

10th Annual

PREVENTING AND TREATING BIOLOGICAL EXPOSURES:

AN OCCUPATIONAL HEALTH COLLOQUIUM

June 9-11, 2019
in Alexandria, VA
at the Embassy Suites, Alexandria Old Town



ABSAs
INTERNATIONAL

AMERICAN COLLEGE OF
OCCUPATIONAL AND
ENVIRONMENTAL MEDICINE



PRECONFERENCE COURSES: SUNDAY JUNE 9, 2019

8:00 AM – 12:00 PM

TRAVEL MEDICINE AND WORKING OVERSEAS

Henry Wu, MD, Director, Emory TravelWell Center

This program will consist of four sessions: General travel medicine, vaccines, working overseas, and case studies. Key preventative and safety topics for international travel, including risk assessment and the nuts and bolts of the pre-travel consultation visit will be covered. Details regarding travel immunizations and prophylaxis will be explored, including yellow fever, rabies, cholera, Japanese encephalitis, hepatitis, HIV kits, malaria prevention, and more. Session three will focus on preparing travelers with unique risks including long-term expatriates and those conducting research and/or providing healthcare services abroad. Special situations, such as pregnancy, animal bites, and emergency evacuations will be discussed. The course will conclude with case studies from the instructor's experiences as a travel physician and expatriate.

1:00 PM – 5:00 PM

OCCUPATIONAL MEDICAL SURVEILLANCE AND PROGRAMS FOR BIOLOGICAL AND LABORATORY ANIMAL RESEARCH

Gary Fujimoto, MD, Physician/Occupational Medicine Consultant

This newly revised introductory course on medical surveillance will include updated information on how medical surveillance can be performed without the need for routine physical examinations. In addition, updated information on proactive preventive measures for laboratory and lab animal staff will be presented. Discussion will include how to address infectious disease issues so that monitoring can be initiated without known or defined exposures. Information on the new hepatitis B vaccine along with issues with anesthetic gases, humanized animals and non-human primate work will be reviewed. This course offers time to discuss specific issues on laboratory medicine not covered in the presentation and encourages group discussions.

REGISTRATION INFORMATION

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

COLLOQUIUM

before May 1, 2019 \$1095

after May 1, 2019 \$1195

Colloquium fees include attendance at all colloquium sessions, lunch on Monday and Tuesday, and dinner on Tuesday evening.

CONFERENCE WORKSHOPS

Travel Medicine and Working Overseas \$245/\$295

Occupational Medical Surveillance and Programs for Biological and Laboratory Animal Research \$245/\$295

Occupational Health and Safety in Animal Programs: An Overview and Case Study \$245/\$295

PROMOTIONS:

Attend both the Occupational Health and IBC conferences, save \$400.* Bring a colleague from your institution! Bring a second person and get a 30% discount!**

*Promotions cannot be combined.

**Both registrations must be paid for at the same time, with one payment, call Eagleson Institute to register. The discount is applied to the lesser registration. Cannot be combined with any other promotion. Need to both be from the same institution.

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.

COLLOQUIUM: MONDAY, JUNE 10, 2019

8:00 AM WELCOME

CASE STUDY: MANAGEMENT OF CLINICAL EXPOSURES TO A HUMAN RABIES INFECTION

Amy Behrman, MD, FACP, FACOEM, Director, Occupational Medicine Services, University of Pennsylvania

After prolonged ICU admission, a patient was diagnosed with domestically acquired human rabies infection. More than 200 clinical staff were counseled and evaluated for potentially significant exposure using a modified CDC risk assessment tool combined with targeted in-person interviews. The session will cover hazard communication, risk assessment, post-exposure prophylaxis and infection control practices.

LABORATORY ANIMAL ALLERGY

PART I. PREVENTION OF LABORATORY ANIMAL ALLERGY

Gregg M. Stave, MD, JD, MPH, Professor, Duke University

Allergic reactions are among the most common conditions effecting the health of workers involved in the care and use of research animals. This presentation will review the cause of symptoms and examine approaches to addressing respiratory allergy and anaphylaxis.

PART II. COLLABORATIVE MANAGEMENT AND CONTINUAL IMPROVEMENT OF A UNIVERSITY RESPIRATORY PROTECTION PROGRAM

Rebecca Ann Lingenfelter, MSPH, University of Pittsburg

Developing and maintaining effective respiratory protection programs for research environments, particularly for laboratory animal research, requires cooperation, communication, and support at an organizational level. Productive communication between Occupational Health, Environmental Health and Safety, and laboratory animal research experts, as well as research faculty and staff, is critical for implementing and maintaining an effective program.

PART III. OCC HEALTH AND VETERINARY PERSPECTIVES

Yolanda Lang, DNP, APRN-BC, COHN-S, Conway Medical Center;
Tim Mandrell, DVM, DACLAM, Consultant

VIRAL VECTORS: NEW FRONTIERS IN MEDICINE

Gary Fujimoto, MD, Physician/Occupational Medicine Consultant

This presentation will cover some of the major advances made with viral vector technology in recent breakthroughs in medicine. These include exciting developments in gene transfer and chimeric antigen receptor T cell therapy (CART). These approved technologies have involved adenoviral and adeno-associated viral vectors as well as lentiviral and retroviral vectors. These vector systems will be reviewed along with some of the diseases targeted by these systems.

UPDATE ON IMPORTANT GLOBAL INFECTIOUS DISEASE OUTBREAKS

Lewis A. Hofmann, MD, FAAFP, Medical Director, Shoreland

This presentation will bring together up-to-date information related to the most important global infectious disease outbreaks in the summer of 2019. The disease itself, status of the outbreak, current mitigation, actions for travelers, and future outlook will be reviewed for each.

