, such data can contribute to the design of essential animal experiments.

Basic

Learning Objectives:

- Discuss non-animal alternatives as a complement or, if possible, as a replacement to animal use (i.e., can we make use of non-animal data to improve our animal experiments?)
- Consider where non-animal alternatives are sufficient to replace an animal experiment, and share examples of successful replacement
- Identify the role the IACUC might play in promoting alternative approaches when available

Target Audience: IACUC Administrators, Managers, Staff; IACUC Leadership and Institutional Officials; IACUC Members, Chairs, Vice Chairs; Researchers and Research Staff; Veterinarians, Attending Veterinarians

B2: Developing and Maintaining a Positive and Productive Communication Environment in an Animal Care and Use Program

(*Communication and Networking Track*)

Donna Matthews Jarrell, Massachusetts General Hospital; Janet Stemwedel, San Jose State University; Jo Ann Henry, NYU Langone Medical Center - **SF**

Back ups: Tanise Jackson, Florida A&M, Melinda Bruns/Justin Lahmers, OSU

Decline: Grant Lyon, University of California, Los Angeles

An animal care and use program often brings together many different personalities and viewpoints. Diversity in the program is important for giving all stakeholders a voice, yet can create unintended tensions. Positive and productive communication is critical for fostering a cohesive animal care and use program and a culture of compliance. This session will use small group work and mock exercises.

CPIA

Learning Objectives:

- Identify the diversity that exists within animal care and use programs and share why diversity is important
- Review activities that can improve communication among stakeholders, including the IACUC, research teams, veterinary and husbandry staff, IACUC administration, and more
- Learn how to develop and maintain an environment that fosters positive and productive communication
- Explore situations that can compromise positive communication, and discuss ways to deal with difficult communication situations

Target Audience: IACUC Leadership and Institutional Officials; IACUC Members, Chairs, Vice Chairs; Researchers and Research Staff; Veterinarians, Attending Veterinarians; IACUC Administrators, Managers, Staff

B3: Trends in Euthanasia of Non-Rodent Species (*Hot Topics and Emerging Trends Track*)

Robert E. Meyer, Mississippi State University - **SF**; Samantha E. J. Gibbs, U.S. Fish and Wildlife Service

Backups: John A. Bryan, II, Zachery Consulting, LLC, Wildlife Compliance and Oversight Consultation

Decline: Samuel C. Cartner, University of Alabama at Birmingham; Emily G. Patterson-Kane, AVMA; Tracy Thompson, National Park Service (address methods being applied and developed in free-ranging and captive wildlife including fish and herpetofauna)

More variety of species are being used in animal research. Choices for euthanasia for these non-rodent species are challenging due to limited knowledge of these species physiology, lack of data and publications on effective and humane methods, and availability of resources routinely used in rodent euthanasia versus new or different resources that may be more applicable. This session will review choices for non-rodent species euthanasia methods based on current literature and knowledge and the application of these in research settings. Before attending this session, attendees should be familiar with rodent euthanasia methods commonly used in laboratory animal facilities and with the current AVMA Guidelines for Euthanasia of Animals. This session will extrapolate from and expand upon these methods for non-rodent species used in field and lab animal research. Additionally, attendees should be comfortable with assessing pain and distress in research animals particularly in determining criteria for euthanasia to minimize these and to relieve suffering.


New CPIA Advanced

Learning Objectives:

- Discuss methods of euthanasia that may be applied in lab and field setting for non-rodent species
- Evaluate trends in methodology to meet the AVMA Guidelines
- Review the limited resources available for this wide variety of species and share innovative and compassionate processes for applying these to achieve humane endpoints

Target Audience: Compliance, Regulatory, QA/QI; IACUC Leadership and Institutional Officials; IACUC Members, Chairs, Vice Chairs; Researchers and Research Staff; Veterinarians, Attending Veterinarians


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B4: Meeting the Challenges of IACUC Administration—Case Studies in Handling Complex Protocol Issues/Situations, Part I (IACUC Administration/Management and Process Track)

Stacy Pritt, University of Texas Southwestern Medical Center at Dallas--*SF*; Aaron Rhyner, USDA; Neera Gopee, NIH OLAW Backups: Deb Frolicher, The Scripps Research Institute, Marcy Brown, San Diego Animal Welfare

Decline: Rosa Harmon, LA BioMed, Biomedical Research Institute; Christina Nascimento, Brigham and Women's Hospital

Many IACUC administrators, members, and staff struggle with protocol questions and what the IACUC should consider in reviewing protocols. In the first part of this two-part session, speakers and attendees will work through case studies on protocol review issues and discuss possible ways to handle these complex situations. Before attending this session, attendees should have a sound working knowledge of the IACUC and the regulations that provide guidance. Important to the session are well-versed IACUC administrators who can share their experiences with protocol challenges.

Learning Objectives:

- Discuss and analyze simulated, problematic scenarios on IACUC protocol reviews
- Share potential solutions to problems with protocols while maintaining compliance

Note: Part II of this session will take place on Monday, April 6th from 3:15-4:30 PM

Target Audience: IACUC Administrators, Managers, Staff; IACUC Members, Chairs, Vice Chairs; Compliance, Regulatory, QA/QI



Advanced

B5: Wildlife Anesthesia and Field Procedures—You Do What, Where, and How?

(Oversight of Non-Typical Animals and Situations Track)

Sylvia Gografe, Florida Atlantic University--*SF*; Patrice N. Klein, USDA Forest Service; Someone from SeaWorld?

Backups: Tracy Thompson, National Park Service (on B3)

This session will use scenarios to discuss information IACUCs should be familiar with regarding research, teaching, and testing activities involving vertebrate wildlife in field situations. Particular attention will be paid to the use of anesthesia and other field procedures that would benefit from veterinary consultation. Facilitation and review of training and qualifications of personnel to conduct procedures that have the potential to cause more than momentary pain and distress will also be presented.

Learning Objectives:

- Review the broader issues regarding animal and human safety during field procedures
- Discuss the use of controlled substances
- Evaluate conditions and methods for field euthanasia

Target Audience: Compliance, Regulatory, QA/QI; IACUC Administrators, Managers, Staff; IACUC Members, Chairs, Vice Chairs; Researchers and Research Staff; Veterinarians, Attending Veterinarians



B6: Occupational Health and Safety (OH&S) Concerns and Oversight (Program Management Track)

Shay Cook, University of California, Berkeley; Tanise Jackson, Florida A&M--*SF*; Jane Na, NIH OLAW

Backups: William Hill, Helen O'Meara, The Ohio State University

OH&S compliance and oversight must incorporate institutional policies, personal safety, and regulatory considerations. A successful program will work as a partnership between those working with animals, environmental health and safety, the Occupational Health service provider, and the IACUC. This session will discuss who needs to participate in the OH&S program and why, as well review individual responsibilities. In addition, speakers will review how an electronic system can help create a seamless way for departments to work together toward institution-wide compliance with the program.

Learning Objectives:

- Review who needs to participate in the OH&S program and why
- Identify which program roles are the responsibility of the IACUC administrator, environmental health and safety, OH&S, and the IACUC
- Discuss how to implement an electronic system that all departments can use for institution-wide compliance

Target Audience: IACUC Leadership and Institutional Officials; IACUC administrators, manager, staff; Veterinarians, Attending Veterinarians; Compliance, Regulatory, QA/QI



Basic

B7: On the CUSP—An Option to Address Administrative Burden at the Institutional Level (Protocol Review Track)

Aubrey Schoenleben, University of Washington--*SF*; Axel Wolff, OLAW(resource person); Jaret Langston, University of Alabama at Birmingham; Cyndi Rosenblatt, Medical University of South Carolina

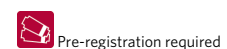
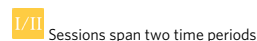
Under the auspices of the Federal Demonstration Partnership, the Compliance Unit Standard Procedure (CUSP) Project offers an option to address administrative burden at the institutional level. The goal of the project is to create an online repository where institutions can share standard procedures used in animal care protocols with the broader animal welfare compliance community. This project is a burden reducing initiative from the 21st Century Cure Act, and use of this tool is supported by OLAW and the USDA. This session will provide the community with an update on the CUSP project and a demonstration of the site.

