

THURSDAY, MARCH 14, 2024 — *WHAT DOES THE FUTURE HOLD?*

8:30-8:45 AM – Thinking of the Future: Thought Exercise

8:45-9:30 AM –



## SPECIAL PRESENTATION

**Spaceflight Microbiology:**  
Mitigating Health and Habitat Risks  
while Living and Working in Space

C. Mark Ott, PhD, Microbiology Laboratory, NASA

9:30-10:00 AM – Break

10:00-11:45 AM – Pathogens of the Future

Jonathan Towner, PhD, Viral Special Pathogens Branch, CDC

Zachary Weiner, PhD, Bacterial Special Pathogens Branch, CDC

Christina Hutson, PhD, Poxvirus and Rabies Branch, CDC

Ann M. Powers, PhD, Arboviral Diseases, CDC

Christine Szablewski, DVM, National Center for Immunization and Respiratory Diseases, CDC

11:45-12:00 PM – Now Go Change the Future

## REGISTRATION INFORMATION

**SYMPOSIUM FEE:** Includes: Opening Reception, Special Activities, attendance at Symposium sessions, and lunch on Tuesday and Wednesday. Plus many new ideas and experiences!

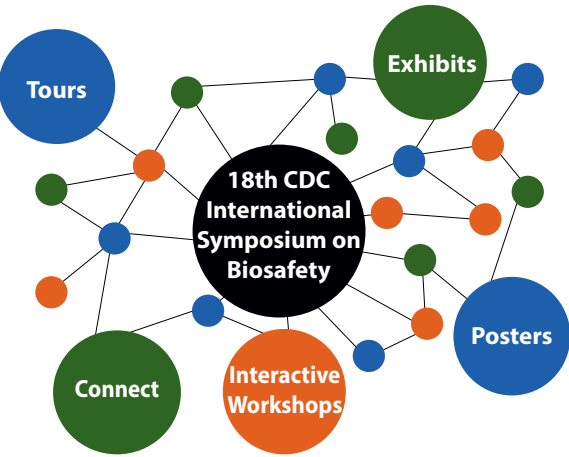
	BY JANUARY 30, 2024	AFTER JANUARY 30, 2024
Symposium	\$945	\$995
4 Hour Presymposium Workshop	\$395	\$395

**REGISTRATION INFORMATION:** To register for this symposium online, please go to [www.eagleson.org/CDC](http://www.eagleson.org/CDC) or call +1(207) 490-1076 to register by phone or request a registration form.

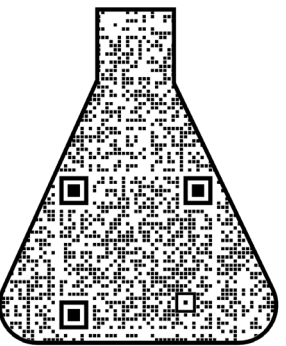
**CANCELLATION POLICY:** Cancellations made on or before February 9th, 2024, will be refunded in full minus a \$75.00 processing fee. No refunds will be given after this date, or if registrant fails to attend. Substitutions can be made at any time. All cancellations or substitutions must be submitted in writing.




An experience you don't want to miss!



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 **EAGLESON INSTITUTE**  
175 Gatehouse Road  
Sanford, ME 04073



18th CDC International Symposium  
on Biosafety

# Modernizing Biosafety Operations and Practices

2024

March 10-14, 2024 - Crowne Plaza Ravinia, Atlanta, GA







18th CDC International Symposium on Biosafety

Modernizing Biosafety Operations and Practices

2024

PRECONFERENCE CLASSES/TOURS

SUNDAY, MARCH 10, 2024

Morning Session 8:00 AM - 12:00 PM	<b>#1 Preconference Class Biosafety 101</b>  Scott Alderman, MS, CBSP, Duke University Medical Center  Paul Meechan, PhD, RBP, CBSP, Biosafety Consultant
Afternoon Session 1:00 PM - 5:00 PM	<b>#2 Preconference Class Establishing Biosafety Levels in The Field</b>  Marc Valitutto, VMD, EcoHealth Alliance
	<b>#3 Preconference Class Reviewing Past Exposures to Improve Biosafety</b>  Mike Pentella, PhD, D(ABMM), State Hygienic Laboratory, University of Iowa

