



EAGLESON INSTITUTE

175 Gatehouse Road • Sanford ME 04073

1-207-490-1076 • eagleson.org

NON PROFIT ORG
US POSTAGE
PAID
NO READING, MA
PERMIT NO. 234

Preventing & Treating Biological Exposures

AN OCCUPATIONAL HEALTH COLLOQUIUM

Preventing & Treating Biological Exposures

AN OCCUPATIONAL HEALTH COLLOQUIUM

June 7-9, 2017 • Casa Monica Resort • St. Augustine, FL

PRESENTED WITH THE SUPPORT OF



AMERICAN COLLEGE OF
OCCUPATIONAL AND
ENVIRONMENTAL MEDICINE



ABSA
INTERNATIONAL



Stay the week!

SIGN UP FOR THE INSTITUTIONAL BIOSAFETY
COMMITTEE CONFERENCE PRECEDING THE
OCCUPATIONAL HEALTH COLLOQUIUM



June 7-9, 2017
Casa Monica Resort
St. Augustine, FL



www.eagleson.org/OCC

WEDNESDAY, JUNE 7, 2017

8:00 - 12:00 PRE-CONFERENCE CLASS: USING VIRAL VECTORS AS GENE DELIVERY VEHICLES

Dawn Wooley, PhD, SM(NRCM), RBP, CBSP, Wright State University
Viruses are a popular gene delivery vehicle. This presentation will explain why and explore some of the most popular viral vectors being used today. It will discuss gene transfer methods and how pathogenic viruses are engineered to transport genes into cells for use in the research laboratory or clinical setting. There are many risks and regulatory issues that exist when using viral vector technology. This presentation will examine these issues and highlight how the dangers can be mitigated.

1:00 - 5:00 PRE-CONFERENCE CLASS: MEDICAL SURVEILLANCE FOR BIOLOGICAL LABORATORIES

Gary Fujimoto, MD, Occupational Health Consultant
This introduction or refresher course provides an overview of medical surveillance and monitoring, including a brief discussion of human biohazards and biosafety programs, post-offer pre-placement exams, Tier 1 select agents, non-human primate exposures, and internal donor programs, along with updates on bloodborne pathogens and management issues.

THURSDAY JUNE 8, 2017

8:00 WELCOME

Mary Ann Sondrini, EdM, Eagleson Institute
The Rev. Caryl Griffin Russell, BSN, MSN, Mdiv, Elizabeth R. Griffin Research Foundation

8:15 “YOU DID WHAT WHILE YOU WERE DOING WHAT?” A CASE STUDY OF THE FIRST OFFICIAL LABORATORY-ACQUIRED ZIKA INFECTION IN THE US

Yolanda Lang, DrPH, MSN, CRNP, COHN, FAAOHN, University of Pittsburgh
This presentation is a real-life, laboratory-acquired, Zika case study. It examines the route of exposure, course of symptom development, lab tests, and symptom resolution. By the session end, the learner will be able to discuss the time line of exposure to disease state to recovery state, identify the Zika symptoms, the “treatment” protocol, and the proper testing /notification protocol.

9:15 ZIKA: TAKEAWAYS FROM FIELD AND LAB EXPOSURES

Warner Hudson, MD, FACOEM, FAAFP, University of California
High levels of consulting, testing, and training are required before sending researchers to areas of the world with active Zika virus. This presentation will identify these issues and the protocol for the researchers’ return.

10:00 BREAK

10:30 ANIMAL ALLERGEN CASE STUDY: ANAPHYLAXIS IN LABORATORY WORKERS

Gregg Stave, MD, JD, MPH, Duke University Medical Center
Allergic reactions are among the most common conditions affecting the health of workers involved in the care and use of research animals. This presentation will examine approaches to addressing respiratory allergy and anaphylaxis following animal bites.

12:00 LUNCH

1:00 IMPLEMENTATION OF THE NEW LENTIVIRAL VECTOR MEDICAL GUIDELINES

Gary Fujimoto, MD, Occupational Health Consultant; **Warner Hudson, MD, FACOEM, FAAFP**, University of California; **Dawn Wooley, PhD, SM(NRCM), RBP, CBSP**, Wright State University; **John Howard, MD, MPH, JD, LLM, MBA**, CDC NIOSH
New Lentiviral Vector Medical Guidelines were released at last year’s Occupational Health Colloquium and implemented over the past year. Discuss their implementation with several members of the committee who were instrumental in the development of these important guidelines.

2:15 BREAK

2:45 VIRAL VECTOR TECHNOLOGIES

Gary Fujimoto, MD, Occupational Health Consultant; **Warner Hudson, MD, FACOEM, FAAFP**, University of California
New viral vector technologies have opened doors for increasingly innovative research but also new risks. This session will provide an update on the different types of vectors and the new technologies in use, such as in CRISPR. It will also examine the associated risks and hazards posed by vector transgenes.