Learning Objectives:

- Review the CUSP project and responsibilities of participants using the system
- Provide a demonstration of the CUSP site



Icon Key



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Advanced: Assumes mastery of central ethical concepts and principles, the regulations, and the processes of applying them to the day-to-day work of protocol review or research oversight activities. Provides in-depth knowledge of an area and a robust set of skills for addressing difficult problems and navigating "grey areas," improving IACUCs, shaping institutional cultures, or advancing careers. Attendees are expected to have sufficient experience and understanding to contribute to the discussion of and solution to difficult problems.

Target Audience: Compliance, Regulatory, QA/QI; IACUC Administrators, Managers, Staff; IACUC Members, Chairs, Vice Chairs; Researchers and Research Staff; Veterinarians, Attending Veterinarians; IACUC Members, Chairs, Vice Chairs

Monday, April 6: IACUC20

Breakout Sessions Series B, 1:45-3:00 PM

B8: Strategies for Evaluating the Effectiveness of Training Programs (Qualifications and Training Track)

Amy Kuei-Lan Chuang, OmedaRx--SF; Michelle C. Stickler, University of Texas at Austin

Backups: Thomas Todd, University of Houston

The OLAW program evaluation checklist suggests IACUCs should be evaluating the effectiveness of their training programs. This session will discuss what might be meant by the phrase "evaluate effectiveness," and what kind of data can be used to demonstrate a training program is being evaluated.

 Basic

Learning Objectives:

- Discuss what components of a robust training program should be evaluated
- Identify the goals of a training program evaluation and different types of evaluation strategies to complement goals
- Describe what type of data can be used to support a training program evaluation

Target Audience: Compliance, Regulatory, QA/QI; IACUC Administrators, Managers, Staff; IACUC Leadership and Institutional Officials

B9: Creating an Engaged Research Team Through Training (Qualifications and Training Track)

Mandy Kozlowski, Northwestern University --SF; Tracy Heenan, University of North Carolina at Chapel Hill

Backups: Tanise Jackson, William Singleton, Paula Clifford; Elizabeth Nunamaker, University of Florida (nunamaker@ufl.edu); Kiirsa Pokryfke, University of Michigan

Decline: Jessi Kittel, University of Michigan; F. Claire Hankenson, Michigan State University

When technical proficiency in the care and use of research animals is met, we move closer to the coveted goals of assuring compliance, qualifying personnel, meeting regulatory mandates, and improving both animal welfare and research quality. This cannot be easily accomplished without a training program that is comprehensive and consistently executed with excellence. Federal regulations and recommendations clearly define the need for training, but that can be perceived as a burden. However, by adding soft skills to engage the research team, the trainer and the IACUC can enhance their capability to meet their goals and, when exceeded, achieve a higher state of compliance nirvana. Active learning scenarios will be used. Before attending this session, attendees should have an understanding of the regulatory mandates for training.

 Advanced

Learning Objectives:

- Describe proven mechanisms to assess a researcher's technical competence
- Discuss ways in which staffing, metrics, time, resources, and documentation influence the development of an assessment program to improve compliance
- Identify and develop strategies for helping stakeholders in the research community better understand their role in improving animal care and welfare through compliance and proficiency obtained through training

Target Audience: Compliance, Regulatory, QA/QI; IACUC Administrators, Managers, Staff; Researchers and Research Staff; Veterinarians, Attending Veterinarians

3:00-3:15 PM

Beverage Break With the Supporters and Exhibitors Supported by CITI Program

Join us for coffee with the IACUC20 Supporters and Exhibitors. PRIM&R would like to thank CITI Program for helping support this

Atrium CD

Breakout Sessions Series C, 3:15-4:30 PM

C1: The Importance of Play and Play-Based Environments for Animal Welfare (Animal Well-Being and the 3Rs Track)

Tara Martin, University of Michigan; Nicolette Petervary, NIH OLAW; Misha Dunbar, University of Texas Southwestern Medical Center

Backups: Deb Hickman, Hanno Würbel, Sergio Pellis, Vivien Pellis; Jamie Ahloy-Dallaire, Laval University (recommended by Joanna and Tara Martin); Georgia Mason, University of Guelph; Carolyn Doerning, Cincinnati Children's Hospital Medical Center (recommended by Tara Martin)

Decline: Brianna Gaskill, Purdue; Becca Franks, New York University; Kathleen R. Pritchett-Corning, Harvard; Megan LaFollette, Purdue, Carey Allen, Joanna Makowska, University of BC; Jenifer A. Zelig, SLEWTHS, San Jose State University; Jeremy Bailoo, Texas Tech University

Play is a behavior that exists amongst most animals and can be used as an important indicator of positive well-being. Can encouraging research animals to engage in play reduce stress, improve sociality, allow animals to better cope with research procedures, and even facilitate the collection of better data? Speakers will explore how age, sex, and environment affect play, and how researchers can use play as more than enrichment to evaluate animal welfare, enhance adaptability to stressors, and even engage animals in research tasks using play activities.


Learning Objectives:

- Learn how to identify play and why animals play, and understand the connection between play and well-being
- Discuss how encouraging and engaging in play with animals can be a "refinement" to reduce stress associated with common research procedures
- Explore how an animal's natural drive to play and explore can be harnessed to enhance data collection and data quality

Target Audience: IACUC Leadership and Institutional Officials; IACUC Members, Chairs, Vice Chairs; Researchers and Research Staff; Veterinarians, Attending Veterinarians

Icon Key

Basic: Introduction of a topic for those with little or no knowledge; focus is on introducing, explaining, and illustrating basic concepts, principles, regulations, policies, or best practices.

 Sessions span two time periods


 New in 2020

 CPIA recertification credit

 Included in post-conference recordings

Advanced: Assumes mastery of central ethical concepts and principles, the regulations, and the processes of applying them to the day-to-day work of protocol review or research oversight activities. Provides in-depth knowledge of an area and a robust set of skills for addressing difficult problems and navigating "grey areas," improving IACUCs, shaping institutional cultures, or advancing careers. Attendees are expected to have sufficient experience and understanding to contribute to the discussion of and solution to difficult problems.

 Call for Session Proposals

 Pre-registration required

C2: IACUC Chair Roles and Responsibilities Beyond the IACUC Meeting

Jerry Poling, Eli Lilly and Company; Jane Sullivan, University of Washington School of Medicine--SF

Backup: Chris Bashur, Florida Tech, George Babcock, University of Cincinnati College of Medicine; Chris Keator, WMU

Decline: Wayne Barbee, Virginia Commonwealth University

The IACUC has responsibility for all aspects of an animal care and use program. An engaged IACUC chair should take an active role in collaborating with the attending veterinarian and IACUC administrator to thoroughly evaluate the animal care and use program and ensure it is fully within regulatory compliance and implementing best practices. This session will use didactic presentation and discussion among participants to address various ways in which chairs can be more engaged in the overall animal care and use program, beyond simply running the IACUC meeting.

**Learning Objectives:**

- Understand the components and key players of the animal care and use program
- Describe the IACUC's role in evaluating the animal care and use program, from protocol review to animal facilities and veterinary care
- Discuss the role of an actively engaged IACUC chair in ensuring the animal care and use program is fully compliant with regulations, while helping investigators facilitate research

Target Audience: IACUC Members, Chairs, Vice Chairs

C3: Will They Read Beyond the First Line of My Email? Improving IACUC Office Written Communications

(Communication and Networking Track)

Gina Alvino, University of California of San Francisco; Hannah Freundlich (CSP), Mass Eye & Ear- SF

Backups: Alison Cowell, University of California San Francisco; Ellie Karlsson, UCSF- training/outreach; can speak to rethinking training/outreach to focus on adult learners and reach a wider audience

Decline: Jason Villano (English as a second language), University of Michigan [no response]

How can an IACUC office improve written communications so stakeholders read the full text of documents? Important information is often overlooked or ignored by research teams only to result in noncompliance later. In addition, it can be necessary to email committee members or chairs multiple questions related to complex issues, and getting responses can be challenging. Speakers will offer suggestions for improvement of the written communications IACUCs are required to create/send, so those communications better engage and encourage readers to pay more attention to read beyond the first line of text.