MONDAY, MARCH 11, 2024

Morning Session 8:00 AM - 12:00 PM	<b>#4 Preconference Tour Emory Primate Center Field Research Station</b>
	<b>#5 Preconference Class Navigating the Integration of Biosafety, Biosecurity, and Emergency Management</b>  Christine C. Lawson, PhD, RBP (ABSA), CBSP (ABSA), Biorisk Program Office, DoD  Mary R. Chizmar, Biorisk Program Office, DoD
Afternoon Session 1:00 PM - 5:00 PM	<b>#6 Preconference Tour CDC Tours (The David J. Sencer CDC Museum Tour, CDC Laboratory Training Facility Tour, and CDC Emergency Operations Center Tour)</b>
	<b>#7 Preconference Class Risky Business: Animal Biosafety Assessments</b>  Sarah Genzer, DVM, DACLAM, Comparative Medicine Branch, CDC  Jillian Condrey, DVM, PhD DACLAM, Comparative Medicine Branch, CDC  Sherrie Jean, DVM, DACLAM, Comparative Medicine Branch, CDC  Alyssa Kleymann, DVM, MSc, Comparative Medicine Branch, CDC  Eric Velazquez, DVM, PhD, Comparative Medicine Branch, CDC  Lucie Noall, DVM, MPH, Comparative Medicine Branch, CDC

OPENING RECEPTION / MEET EXHIBITORS

MONDAY, MARCH 11, 2024 • 6:00 - 7:30 PM

CONFERENCE AGENDA

TUESDAY, MARCH 12, 2024 — THE MODERN WORKPLACE

8:00-8:15 AM - Welcome

8:15-9:00 AM - **Towards a Zero-Carbon Future: Reducing Environmental Impact in Laboratory Operations**  
James Connelly, CEO My Green Lab



**James Connelly, CEO, My Green Lab**  
James is a visionary sustainability executive with a track record of growing organizations that have transformed industries in multiple sectors, including manufacturing, real estate, tech, and life science.  
  
**Towards a Zero-Carbon Future: Reducing Environmental Impact in Laboratory Operations**  
The scientific community has a significant environmental footprint, involving intensive use of energy and resources. With the consequences of climate change and ecological breakdown playing out in real time, scientists now have an important, urgent role to play in catalyzing solutions. My Green Lab's mission is to create a culture of sustainability through science. In this keynote presentation, we will discuss the vision of a zero-carbon lab of the future and its importance in modernizing biosafety operations and reducing the environmental impact of laboratory operations. We will discuss the key areas for the reduction of carbon footprint including energy-efficient design, renewable energy sources, and procurement of sustainable products. Attendees will learn how My Green Lab Certification can help laboratories reduce their carbon footprint and contribute to a zero-carbon future.

9:00-9:50 AM – **UGA Sustainability: A Success Story**  
Star Scott, University of Georgia

9:50-10:20 AM – Break with Exhibitors

10:20-11:05 AM – **Modern Lab Design: The Power of Zero**  
Jacob Werner, AIA, LEED, WELL, CPHC, Ellenzweig

11:05-11:55 AM – **Modern Technologies in Animal Research Facilities**  
Mark Hulin, DVM, ACLAM, LAM&S Consulting

