ARE YOU INTERESTED IN:

- Enhancing your grasp of the senior level of CDC's recent "Biosafety Laboratory Competency Guidelines"?
- Renovating an aging facility to meet new BSL3 requirements or building a new BSL3 lab?
- Experiencing creative training methods you can apply in your own facility?
- Learning more about the BMBL 5th edition guidelines on airflow reversals during HVAC failures and approaches to meet those guidelines?
- Reducing lab operation and maintenance costs without sacrificing safety?

These topics, as well as many others will be explored in both of our two-day courses and post conference lecture.

WHAT WE OFFER

- A new, state of the art, BSL3 laboratory training facility
- A mix of case studies, lecture, demonstrations, facility tours, group exercises and hands-on workshops
- Faculty who are lab design or biosafety experts as well as experienced instructors
- Many structured opportunities to network and share challenges and solutions with instructors and fellow students

WHO SHOULD ATTEND?

Architects, biosafety professionals, certifiers, commissioning agents, design engineers, facility managers, health and safety professionals and laboratorians in leadership positions.

for more information or to register, visit
www.eagleson.org/BSL3

Verifying BSL3 Performance

May 19-20, 2014 | www.eagleson.org/VBP

More BSL3 in Maine this Spring

Focus on the important considerations when commissioning and verifying the performance of BSL3 laboratories. Participate in hands-on workshops practicing the tests required to verify lab performance.

PARTICIPANTS WILL LEARN

- The relative roles of government guidance, industry best practices, and risk assessment related to commissioning and re-verification.
- How to develop a performance verification process appropriate for your facility.
- How to test and verify system accuracy based on risk assessment.
- How to generate and critique biosafety facility commissioning and verification documents.

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EAGLESON INSTITUTE

Globally Promoting the Principles and Practices of Health and Safety in the Life Sciences Community

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EAGLESON INSTITUTE PRESENTS THE 14TH ANNUAL

BSL3 SEMINAR SERIES

North Carolina State Laboratory of Public Health | Raleigh, NC

April 28 - May 2, 2014

APRIL 28-29, 2014

BSL3 Facilities: Design, Construction and Beyond

APRIL 30 - MAY 1, 2014

Advanced BSL3 Work Practices and Procedures

MAY 2, 2014

Lecture and Tour: Duke University's Regional Biocontainment Laboratory and Lemur Center

for more information or to register, please visit
www.eagleson.org/BSL3

BSL3 Facilities: Design, Construction and Beyond

APRIL 28-29, 2014 | www.eagleson.org/DCB

Our teaching team of an architect, engineer and biosafety engineer, provide practical, "been-there, done-that" information, incorporating real-world experience as well as theoretical knowledge.

REASONS TO ATTEND

- Study the impact of design on operations, safety, and sustainability of BSL3/ABSL3 labs.
- Examine the impact of energy efficiency/sustainability efforts on cost savings and safety.
- Get updated on the late-breaking details of the new ANSI Z9.14 "Testing and performance verification methodologies for ventilation systems for BSL3 and ABSL3 facilities" from an Instructor who serves on the committee.
- Focus on case studies and lessons learned in the many facilities designed or operated by our instructors.
- Tour a newly-built laboratory facility and participate in hands-on exercises in the BSL3 training lab.
- Have your specific questions answered by our instructors during structured "office hours".

TOPICS INCLUDE

- Risk assessment as a BSL3 design driver
- Complexities of the design/construction/commissioning/verification processes
- BSL3 laboratory guidelines
- Primary containment equipment and exhaust needs
- Architectural planning issues
- Role of HVAC in containment
- Using airflow to control and remove airborne contaminants
- Designing for decontamination and waste management
- Blueprint reading 101 (optional)

INSTRUCTORS

- **Mark Fitzgerald**, Principal Laboratory Planner, HDR, Inc.
- **William T. Freeman, PE, LEED AP, BD+C**, Principal, Collaborative Engineering Solutions
- **J. Paul Jennette, PE, RBP**, Director of College Biocontainment Operations, Cornell University College of Veterinary Medicine

WHAT PAST PARTICIPANTS SAID ABOUT THIS COURSE:

"Very informative [you] provide basic knowledge along with good background information that will allow me to make a positive impact on my facility."
"Great two day class, lots of good info but real life examples were best."
"A very well done course. I would recommend it to anyone. As a BSL3 user who worked in the lab & didn't care how it worked, to now being an operations manager for a BSL3 and needing to know how it works, this class was perfect for helping to learn more about how the labs work."

Attend all four days and save. Register for "BSL3 Facilities: Design, Construction and Beyond" and "Advanced BSL3 Work Practices and Procedures" to receive a $150 discount off your registration. Group Discounts Available. See Website for Details.