**Learning Objectives:**

- Discuss how to improve "at-a-glance reading" (i.e., learning to emphasize important information in written communication)
- Provide strategies for alternatives to all CAPS in regulatory documents and records
- Share insight on how to order and format information and questions to get appropriate responses from committee members and chairs
- Review how to improve information dissemination with both new and experienced researchers to prevent unintentional noncompliance due to lack of knowledge

Target Audience: IACUC Leadership and Institutional Officials; IACUC Members, Chairs, Vice Chairs; IACUC administrators, managers, staff

C4: Reduction and Statistics (Animal Well-Being and the 3Rs Track)

Ken Gordon, NWABR

Backups: Joe Garner, Hanno Würbel, Letty Medina (AbbVie or Hopkins?), Carrie Wolinetz (NIH); Elliot Lilley, RSPCA

Decline: Richard M.A. Parker, University of Bristol; Simon T. Bate, GlaxoSmithKline; William J Browne, University of Bristol; Huw Golledge, Federation for Animal Welfare and the Humane Slaughter Association; Robin A. Clark, Huntingdon Life Sciences; Mark Prescott; Steve Shapiro; Michael F. W. Festing (michaelfesting@aol.com);

Several factors contribute to the acquisition of reliable experimental data, such as elimination of bias in study selection and design, data interpretation/evaluation, and proper reporting and statistics. Poor experimental design and inappropriate statistical analysis has significant welfare considerations when it results in the inefficient use of animals. There are new approaches that can reduce the number of animals while still achieving comparable validity of scientific results and obtaining the same or more information with lower number of animals.

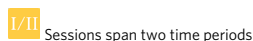
**Learning Objectives:**

- Discuss methods that can reduce the number of animals used in a study such as power analysis, pilot studies, appropriate use of endpoints, use of quality animals and veterinary care, computer simulations, and appropriate experimental design

Target Audience: IACUC Members, Chairs, Vice Chairs; Researchers and Research Staff; Veterinarians, Attending Veterinarians

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C5: Meeting the Challenges in IACUC Administration—Case Studies in Handling Complex Compliance Issues/Situations, Part II (IACUC Administration/Management and Process Track)

Stacy Pritt, University of Texas Southwestern Medical Center at Dallas - *SF*; Neera Gopee, NIH OLAW; Aaron Rhyner, USDA

Backups: Deb Frolicher, The Scripps Research Institute, Marcy Brown, San Diego Animal Welfare

Decline: Rosa Harmon, LA BioMed, Biomedical Research Institute; Christina Nascimento, Brigham and Women's Hospital

Many IACUC administrators, members, and staff struggle with how to handle noncompliance and animal welfare concerns, and what the IACUC should consider when reviewing these cases. In the second part of this two-part session, speakers and attendees will work through case studies on noncompliance and animal welfare concerns, and discuss possible ways to handle these complex situations. Before attending this session, attendees should have a sound working knowledge of the IACUC and the regulations. Important to the session are well-versed IACUC administrators who can share their experiences handling noncompliance and animal welfare issues.



Advanced

Learning Objectives:

- Discuss and analyze simulated, problematic scenarios about when animal welfare concerns are brought to the attention of the IACUC
- Share strategies for gathering information on and achieving resolution of noncompliance and animal welfare issues
- Discuss what potential action could be taken to address repeat occurrences of noncompliance and animal welfare issues

Note: Part I of this session will take place on Monday, April 6th from 1:45-3:00 PM

Target Audience: IACUC Administrators, Managers, Staff; IACUC Members, Chairs, Vice Chairs; Compliance, Regulatory, QA/QI

C6: Reviewing Agricultural-Based Protocols (Oversight of Non-Typical Animals and Situations Track)

Susan Harper, USDA--*SF*; Elaine Kim, Colorado State University

Backups: James G. Strake, Zoetis Animal Research Support, Anne Koontz, PhD, Research Scientist, Slltech; Sherry Vaughn, Zoetis

Decline: Jeremy Marchant-Forde, USDA ARS (Livestock Behavior Research Animal Scientist)

Many of the existing regulations, policies, and guidelines do not neatly align with research that is conducted in an agricultural production environment. Through scenarios, this session will explore the unique challenges IACUC members face when reviewing these types of protocols and facilities. Strategies to provide optimum animal care, oversight, and worker safety will be emphasized.

**Learning Objectives:**

- Review the unique attributes of research involving agricultural species and facilities
- Discuss potential review and oversight challenges with agricultural research programs
- Identify strategies to achieve research objectives and improve animal welfare

Target Audience: Compliance, Regulatory, QA/QI; IACUC Administrators, Managers, Staff; IACUC Members, Chairs, Vice Chairs; Veterinarians, Attending Veterinarians

C7: Compassion Fatigue: Beyond Sharing Your Pain (Program Management Track)

Brianna Skinner, FDA (ILAR Workshop)--*SF*; Sarah Thurston, University of Michigan (created and are running a Compassion Fatigue support group for staff); Temeri Wilder-Kofie, NIH NIAID

Backups: Jenny Jones from University of Michigan, Sally Thompson-Iritani, Preston VanHooser, University of Washington

This session will provide discussion on the use of surveys for taking the pulse of the workforce with respect to compassion fatigue and the effectiveness of group or personalized countermeasures to move the needle.

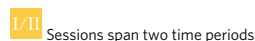
**Learning Objectives:**

- Discuss how to gain an accurate snapshot of compassion fatigue across an institution's animal care and use staff
- Demonstrate what proven group or personal interventions from similarly emotionally taxing workplaces are available for laboratory animal care providers and users
- Explain how to employ staff surveys to track effectiveness of interventions

Target Audience: IACUC Administrators, Managers, Staff; IACUC Leadership and Institutional Officials; IACUC Chairs, Vice Chairs, and Members, Researchers and Research Staff; Veterinarians, attending veterinarians

Icon Key

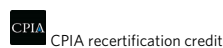
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Sessions span two time periods



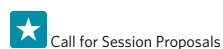
New in 2020



CPIA recertification credit



Included in post-conference recordings



Call for Session Proposals



Pre-registration required

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C8: Reproducibility, Environment, and Design—Research Outcomes (Program Management Track)

Melanie Graham, University of Minnesota; Larry Carbone, retired—**SF**

Backups: Denice O'Connell, Sally Thompson-Iritani; Brianna Gaskill, Purdue University College of Veterinary Medicine; Paulin Jirkof, University of Zurich; Joe Garner

A number of variables influence reproducibility of animal models, including, but not limited to environment, experimental design, and choice of statistical power. There is often reluctance to change the status quo, even if there are implications for improved animal welfare, due to the potential effect on the reproducibility of results. Before attending this session, attendees should have experience or knowledge of experimental design and have familiarity with the topic of reproducibility, as it applies to animal-based research

Advanced

Learning Objectives:

- Review issues surrounding reproducibility, including attrition in drug discovery and development, translation of animal studies to human outcomes, and ways to identify models more or less likely to translate
- Consider how optimal animal welfare can be balanced with potential research outcomes
- Discuss where IACUCs fit into the equation, and how they can improve lines of communication between them and researchers

Target Audience: IACUC Leadership and Institutional Officials; IACUC Administrators, Manager, Staff; Veterinarians, Attending Veterinarians; IACUC Chairs, Vice chairs, Members; Researchers, Research staff

C9: Effective Change Management Processes in an IACUC Office (Qualifications and Training Track)

Buffy Beattie, Huron Consulting Group; Julie E. Freebersyser, Charles River--**SF**

Backup: Lois Zitzow, University of Georgia

Decline: Natalie Mays, New York University Langone Health

IACUC personnel are typically perceived as "regulatory police." In order to clearly illustrate the support services available to researchers by IACUC personnel, organizational change management should be explored. An effective change management project requires professional support from change management consultants either within or outside of the institution.



Learning Objectives:

- Discuss the steps to developing a strong strategy that emphasizes engagement of individuals impacted by change
- Share insight on ways to develop clear and strong advocacy for changes within IACUC, staff, and business processes
- Explore ways to prepare the organization to fully realize the benefits of organizational change management

Target Audience: IACUC Administrators, Managers, Staff; IACUC Leadership and Institutional Officials

4:30-4:45 PM

Break

4:45-6:00 PM

Panel II: When the Study Is Over—Considerations for Reuse, Rehoming, Euthanasia, and More

Moderator: Natalie Bratcher, AbbVie, Inc.