11:55-1:20 PM – Lunch/ Visit Exhibitors


WORKSHOPS

<b>Workshop One Options:</b> 1:20-2:20PM	<b>A - Sustainability Open Space Discussion</b> James Connelly, CEO, My Green Lab	<b>B - Lab/Office Interface Design and Reorganization</b>	<b>C - Low Resource Waste Management</b> Edward Krisiunas, MLS(ASCP), MPH, WNNW International	<b>D - Questions to Consider when Designing ABSL-3 Facilities</b> Nathaniel Powell Jr, DVM, DACLAM, Sarah Genzer, DVM, DACLAM, and Melissa B. Pearce, PhD, Comparative Medicine Branch, CDC
<b>Workshop Two Options:</b> 2:40-3:40PM	<b>A - Implementing ISO 35001</b> CDR Sabrina DeBose, DHSC, RBP, Aufra Araujo, PhD, LCDR Folasade Kembi, PhD, MPH, CPH, and Mary Casey-Moore, PhD, Quality and Safety Systems Branch, CDC	<b>B - ABSL-3 Case Study</b> Sherrie Jean, DVM, DACLAM, and Melvyn Almanzar-Jordan, BA, RLAT, Comparative Medicine Branch, CDC	<b>C - Waste Management, Recycling</b> Edward Krisiunas, MLS(ASCP), MPH, WNNW International	<b>D - Safety vs Sustainability: A False Choice</b> Jacob Werner, AIA, LEED, WELL, CPHC, Ellenzweig
<b>Workshop Three Options:</b> 4:00-5:00PM	<b>A - Wellness Activity</b>	<b>B - Waste Management in Animal Facilities</b> Sherrie Jean, DVM, DACLAM, and Melvyn Almanzar-Jordan, BA, RLAT, Comparative Medicine Branch, CDC	<b>C - Sustainable Labs, How to Build Momentum</b>	<b>D - Latest on Biosafety Research</b> Erin Lauer and Mark Kazmierczak, PhD, Gryphon Scientific

WEDNESDAY, MARCH 13, 2024 — THE MODERN WORKFORCE

8:00-8:15 AM - Wake-Up Stretch

8:15-9:00 AM – **Stepping into the Space of the Future Workforce**  
K. Renee Horton, PhD, Armstrong Flight Research Center, NASA



**K. Renee Horton, PhD, Armstrong Flight Research Center, NASA**  
Dr. Horton currently serves as a NASA airworthiness deputy for the Electrified Powertrain Flight Demonstrator project at NASA's Armstrong Flight Research Center. In addition, she is an advocate for diversity and inclusion in Science, Technology, Engineering, and Mathematics (STEM), and is the founder of Unapologetically Being, Inc., a nonprofit for advocacy and mentoring in STEM.  
  
**Stepping into the Space of the Future Workforce**  
This keynote discusses the big changes happening in the world of work. These changes are due to tech advancements, globalization, and new ways of working. It's all about being able to adapt, keep learning throughout life, and staying strong in an ever changing environment. We further discuss the importance of keeping our human touch in the future workforce. Technology can do a lot, but it can't replace our human skills like empathy, emotional intelligence, and people skills. The future of work is a journey that asks us to be ready for change, adaptable, and most importantly, human. We need to keep learning and growing to stay in the game.

9:00-9:50 AM – **Panel: Hiring / Retention / Worker Shortage**  
Sherrie Jean, DVM, DACLAM, Comparative Medicine Branch, CDC, L. Casey Chosewood, MD, MPH, NIOSH, CDC

9:50-10:20 AM – Break with Exhibitors

10:20-11:05 AM – **Artificial Intelligence: How Do We Utilize It?**  
Jay Vietas, PhD, MS, CIH, CSP, NIOSH, CDC

11:10-11:55 AM – **AI's Role in Biosafety Training**  
Imke Schroeder, PhD, Center for Laboratory Safety, University of California

11:55-1:00 PM – Lunch

1:00-2:00 PM – Tech Talks / Poster Session

SUBMIT YOUR ABSTRACT ON OUR WEBSITE!

WORKSHOPS

<b>Workshop Four Options:</b> 2:00-3:00PM	<b>A - Social Media as an Education Tool</b> Danielle Lake, PhD, MPH, RBP(ABSA), Georgia State University	<b>B - What Does Your Space Look Like?</b> K. Renee Horton, PhD, Armstrong Flight Research Center, NASA	<b>C - Total Worker Health Part I</b> Chia-Chia Chang, MPH, MBA, NIOSH, CDC	<b>D - Chatbot Risk Assessment</b> Imke Schroeder, PhD, Center for Laboratory Safety, University of California
<b>Workshop Five Options:</b> 3:30-4:30PM	<b>A - Modern Communication</b> Jason Villano, DVM, MSc, MS, DACLAM, Johns Hopkins University	<b>B - Growth Models for Keeping Your Workforce Engaged</b>	<b>C - Total Worker Health Part II</b> Chia-Chia Chang, MPH, MBA, NIOSH, CDC	<b>D - AI in Biosafety Case Studies</b> Imke Schroeder, PhD, Center for Laboratory Safety, University of California

SPECIAL ACTIVITIES

OPENING RECEPTION

WELLNESS EXERCISES

CONNECTION BUILDING