Preventing & Treating Biological Exposures
An Occupational Health Colloquium
June 7-9, 2017 • Casa Monica Resort • St. Augustine, FL

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Sign up for the Institutional Biosafety Committee Conference Preceding the Occupational Health Colloquium

Presented with the support of:

American College of Occupational and Environmental Medicine

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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, FACHEM, 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 Colloquim 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, FACHEM, 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 CRISPPR. 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. Kazlowski, 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 AACN for approval to award contact hours. AACN is accredited as an approver of continuing nursing education by the American Nurses Credentialing Center’s Commission on Accreditation.