Panelist: Deb Hickman, Indiana University School of Medicine

Panelist: Jennifer Lofgren, Novartis

Panelist: Laura Conour, Princeton University

Backups: Pete Otovic; Pete Smith, Yale; William Hill, Florida State University; Tara Martin, University of Michigan; Sam Cartner

Decline: Troy Hallman

When a study is over, researchers, animal care and use staff, veterinary staff, and the IACUC have a responsibility to ethically consider what happens to the research animals. During this panel, speakers will discuss the revisions to the AVMA Guidelines for Euthanasia of Animals and address strategies and considerations for selecting appropriate practices under this new CO2 guidance, as well as how animal welfare may be impacted or improved and considerations to reduce distress prior to euthanasia. In addition, panelists will address strategies for animal reuse (i.e., non-protein naive non-human primates, rodents for PK, etc.), as well as IACUC considerations regarding reuse, including relevant guidelines, documentation and tracking, scientific impact, and data to support justification of reuse and consideration of cumulative endpoints (USDA regulated species). Finally, speakers will review considerations for rehoming/retirement, including differences between adoption and retirement to sanctuaries and successful adoption programs.

Crystal Ballroom



6:00-7:00 PM

IACUC20 Welcome Reception

Celebrate the opening of IACUC20. During this time, attendees can meet the conference Supporters and Exhibitors. Light refreshments will be served.

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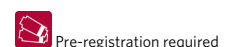
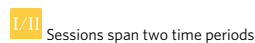
7:00-8:00 PM

Young Professionals Networking Reception

Icon Key

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Connect with other young professionals interested in research ethics and animal care and use, and relax after a busy day at the conference at an off-site location (forthcoming). A complimentary drink ticket will be provided in your registration materials. All attendees are welcome, but drink tickets will be provided for young professional registrants only.

Tuesday, April 7: IACUC20

7:00 AM-12:00 PM

On-Site Check-In Open (Help Desk only)

Attendees on their own for breakfast.

Crystal Ballroom Registration

8:00-8:05 AM

Welcome from Co-Chairs

Crystal Ballroom



8:05-8:10 AM

CPIA and Membership Updates

Crystal Ballroom



8:10-8:30 AM

Remarks from PRIM&R's Board of Directors Chair, Natalie L. Mays, BA, LATG, CPIA

Crystal Ballroom



8:30-9:45 AM

Henry Spira Memorial Presentation: Beyond the 3Rs to a More Comprehensive Framework of Principles for Animal Research Ethics

Crystal Ballroom



Moderator: Sally Thompson-Iritani, University of Washington

Presenters: Tom L. Beauchamp, Professor of Philosophy, Philosophy Department; Senior Research Scholar, Kennedy Institute of Ethics, Georgetown University; David DeGrazia, PhD, Elton Professor of Philosophy, George Washington University; Senior Research Fellow, Department of Bioethics, NIH; Margaret Landi, GlaxoSmithKline

Backup: Margaret Riley

Declined: F. Claire Hankenson; Allyson Bennett

During this session, speakers will discuss the forthcoming book, *Principles of Animal Research Ethics*. Scheduled for publication in fall 2019, the book presents a novel framework of general principles for animal research ethics, one that, the authors argue, is better equipped than the 3Rs framework to respond to public sentiment, advances in science, and concerns about the translation of animal research to human applications.

9:45-10:00 AM

Beverage Break With the Supporters and Exhibitors Supported by Key Solutions, Inc.

Join us for coffee with the IACUC20 Supporters and Exhibitors. PRIM & R would like to thank Key Solutions, Inc. for helping support this break.

Atrium CD

Breakout Sessions Series D, 10:00-11:15 AM

D1: Panel II Follow-Up: When the Study Is Over—Considerations for Reuse, Rehoming, Euthanasia, and More

(Animal Well-Being and the 3Rs Track)

Natalie Bratcher, AbbVie, Inc.--SF; Deb Hickman, Indiana University School of Medicine ;Jennifer Lofgren, Novartis; Laura Conour, Princeton University

Backups: Sam Cartner; Eric Hutchinson, Johns Hopkins University, Tara Martin, University of Michigan, Amber Lange, Clemson University, Sonia Miranda, Novartis Pharmaceuticals Corporation; William Hill, Florida State University, Pete Otovic (has done some work looking at stress), Tara Pete Smith

The reuse of animals in laboratory experiments requires a number of ethical considerations for both IACUCs and scientists. This session will further explore considerations for reuse discussed in *Panel II: When the Study Is Over*, including considerations, guidelines, and strategies for reuse, reuse of non-human primates and non-protein naïve non-human primates, reuse of rodents and scientific impact/justifications for reuse, tools to optimize use/reuse (e.g., tissue sharing strategies), the IACUC's role in maintaining relevant guidelines, documentation, and tracking of reuse, consideration of cumulative endpoints (in USDA species, specifically) and other IACUC perspectives.



Learning Objectives:

- Discuss the ethical and scientific considerations involved in the reuse of animals
- Share strategies necessary for considering the welfare of animals during use and reuse and optimization of reuse
- Review the IACUC's role in considering animal reuse, including how to factor in the level or degree of previous interventions and the cumulative or lifetime welfare of an individual animal

Target Audience: IACUC Leadership and Institutional Officials; IACUC Members, Chairs, Vice Chairs; Researchers and Research Staff; Veterinarians, Attending Veterinarians; IACUC Administrators, Managers, Staff

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Sessions span two time periods



New in 2020



CPIA recertification credit



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Call for Session Proposals



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D2: A Time to Connect: Agency Highlights and Q&A With the Oversight Bodies (Communication and Networking Track)

Brent Morse, NIH OLAW--SF; Jane Na, NIH OLAW; Helen Diggs, AAALAC, International; Robert Gibbens, USDA; Dawn C. Fitzhugh, DoD

NIH OLAW, USDA, APHIS, AAALAC International, and the DoD provide information and interpretation on the regulations, policies, and guidance documents. During this session, attendees will receive critical updates from each agency representative, and will have an opportunity to ask questions. In advance of the session, attendees may submit questions to be addressed publicly. The agencies will present at specific times during the session (forthcoming).

Learning Objectives:

- Receive agency specific updates
- Participate in an open discussion about issues relevant to stakeholders

Note: This session will also be held on Monday, April 6, 11:15 AM-12:30 PM

Target Audience: IACUC Leadership and Institutional Officials; IACUC Members, Chairs, Vice Chairs; Researchers and Research Staff; Veterinarians, Attending Veterinarians; IACUC Administrators, Managers, Staff; Compliance, Regulatory, QA/QI



D3: Artificial Intelligence (AI), Alarm Systems, and Automated Husbandry—Considerations for Emerging Technologies (Hot Topics and Emerging Trends Track)

Amy Kilpatrick, Novartis; Candice Brotchie Fine, Novartis--SF

Backups: Amy and Candice to provide backups

Decline: Szczepan Baran, Veterinary Bioscience Institute; Sean Maguire, GlaxoSmithKline; Denice O'Connell, AbbVie; William Hill, Florida State University

Developing technologies are playing a pivotal role in drug development. Many emerging technologies enable higher quality data or more reproducible endpoints, thus leading to refinement or partial/full replacements in the context of the 3Rs. As more vivaria are becoming equipped with automated monitoring systems, digital endpoints, and utilizing AI, there are increasing opportunities for leveraging such systems to improve husbandry, veterinary intervention and care, and in vivo research outcomes. With such opportunities come new considerations for IACUCs.

Learning objectives:

- Learn about areas of potential 3Rs impact, including environmental monitoring and controls, physiological monitoring, and behavioral assessment
- Discuss how new technologies are providing innovative approaches to determining optimal housing conditions, improved animal study reproducibility, and physiologic and translationally relevant data collection
- Review potential IACUC considerations for implementation and adoption of emerging technologies (i.e., the overall impact of these capabilities when integrated in meaningful ways could reduce animal use and pain and discomfort, notification of morbidity, etc.)