4:00 HOT TOPICS

5:00 CONCLUSION

6:30 DINNER & NETWORKING

Join fellow attendees for a special networking dinner event, inspired by local cuisine and culture.



FRIDAY JUNE 9, 2017

8:00 2013 LABORATORY ACQUIRED INFECTION WITH ESCHERICHIA COLI O157:H7 IN A RESEARCH SCIENTIST

Joshua Gurtler, PhD, USDA; **Joseph P. Kozlovac, MS, RBP, CBSP, SM(NRCM)**, USDA ARS
In 2013 a researcher at a USDA research laboratory developed a laboratory acquired illness caused by a coinfection of two strains of E. coli O157 H7. This presentation gives a firsthand account of the investigation, patient treatment and post investigation improvements and lessons learned by those directly involved in this case study.

10:00 BREAK

10:30 SYNTHETIC BIOLOGY AND OCCUPATIONAL RISK

John Howard, MD, MPH, JD, LLM, MBA, CDC NIOSH
Risks posed by synthetic biology are of increasing concern as research procedures scale up to industrial processes in the larger bioeconomy. A greater number and variety of workers will be exposed to commercial synthetic biology risks in the future, including risks to a variety of workers from the use of lentiviral vectors as gene transfer devices. In this presentation, the need to review and enhance current protection measures in the field of synthetic biology, whether in experimental laboratories where new advances are being researched, in health care settings where treatments using viral vectors as gene delivery systems are increasingly being used, or in the industrial bioeconomy will be covered.

12:00 LUNCH

1:00 OCCUPATIONAL HEALTH SERVICES AT THE FDA

Sacha Gutierrez, MD, MS, FACOEM, FDA
This presentation will dissect the FDA’s occupational health program. It will discuss the pertinent regulations and standards at the FDA and describe the development of a medical surveillance program.

2:00 LEGAL ISSUES IN OCCUPATIONAL HEALTH AS RELATED TO NONEMPLOYEES

John Howard, MD, MPH, JD, LLM, MBA, CDC NIOSH
Standard work arrangements now exist alongside several nonstandard arrangements: agency work, contract work, and gig work. The rise of nonstandard work arrangements and the potential effects of these new arrangements on worker health and safety have captured the attention of government, business, labor, and academia. In this presentation, the major work arrangements in use today will be discussed along with several legal questions about how established principles of labor and employment law apply to nonstandard work arrangements. Also, the presentation will summarize findings published in the past 20 years about the health and safety risks for workers in nonstandard work arrangements.

3:00 CONCLUDING ACTIVITY

4:00 CONCLUSION

This activity has been submitted to AAOHN for approval to award contact hours. AAOHN is accredited as an approver of continuing nursing education by the American Nurses Credentialing Center’s Commission on Accreditation.

HOTEL & LOCAL INFORMATION



Charming cobblestone streets and miles of beaches will welcome you to St. Augustine this June. Founded by the Spanish in 1565, America’s oldest city boasts a wealth of opportunity for exploring and relaxing while soaking in the rich history. With average June temperatures ranging from 70-90 degrees, St. Augustine is the perfect conference getaway to kick off the summer season. Join us at the Casa Monica Resort & Spa in downtown St. Augustine for a unique conference experience in this Spanish Renaissance city by the sea. The Eagleson Institute has a block of rooms held at the special rate of **\$179 / night**. To make a reservation, call **1-888-627-7468** and ask to be assigned to the **Eagleson Institute** room block by **May 3, 2017**.

REGISTRATION INFORMATION

COLLOQUIUM FEES

Colloquium fees include attendance at all colloquium sessions, lunch on Thursday and Friday, and dinner on Thursday evening.

COLLOQUIUM

before April 28, 2017 **\$995**
after April 28, 2017 **\$1095**

CONFERENCE WORKSHOPS

Using Viral Vectors as Gene Delivery Vehicles **\$245**
Medical Surveillance **\$245**

Register online at **www.eagleson.org/OCCEALTH** or call **207-490-1076**

DISCOUNTS

Take \$100 off your tuition when signing up for the colloquium and both conference workshops. Take an additional \$300 off when you sign up for the entire IBC Conference that precedes this colloquium.

CANCELLATION POLICY

Individuals who cancel more than 15 business days prior to the class date will receive a full refund. For cancellations made 6 to 15 business days before the start of the program, a 50% refund will be given. For cancellations made 5 business days or less prior to the class date, no refunds will be given. Notification of cancellation must be received in writing. Substitutes for a registered attendee may be made at any time.