PARTICIPANT STORIES OF IMPACT

5:00 PM CONCLUSION

TUESDAY JUNE 11, 2019

8:00 AM

OCCUPATIONAL HEALTH AND SAFETY CONCERNS WHEN WORKING WITH MPTP

Serge Przedborski, MD, PhD, Columbia University

Dr. Przedborski pioneered the investigation of molecular mechanisms of neuronal death in the MPTP model of Parkinson's disease (PD). MPTP is a

potent neurotoxin known to produce severe irreversible brain damage, and exposure through inhalation, dermal contact or injection is a potential hazard to humans. Working with MPTP requires strict adherence to safety precautions, practices and PPE. Dr. Przedborski will outline the safety precautions and post exposure practices that he has developed.

INTERFERON GAMMA RELEASE ASSAYS FOR TB: INDICATIONS, INTERPRETATIONS AND INFERENCES

Sarah Foster-Chang, DNP, APRN-BC, COHN-S, Nurse Practitioner, Veterans Health Administration

Screening for Tuberculosis (TB) has seen unprecedented changes with the introduction of Interferon Gamma Release Assays (IGRA). The new Centers for Disease Control and Prevention (CDC) guidelines regarding TB screening of healthcare workers will be reviewed. Using one facility's transition from the traditional TB skin testing to an IGRA based program, the clinical characteristics and interpretational challenges of all the available screening tests for TB infection will be discussed. An overview of current research and knowledge gaps related to the use of IGRA's will round out the session.

CASE STUDY: EVALUATION OF WASTE ISOFLURANE EXPOSURES DURING ANIMAL AND HUMAN SURGERY

Derek A. Newcomer, DrPH, CIH, CSP, NIH/OD/ORS

Prolonged occupational exposure to trace waste anesthetic gases may have potential adverse health effects. Workplace surveillance programs are intended to reduce health risk by evaluating exposures to waste anesthetic gases during surgical procedures. The aim of this study was to evaluate a waste anesthetic gas surveillance program to understand occupational exposures and further improve the data collection strategy. The study also evaluated relationship between waste anesthetic gas concentrations and type of instrument used for measurement, location of measurement, patient undergoing surgery, and scavenging method. Discussion will describe common waste management practices and opportunities to improve surveillance programs to minimize occupational exposures to waste anesthetic gases.

A SERIES OF UNFORTUNATE EVENTS: LESSON LEARNED FROM CASE STUDIES OF POTENTIAL EXPOSURES IN BIOLOGICAL LABORATORIES

David Harbourt, PhD, CBSP, Biosafety Officer, USAMRIID

This session is intended to cover basic information of emergency response situations along with the occupational health considerations for affected personnel during an emergency. This session will go over the key aspects of a proper response and communication strategy as well as potential viability of quick response efforts within a laboratory prior to the arrival of emergency response personnel. The session will also detail real-world emergency events that occurred, how the safety and leadership staff responded, and lessons learned related to their responses.

3:00 PM
CONCLUSION

3:00-6:00 PM

OPTIONAL WORKSHOP: DEVELOPING A RESOURCE LIBRARY - PROTOCOLS, TEMPLATES, AND TOOLS (OH MY!)

Julie Fischer, PhD, Director, Center for Global Health Science and Security, Georgetown University Medical School

This optional workshop is an opportunity for interested Colloquium participants to discuss the possibilities, processes, requirements, and risks for creating an online repository of tools and protocols developed for occupational health and biosafety programs. The goal is to develop a library of resources under the stewardship of the Elizabeth R. Griffin Program to share tested protocols and best practices. This planning meeting is an opportunity to shape the framework for how best to peer-review, anonymize, protect, and share these resources.

6:30-9:30 PM COLONIAL COLLOQUIUM CELEBRATION AT GADSBY'S TAVERN



Speakers and participants are invited to attend an 18th century inspired dinner, served by waiters in period costumes, at this tavern that opened in 1790. It was the epicenter of social, economic, political and educational life in Alexandria. Some of the famous guests include George Washington, John Adams, Thomas Jefferson, James Madison, James Monroe and The Marquis de La Fayette. Travel back in time! Costumes optional.

POSTCONFERENCE COURSE: WEDNESDAY JUNE 12, 2019

8:00 AM – 12:00 PM

OCCUPATIONAL HEALTH AND SAFETY IN ANIMAL PROGRAMS: AN OVERVIEW AND CASE STUDY

Helen Diggs, MEd, DVM, DACLAM, Senior Director, AAALAC

International; John N. Norton, DVM, PhD, DABT, DACLAM

During AAALAC site visits of animal facilities and programs, deficiencies are frequently found involving occupational health and safety. Prevent this from happening at your institution! This workshop will combine an AAALAC site visitor's perspective with a facility director's experiences. Dr. Diggs will present AAALAC International's expectations for Occupational Health and Safety Programs, and Dr. Norton will follow-up with a "recipe for success" for implementing these expectations in an animal program. Best practices based on the "Eighth Edition of the Guide for the Care and Use of Laboratory Animals" will be explored.

STAY THE WEEK!

9 Sunday:	10 Monday:	11 Tuesday:	12 Wednesday:	13 Thursday:
AM: Pre-Conference	Occupational Health Colloquium	Occupational Health Colloquium	AM: Pre/Post-Conference	IBC Conference
PM: Pre-Conference		PM: Optional Workshop: Pre-Conference	PM: IBC Conference	

For More Information on the IBC Conference, visit: www.eagleson.org/conferences/IBC.



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Register for the colloquium and add to Alexandria's history!

- Bridge the gap between Biosafety and Occupational Health
- Get the Latest Information on Scientific Research Hazards
- Build Connections with Experts in the Field



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