Target Audience: IACUC Leadership and Institutional Officials; IACUC Members, Chairs, Vice Chairs; Researchers and Research Staff; Veterinarians, Attending Veterinarians



D4: The Intersection of IBC and IACUC Administration (IACUC Administration/Management and Process Track)

Michelle Aparicio, Northwell Health--SF; Asmita Kumar, Memorial Sloan Kettering Cancer Center

Backups: Natalie Mays; Jennifer Klahn; Helen O'Meara, OSU; Alyse DiStefano, City of Hope; Ryan Bayha (NIH OSP)

Declined: Tyler Ridgeway, CPIA, IACUC/IBC Administrator, University of Denver; Kathryn Harris, NIH OSP

Many IACUC administrators are charged with additional responsibilities, such as providing support for the IBC. Speakers will review the basic responsibilities of the IBC and share personal experiences with managing both IBCs and IACUCs.

Learning Objectives:

- Review the basic responsibilities of the IBC
- Share strategies for providing administrative support for institutional adherence to the NIH Guidelines for Research Involving Recombinant or Synthetic Nucleic Acid Molecules
- Identify procedural similarities between IBC and IACUC processes and suggest opportunities for reducing burden

Target Audience: IACUC Administrators, Managers, Staff; IACUC Leadership and Institutional Officials; Compliance, Regulatory, QA/QI



D5: Everything You Wanted to Know About the CPIA® Credential (IACUC Administration/Management and Process Track)

Hannah Freundlich, Mass Eye and Ear; Tanise L. Jackson, Florida A&M

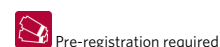
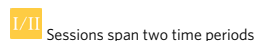
During this session, members of the CPIA Council, a recently certified individual, a recently recertified individual, and attendees will discuss obtaining the CPIA credential and the recertification process. This session is geared toward individuals who are responsible for IACUC administrative functions and who will be eligible to take the certification exam in the next one to two years.

Learning Objectives:

- Discuss the CPIA program and its value
- Go over exam preparation techniques and what to expect on exam day
- Share first-hand advice from a recently certified individual
- Review the path to recertification

Target Audience: IACUC Administrators, Managers, Staff; IACUC Leadership and Institutional Officials; IACUC Chairs, Vice Chairs, and Members

Icon Key



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D6: IACUC Deliberations Using Terrestrial Wildlife Scenarios, Part I (*Oversight of Non-Typical Animals and Situations Track*)

John Bryan, II, Zachery Consulting, LLC--*SF*; Robert Sikes, University of Arkansas at Little Rock; Carol Clarke, USDA (resource person)

Decline: Tracy Thompson, National Park Service

During the first part of this two-part session, speakers will engage attendees in active learning to examine the challenges in the IACUC's review of field studies with terrestrial species.



Learning Objectives:

- Discuss the ethical concepts and principles, regulations, and processes involved in terrestrial wildlife research
- Review whether activities fall under field studies exemption
- Consider species differences, especially regarding protected status, physiologic needs, and seasonality; explore impacts on populations and communities

Note Part II of this session will take place on Tuesday, April 7, 12:45-2:00 PM

Target Audience: Compliance, Regulatory, QA/QI; IACUC Administrators, Managers, Staff; IACUC Members, Chairs, Vice Chairs; Researchers and Research Staff; Veterinarians, Attending Veterinarians

D7: How Active Postapproval Monitoring (PAM) Can Work at Smaller Institutions (*Program Management Track*)

Toni O'Connell (CSP), Pfizer, Inc.; TBD

Backups: Chieko Azuma, Kansas State University of Veterinary Medicine

Decline: Christina Nascimento (CSP), Brigham and Women's Hospital--*SF*

Successful PAM processes can enhance compliance and facilitate research and teaching. Since smaller institutions may only have one to three administrative staff members to support the IACUC, the establishment of an active PAM program can be difficult. However, since IACUC administrators are familiar with animal research protocols, monitoring the conduct of that research could be a natural extension of IACUC office function. This session will discuss the role of PAM in institutions with limited resources, and show how some PAM processes used at larger institutions may be incorporated into smaller programs without excessive burden.



Learning Objectives:

- Identify common inspection patterns and statistics across animal care and use programs to create and review a self-assessment tool and reduce regulatory burden
- Discuss methods to engage and empower scientists prior to inspection to facilitate an "Us" PAM program rather than a PAM specialist versus the principal investigator
- Share techniques for having the difficult conversation regarding noncompliance

Target Audience: Compliance, Regulatory, QA/QI; IACUC Administrators, Managers, Staff; IACUC Leadership and Institutional Officials

D8: De Novo to Three Year Review: The Process in Transition (*Protocol Review Track*)

Kathryn Cavanaugh, University of Texas Southwestern; TBD

Decline: Felicia Ponce (CSP), Texas Biomedical Research Institute

In this session, presenters will discuss the methods for transitioning from requiring de novo applications to three year reviews, from the perspective of an institution that has gone through the transition, and one beginning the process. This session will discuss applicable forms, what's worked, pros and cons, expectations, and outcomes. Before attending this session, attendees should understand the regulatory requirements and differences between the continuing reviews required by USDA and the PHS Policy.



Learning Objectives:

- Learn how to implement a transition to three year reviews
- Discuss how to ensure continued compliance while reducing administrative burden
- Evaluate current systems for efficiency in transitioning to three year reviews

Target Audience: Compliance, Regulatory, QA/QI; IACUC Administrators, Managers, Staff; IACUC Members, Chairs, Vice Chairs; Researchers and Research Staff; Veterinarians, Attending Veterinarians; IACUC Leadership and Institutional Officials

D9: New Investigator at the Institution? How Do You Get Them on the Right Track from the Get-Go?

(*Qualifications and Training Track*)

Mandy Kozlowski, Northwestern University--*SF*; Joanne Zahorsky-Reeves, UCLA

Backups: Chieko Azuma, Kansas State University of Veterinary Medicine

Decline: Hana Bao, SoBran, Inc.

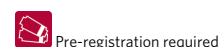
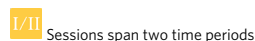
Each institution may have different processes and procedures for onboarding new investigators. Successful relationships with new researchers not only assists with better facilitating the research process, but creates a platform for open communication regarding training and compliance matters. Speakers will discuss onboarding processes to facilitate the establishment of animal research program evaluating overall needs and avoiding unnecessary delay as some of the research programs may need to be reviewed by other compliance committees.



Learning Objectives:

- Share strategies for designing onboarding process for new investigators
- Review methodologies used to assist investigators in better developing animal protocols
- Identify training needs and institutional resources through animal protocol application

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Tuesday, April 7: IACUC20

11:15 AM-12:30 PM

Crystal Ballroom

Plenary Lunch Session: Regulatory Harmonization Without Compromising Welfare

Moderator: B. Taylor Bennett, National Association for Biomedical Research

Panelist: Patricia Brown, NIH OLAW

Panelist: Robert Gibbens, USDA

Panelist: Brianna Skinner, FDA

What is the 21st Century Cures Act and how does it affect you? In this interactive session, panelists will provide an overview of the 21st Century Cures Act, Section 2034, and discuss proposed changes to regulations and policies to reduce administrative burden on researchers. The decisions of the USDA, NIH, and FDA to implement the recommendations of the 21st Century Cures Act Section 2034(d) Working Group will be discussed. Participants will be given the opportunity to discuss how the changes proposed in the Working Group's final report, *Reducing Administrative Burden for Researchers: Animal Care and Use In Research* will impact their program. Agencies will also explain the process moving forward.



Breakout Sessions Series E, 12:45-2:00 PM

E1: Change is Coming—Updates to the AVMA Panel on Euthanasia (Hot Topics and Emerging Trends Track)

Deb L. Hickman, Indiana University School of Medicine--SF; Brent Morse, NIH OLAW (resource person); Michelle Creamer-Hente, The Jackson Laboratory; Natalie Bratcher, AbbVie, Inc.

Backups: Samuel C. Cartner

The AVMA has formalized the interim revisions the Guidelines on Euthanasia, introducing changes to the recommendations for CO2 for laboratory rodents and changes to several euthanasia techniques for rabbits. Humane euthanasia remains one of the most important aspects of laboratory animal welfare. Before attending this session, attendees should have a clear understanding of the current AVMA guidance for CO2 euthanasia of small rodents.

Learning Objectives:

- Review the changes to the AVMA Guidelines
- Discuss the current literature and how data and pilot assessments can be used to support data-driven decisions

Target Audience: Compliance, regulatory, QA/QI; IACUC Leadership and Institutional Officials; IACUC Members, Chairs, Vice Chairs; Researchers and Research Staff; Veterinarians, Attending Veterinarians



E2: Developing and Implementing Proactive Communication Strategies Surrounding the Use of Animals in Research (Communication and Networking Track)

Susan Glowacz, Indiana University; Ken Gordon, Northwest Association for Biomedical Research--SF; Jim Newman, Americans for Medical Progress; someone from SeaWorld?

Backup: Melinda Bruns; Mandy Kozlowski, Northwestern University

Decline: Amanda Carson Banks, California Biomedical Research Association; Allyson Bennett; Justin Lahmers, OSU; Chris Braunger, UW; Amy Puffenberger, University of Michigan; Mike Andrews, University of Iowa; Susan DiClemente, Novartis

Organizations that employ proactive communication strategies surrounding the use of animals in biomedical research often develop vital tools to help explain how animal based research is conducted and the dynamic oversight process that regulates this activity. Adopting a transparent and proactive strategy to communicate with public audiences about animal research can benefit organizations by minimizing reactive responses when things go wrong and help to foster more positive public understanding of animal research.

Learning Objectives:

- Discuss why a proactive communication strategy is beneficial to the organization and animal research in general
- Review the resources available that can help institutions and organizations develop a proactive communication program
- Identify key messages for an effective communication plan
- Provide examples of effective communication strategies with internal and external audiences
- Share tips for how to communicate in a variety of situations, such as planned press releases, social media, and interviews

Target Audience: IACUC Leadership and Institutional Officials; IACUC Members, Chairs, Vice Chairs; Researchers and Research Staff; Veterinarians, Attending Veterinarians; IACUC Administrators, Managers, Staff



Tuesday, April 7: IACUC20

Breakout Sessions Series E, 12:45-2:00 PM

E3: The Use of Non-Human Primates in Research—Are We Equipped to Manage? (Hot Topics and Emerging Trends Track)

Saverio Capuano, Wisconsin National Primate Research - SF; Elizabeth Clemmons, Texas Biomedical Institute;

Backups: Tara Martin, University of Michigan

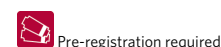
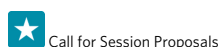
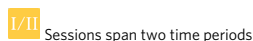
Decline: Lisa Halliday, University of Illinois at Chicago; Sally Thompson-Iritani, University of Washington; Carey Allen, Abbvie;

Patrick Lester, University of Michigan; Steve Schapiro; Megan Nowland, University of Michigan; D. Christin Veeder, Emory University; Peter Otovic, Primate Products, Inc.; Amber Lange, Novartis

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Many NHPs are used in research presenting challenges related to management and care of animals with implanted devices and ported animals (CSF and blood), housing and enrichment needs, development of behavioral management and socialization programs, and prolonged restraint. Developments in less invasive imaging modalities may provide refinements and reductions leading to more translational models, but also pose challenges related to anesthesia and restraint training for imaging. As NHPs continue to be used for research, we need to ensure that we have appropriate veterinary health and welfare management in place.



Learning Objectives:

- Learn about how NHPs are being used in research
- Discuss management plans for oversight of veterinary health and welfare including pre-study planning, communication plans for health/welfare complications, strategies and considerations for reuse and retirement, and appropriate documentation and record keeping
- Discuss developing programs for behavioral management and appropriate veterinary care.

Target Audience: IACUC Administrators, Managers Staff; IACUC Members, Chairs, Vice Chairs; IACUC Leadership and Institutional Officials; Researchers and Research Staff; Veterinarians, Attending Veterinarians

E4: Reserved for Late-Breaking Session

E5: Effectively Identify, Track, and Report Departures—Meeting OLAW and USDA Requirements

(IACUC Administration/Management and Process Track)

Richelle L. Scales, University of California, Berkeley--**SF**; Neera Gopee, NIH OLAW; Aaron Rhyner, USDA

This session will actively engage the audience in a discussion on departures from OLAW and USDA requirements. Case studies and scenarios surrounding departure reporting will be evaluated by the audience. Before attending this session, attendees should have familiarity with exceptions from regulations and IACUC office management.



Learning Objectives:

- Discuss the meaning of "departure" based on the PHS Policy and Animal Welfare Act and Regulations
- Review OLAW's and USDA's reporting requirements for departures
- Outline ways to track departures for reporting purposes

Target Audience: Compliance, Regulatory, QA/QI; IACUC Administrators, Managers, Staff; IACUC Leadership and Institutional Officials

E6: IACUC Deliberations Using Freshwater and Marine Species Scenarios, Part II

(Oversight of Non-Typical Animals and Situations Track)

Phil Harris, University of Alabama; Axel Wolff, OLAW (resource person); someone from SeaWorld?

Backups: Craig Harms, NCSU; Paul Webb, UMich (emeritus)

Decline: Mike Stoskopf, North Carolina State (<https://cvm.ncsu.edu/directory/stoskopf-michael/>); Robert Ossiboff, University of Florida (<https://www.vetmed.ufl.edu/about-the-college/faculty-directory/robert-ossiboff/>); Greg Lewbart, North Carolina State University College of Veterinary Medicine; Brian Joseph, bjoseph@agr.wa.gov (recommended by Sally)

During the second part of this two-part session, speakers will engage attendees in active learning to examine challenges for the IACUC in reviewing field and captive studies with aquatic species.



Learning Objectives:

- Discuss the ethical concepts and principles, regulations, and processes involved in aquatic wildlife research
- Review whether activities fall under field study exemption
- Discuss challenges for capture, handling, housing (short and long-term), and conducting procedures with potential for pain and distress
- Explore impacts on populations and communities

Note: Part I of this session will take place on Tuesday, April 7, 10:15-11:30 AM

Target Audience: IACUC Administrators, Managers Staff; IACUC Members, Chairs, Vice Chairs; Researchers and Research Staff; Veterinarians, Attending Veterinarians; Compliance, Regulatory, QA/QI

Tuesday, April 7: IACUC20

Breakout Sessions Series E, 12:45-2:00 PM

E7: Innovative and Alternative Approaches to Program and Facility Review (Program Management Track)

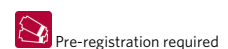
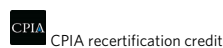
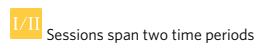
Shay Cook (CSP), University of California Berkeley--**SF**; Melinda Bruns, The Ohio State University; Susan Harper (CSP), Department of Veterans Affairs

Backups: Justin Lahmers, The Ohio State University, Thomas Todd, University of Houston; Rachel Cameron, Pfizer

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Assessing the impact and success of new research program oversight strategies can pose challenges because benefits may not be apparent or easily measurable during the early stages of deployment. Developing quality performance goals and quantitative, outcome-focused metrics to assess and monitor incremental progress throughout the adoption and implementation process can provide valuable feedback and opportunities for course correction as the oversight system evolves. This session will focus on options to objectively monitor and compare the quality and effectiveness of animal program oversight and compliance procedures. Before attending this session, attendees should have knowledge of legal and regulatory requirements for program reviews and facility inspections and ideally have experience with these activities.



Learning Objectives:

- Comparison of qualitative and quantitative assessment procedures for IACUCs to monitor repeat offenses and noncompliant PI's and labs
- Discussion of challenges in developing objective quality indicators that correspond to oversight program success
- Review of proactive strategies to ensure effective oversight, such as mock inspections and training programs for research staff and IACUC members

Target Audience: IACUC Leadership and Institutional Officials; IACUC Administrators, Manager, Staff; Veterinarians, Attending Veterinarians

E8: Significant Changes and Veterinary Verification and Consultation (VVC) (Protocol Review Track)

Sylvia Gografe, Florida Atlantic University; Jori Leszczynski, University of Colorado Denver--SF; Jane Na, NIH OLAW

Backups: Elaine Kim, Colorado State University, Lon Kendall, Colorado State University

Decline: Gwen Waddingham, The University of Iowa

Guidance has been established for a few years, and it was intended to allow institutions to more rapidly respond to the changing needs of investigators, while still ensuring appropriate review, including those that fall under traditional veterinary purview (e.g., anesthetics and analgesics). Speakers will use case-based discussions to explore this topic. Before attending this session, attendees should review the two OLAW webinars on this topic.



Learning Objectives:

- Review examples of how to implement the Guidance appropriately by developing institutional policies and guidance documents
- Provide real life institutional examples
- Share examples of strategies that can be used to change protocols, either through VVC or administrative review, while also meeting the documentation standards of the Guidance
- Discuss how to create standard operating procedures for common experimental procedures, including the pros and cons of having pre-approved procedures

Target Audience: IACUC Administrators, Managers Staff; IACUC Members, Chairs, Vice Chairs; Researchers and Research Staff; Veterinarians, Attending Veterinarians; Compliance, Regulatory, QA/QI; IACUC Leadership and Institutional Officials

E9: The Attending Veterinarian (AV) and the IACUC—Reluctant Partners or Dynamic Duos? (Qualifications and Training Track)

Jennifer Klahn, University of California, Los Angeles; Joanne L. Zahorsky-Reeves (CSP), University of California, Los Angeles--SF

This session will review the regulations pertaining to the responsibilities of the AV and IACUC—what might be the "good, better, best" practices for meeting those regulations for animal welfare, reduced regulatory burden, while also maintaining balance of the IACUC-AV-IO three-legged stool paradigm. Speakers will share their experiences, examine mock case reports with the audience to determine what might have been done differently, and engage attendees in discussions of issues from their own facilities to identify and (begin to) solve individual challenges.



Learning Objectives:

- Review the regulations regarding the IACUC and the AV
- Develop the ability to apply knowledge of the regulations to seek AV input and guidance for high animal welfare standards
- Discuss how to successfully involve/integrate the AV and IACUC at an institution, including how to negotiate who is responsible for what

Target Audience: Compliance, Regulatory, QA/QI; IACUC Administrators, Managers, Staff; IACUC members, chairs, vice chairs; veterinarians, attending veterinarians

2:00-2:15 PM

Break

Tuesday, April 7: IACUC20

Breakout Sessions Series F, 2:15-3:30 PM

F1: Who's Driving the 3Rs—Welfare Science and Does it Matter? (Animal Well-Being and the 3Rs Track)

Jennie Lofgren, University of Michigan Medical School--SF; Jim Newman, Americans for Medical Progress

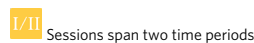
Backups: Cindy Buckmaster, Baylor College of Medicine

Decline: Natalie Bratcher, AbbVie, Inc

Those involved with caring for and engaging animals as an essential part of research support the growing need for the 3Rs and alternatives. The culture within the industry has rapidly evolved, and many are going above and beyond regulations and guidelines to implement 3Rs, which will ultimately lead to more impactful science and improved animal welfare. Over the years, animal rights (AR) organizations have attempted to characterize animal research as useless, and restrict the ability of research organizations to work with animals in science through various initiatives and agendas. As these groups become more strategic, they are rebranding the 3Rs through the AR lens and utilizing shared platforms, such as science consortia



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and grant programs, to attempt to ground and inaccurately legitimize existing alternative technologies as full replacements for animals in research. The 3Rs has the power to provide a framework for developing more humane and predictive research strategies. Concurrent with our investment in the 3Rs, animals continue to play a crucial and necessary role in advancing biomedical progress and our ability to produce life-changing healthcare products. While research organizations are making significant advances in the 3Rs, they are often prevented from sharing these advances with the public because of a reflexive fear to embrace transparency that is based on AR threats of the past. Before attending this session, attendees should understand the regulatory requirements and differences between the continuing reviews required by USDA and the PHS Policy.

Learning Objectives:

- Discuss why it is critical the field be allowed to share 3Rs advances as a platform for educating the broader public about why animals are still necessary in basic and applied research
- Review why it is critical the field become more transparent in sharing impactful 3Rs efforts, as well as educating the broader public about where animal research is necessary
- Share how to overcome barriers to transparency

Target Audience: IACUC Leadership and Institutional Officials; IACUC Members, Chairs, Vice Chairs; Researchers and Research Staff; Veterinarians, Attending Veterinarians; IACUC Administrators, Managers, Staff

F2: Timing and Substance—How to Prepare and Respond When Things Go Wrong
(Communication and Networking Track)

Saverio Capuano, Wisconsin National Primate Research; Sally Thompson-Iritani, University of Washington--SF
Backup: Jim Newman, Americans for Medical Progress (already on F1); Amanda Carson Banks,
Decline: Greg Timmel, Oregon Health & Science University

The combined effect of Murphy's Law, human fallibility, and moving targets for ethical, veterinary, and regulatory standards, is that things go wrong—in animal research as in any other area of human endeavor. How animal research program participants respond makes all the difference. This session will focus on how to use the process of identifying and addressing problems to improve the animal care and use program, instead of only ensnaring the program in ever increasing and counterproductive regulatory burden. Specific topics to be addressed include what to do with the findings that come from AAALAC International site visits, and what to do about problems that are self-identified. Before attending this session, attendees should have a good understanding of the regulations governing animal care and use in research, and be able to speak to the value of institutional programs.



Learning Objectives:

- Consider how the timing of the responses can impact their efficacy, and how much administrative burden is involved
- Examine the requirements for self-reporting and the need to make sure compliance supports improved animal care and use

Target Audience: IACUC Leadership and Institutional Officials; IACUC Members, Chairs, Vice Chairs; Veterinarians, Attending Veterinarians; IACUC administrators, managers, staff; Compliance, Regulatory, QA/QI

F3: Research Animal Retirement/Adoption—Response to Adoption-Directed Legislation
(Hot Topics and Emerging Trends Track)

Laura Conour, Princeton University--SF; Tara Martin, University of Michigan, Brent Morse, OLAW (resource person)
Backups: Jim Newman, AMP; William Hill, FLU; Troy Hallman, Yale University; Pete Otovic (has done some work looking at stress),
Decline: Tom Leach, New Jersey Association for Biomedical Research (would like to be considered in the future); Carey Allen, Abbvie

With state and national legislative attention on research animal retirement and adoption, IACUCs need to consider what components should be included in their institution's approach. Before attending this session, attendees should be familiar with programs that have, or potentially will, house species likely to be covered by state and national legislation, and should have awareness of the ethical concerns with adoption of purpose-bred animals.



Learning Objectives:

- Learn about the current legislative environment
- Identify the ethical concerns related to retirement and adoption
- Discuss strategies for navigating this issue, lessons learned, and how to work proactively to develop programs and plans for their institutions

Target Audience: IACUC Leadership and Institutional Officials; IACUC Members, Chairs, Vice Chairs; Veterinarians, Attending Veterinarians; IACUC Administrators, Managers, Staff; Compliance, Regulatory, QA/QI; Researchers and Research Staff

Tuesday, April 7: IACUC20
Breakout Sessions Series F, 2:15-3:30 PM

F4: I Have My CPIA, Now What? (IACUC Administration/Management and Process Track)

Rachel Murray, Cincinnati Children's Hospital Medical Center; Helen O'Meara, The Ohio State University; TBD
Backups: Bill Greer, University of Michigan, Tanise Jackson, Florida A&M
Decline: Shameen Afif-Rider, AstraZeneca

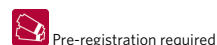
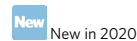
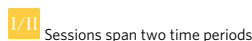
This session will explore what jobs are available for IACUC administrators, and what skills and experiences would help with professional advancement in the field. Speakers will consist of seasoned professionals who can provide insight on education, pathways to advancement, limitations to career advancement, and more.



Learning Objectives:

- Identify possible career paths for IACUC administrators after obtaining the CPIA
- Describe the skills and experiences that have helped others advance in their careers

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- Discuss possible limitations to career advancement

Target Audience: IACUC Administrators, Managers, and Staff

F5: Clinical Pet Animal Trials and Spontaneous Disease (*Oversight of Non-Typical Animals and Situations Track*)

Nicolette Petervary, NIH OLAW; TBD; Dr Sheliah Robertson (drrobertson@lapoflove.com)

Backup: Someone from the dog aging project-Matt Kaeberlin, UW; Philippe Baneux, Rod Page

Decline: Val Bergdall, The Ohio State University (author of 2018 article on topic), Lon Kendall, Colorado State University; Duncan Lascelles, North Carolina State University (veterinary scientist utilizing natural models of disease); Sarah Moore, The Ohio State University; Allison O’Kell, University of Florida; Michele Sharkey, FDA (experience with natural models of disease) (emailed 3 times); Andrea Powell, FDA; Dotty Brown, Elanco (recommended by Duncan) brown_dorothy@elanco.com; Rowan Milner, University of Florida;

Increasingly, research studies are being conducted with privately owned animals. Naturally occurring models of disease in animals could contribute to improve translation to humans. Additionally, clinical trials with client owned animals facilitate improved veterinary care. The benefits for these kinds of studies and their unique oversight needs will be discussed. Before attending this session, attendees should have a working knowledge of the Animal Welfare Act and the *Guide*, as well as familiarity with the concepts of IRB approval of human clinical trials, including informed consent.



Learning Objectives:

- Review the scientific opportunities presented by studying naturally occurring diseases in veterinary patients
- Evaluate the various unique ethical questions raised in veterinary clinical trials
- Discuss how to appropriately meet regulatory oversight requirements for these kinds of studies

Target Audience: IACUC Leadership and Institutional Officials; IACUC Members, Chairs, Vice Chairs; Veterinarians, Attending Veterinarians; IACUC Administrators, Managers, Staff; Compliance, Regulatory, QA/QI; Researchers and Research Staff

F6: How Can Internal Regulation Promote Animal Welfare? (*Program Management Track*)

Megan Nowland, University of Michigan; Aubrey Schoenleben, University of Washington--**SF**

Decline: Pat Turner, University of Notre Dame (IOC or IQ Representative)

Does regulatory burden promote animal welfare? The field is often tempted to create a new policy, guideline, or standard operating procedure to cover all scenarios and prevent any incidence of poor welfare. However, overly prescriptive internal regulation may stifle creative solutions and be too rigid to allow for the unpredictable nature of scientific developments or animal needs. This session will feature organizations that have considered how to find balance to their approach.



Learning Objectives:

- Explore when and how internal regulations should be used to support animal welfare
- Review who should craft the regulation and who are the stakeholders
- Work through examples of flexible and prescriptive guidance, and evaluate the impact on animal welfare

Target Audience: IACUC Leadership and Institutional Officials; IACUC Members, Chairs, Vice Chairs; Veterinarians, Attending Veterinarians; IACUC Administrators, Managers, Staff; Compliance, Regulatory, QA/QI; Researchers and Research Staff

F7: Leading Up, Down, and Across Your Organization (*Protocol Review Track*)

Jori Leszczynski, University of Colorado Denver--**SF**; Martha Jones, Partners Healthcare

Leaders come from all areas of an organization, with most rarely at the top of the organizational structure and who often need to manage a boss, peers, and subordinates. Interacting with staff at all levels requires different approaches and skills, including managing-up, engaging peers, and managing teams, as well as how to manage your own leadership style with your subordinates. This session will cover levels of leadership, how leaders can lead when they are not “at the top,” and how learning how to lead when you are not in charge can help prepare you for the next level of leadership.

Learning Objectives:

- Discuss what makes someone a leader
- Outline the challenges of being a leader in the middle of an organization and discuss ways to address those challenges
- Discuss various leadership styles and strategies and when they should be applied to successfully lead your team

Target Audience: IACUC Leadership and Institutional Officials, Chairs/Vice Chairs, Attending Veterinarians, IACUC Administrators, Managers

Tuesday, April 7: IACUC20

Breakout Sessions Series F, 2:15-3:30 PM

F8: Strategies for Meeting Regulatory Training Requirements Across an Animal Care and Use Program

(*Qualifications and Training Track*)

Amy Kuei-Lan Chuang, VCU (went through ICARE training and has implemented AL strategies for training the IACUC at VCU);

Patricia Brown, NIH OLAW; Elizabeth Theodorson, USDA

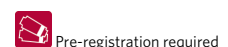
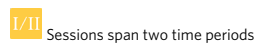
Backups: Christina Nascimento, Brigham and Women’s Hospital, Wayne Barbee, Virginia Commonwealth University (has have gone through ICARE training and have implemented some AL strategies for training the IACUC at VCU); Michelle C. Stickler, University of Texas at Austin; Kiirsa Pokryfke, University of Michigan ((ICARE/AL)

Decline: Skye Rasmussen, NYU Langone Health

This session will provide a basic overview of OLAW and USDA expectations for training the various contributors to an animal care and use program. A brief overview of adult learning styles will be provided with presenters sharing examples of



Icon Key



Basic: Introduction of a topic for those with little or no knowledge; focus is on introducing, explaining, and illustrating basic concepts, principles, regulations, policies, or best practices.

Advanced: Assumes mastery of central ethical concepts and principles, the regulations, and the processes of applying them to the day-to-day work of protocol review or research oversight activities. Provides in-depth knowledge of an area and a robust set of skills for addressing difficult problems and navigating “grey areas,” improving IACUCs, shaping institutional cultures, or advancing careers. Attendees are expected to have sufficient experience and understanding to contribute to the discussion of and solution to difficult problems.

effective training programs that target this aspect of learning. This session will be discussion based to provide an opportunity for sharing ideas. **Learning Objectives:**

- Identify the OLAW and USDA requirements/expectations for training the IACUC, researchers, animal care staff, and others involved in the animal care and use program
- Describe basic adult learning styles (e.g., audio, visual, kinesthetic) to help guide the development and implementation of effective training programs
- Describe examples of training programs that have been implemented in animal care and use programs
- Explore strategies to assess the effectiveness of training such as written exams, improved task/job performance, decrease in adverse events and regulatory noncompliance

Target Audience: IACUC Leadership and Institutional Officials; IACUC Members, Chairs, Vice Chairs; Veterinarians, Attending Veterinarians; IACUC Administrators, Managers, Staff; Compliance, Regulatory, QA/QI; Researchers and Research Staff

F9: Reserved for Late-Breaking Session

3:30-3:45 PM

Beverage Break With the Supporters and Exhibitors

3:45-5:00 PM

Panel III: Sex Bias in Research

Moderator: *Melanie Graham, University of Minnesota*

Backup: Jennifer Klahn, Janet Stewwedel, San Jose State University

Panelist: *Rebecca Shansky, Northeastern University* (author of "Are hormones a 'female problem' for animal research?" in Science, could speak issues of sex bias in research with a particular focus on rodents in neuroscience research)

Panelist: *Natalie Tronson, University of Michigan*

Panelist: *Liisa Galea, University of British Columbia*

Back-up: Janine Clayton

Declined: Melina Kibbe, University of North Carolina; Katie Hinde, Arizona State University; Julienne Rutherford, University of Illinois at Chicago College of Nursing (no response); Tracy Thompson, National Park Service


Much research is done using only male animals, and male subjects are overwhelmingly the subjects in human clinical trials. If findings in animal studies are to lead to results that are applicable to women patients as well as men, disease models that are developed and validated with only male animals are unlikely to produce optimal results. To take just one example, the FDA recently reduced the dose of Ambien for women because it discovered, after a number of traffic accidents following use of the drug, women metabolize the drug more slowly than men, and 80% of adverse events reported after drug approval were reactions reported by women. However, shifting from a practice of using all-male animal studies for the sake of scientific simplicity may introduce other complications for researchers, animal care programs, and IACUCs, including husbandry of mixed-sex animal populations, rethinking "unnecessary duplication" in the light of the shortcomings of past single-sex research studies, identifying circumstances where mixed-sex studies are *not* scientifically appropriate, and negotiating the role of the IACUC in helping researchers shift to appropriate sex balance in their research studies. Panelists will speak to these topics and share insights on what those working in research oversight, animal care and use programs, and IACUCs should know.





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 Sessions span two time periods

 CPIA recertification credit

 Call for Session Proposals

 New in 2020

 Included in post-conference recordings

 Pre-registration required