Advanced BSL3 Practices and Procedures

APRIL 30 - May 1, 2014 | www.eagleson.org/APP

This advanced-level class utilizes scenarios and hands-on workshops to reinforce concepts contained in the senior level of CDC's recent "Biosafety Laboratory Competency Guidelines."

REASONS TO ATTEND

- Follow a real-world case study from initial risk assessment through a variety of scenarios and explore how changes in a project can affect practices, PPE, and other controls.
- Learn how to prepare for and train others to respond to emergencies.
- Examine the roles played by biosecurity and medical surveillance in protecting your workers and the public.
- Participate in interactive learning activities you can use in your own facilities.
- Explore competencies through case studies, personalized instruction and hands-on activities in a BSL3 training lab.

TOPICS INCLUDE

- Risk assessment as an ongoing process through the life of a BSL-3 project
- Operational considerations for BSL3 facilities
- Selecting and maintaining Personal Protective Equipment (PPE)
- Ensuring safe operation of Biological Safety Cabinets (BSCs)
- Dealing with occupational health issues in BSL3 labs
- Planning for and responding to emergencies
- (Almost) painless laboratory inspections
- Ensuring biosecurity

INSTRUCTORS

- **Paul Meechan, PhD, MPH, RBP, CBSP,** Director, Environment, Safety, and Health Compliance Office, CDC
- **David S. Bressler, MS, CBSP,** Microbiologist, International Laboratory Branch, Global AIDS Program, Center for Global Health, CDC
- **L. Casey Chosewood, MD,** Sr. Medical Officer for Total Worker Health™, NIOSH: CDC
- **J. Paul Jennette, PE, RBP,** Director of College Biocontainment Operations, Cornell University College of Veterinary Medicine
- **Mary Ann Sondrini, EdM,** Executive Director, Eagleson Institute
- **Betsy Weirich, MS, SM(NRCM), CBSP,** Deputy Director, Division of Laboratory Science and Standards, CDC

WHAT PAST PARTICIPANTS SAID ABOUT THIS COURSE:

"Excellent 2 days of training. I learned so much from instructors and from the other participants. Was very surprised by the variety of experiences and occupations that were represented in participants...this was a strength of the program."
"Overall one of the best BSL3 [classes] I have attended. Informative and I enjoyed the interactive exercises/discussions... all of presenters were very engaging & enthusiastic."
"I enjoyed hearing input from different types of professionals, laboratorians, biosafety officers, facility people, pharma it was good to have diversity."

Stay Friday for the post conference lecture and tour of Duke University's Regional Biocontainment Lab and Lemur Center.

NEW!

Lecture and Tour of Duke University's RBL and Lemur Center

May 2, 2014 | $45

Learn how Duke University has handled the issues addressed in the BSL3 Seminar Series courses.

Duke University's Regional Biocontainment Laboratory (RBL), primarily funded by the NIH National Institute of Allergy and Infectious Disease, is used to perform basic and translational research to make drugs, vaccines and diagnostics to protect society from emerging infections and biothreats. The RBL is currently registered with the CDC Select Agent Program to perform laboratory and animal work at BSL3 and ABSL3 labs. The facility tour will include a discussion of current and future research activities including high-containment aerobiology, cell-sorting and in vivo imaging. Throughout the visit the RBL staff will share its approach to proper biosafety management, including training of personnel, required PPE, compliance monitoring, maintenance of the mechanical systems, annual validation of the high-containment areas, and more. For more information about the laboratory, see http://goo.gl/mo4YyR

SPECIAL BONUS: The laboratory lecture and tour will be followed by a tour of the Duke Lemur Center, which houses nearly 250 individual animals across 21 species of prosimian primates.

SPECIAL ACTIVITIES

April 27, 5:30 PM | $10 - $18 Durham Bulls Minor League Baseball Game. If your travel arrangements include a Sunday afternoon arrival in Raleigh, make your way down the road to Durham on Sunday evening to join classmates and instructors for an outing to the ballpark to watch future Major League baseball stars. To be part of the Eagleson Institute group you must register for the game by March 21, 2014.

April 28 - May 2 | FREE Network each evening with fellow participants and instructors at the hotel's nightly Manager's Reception, which features complimentary appetizers and beverages.

April 28 & April 30, 5:00 PM | FREE After a day in the classroom, join us to stroll, walk, or jog as you explore the North Carolina Museum of Art's 160 acre Museum Park, filled with trails that lead through natural areas and to commissioned works of art. The park is located about a half-mile from the classrooms.

REGISTRATION INFORMATION

TUITION

Both classes include a course manual, lunch each day, and an Eagleson Institute certificate. Individual tuition is **$845 (per class)** if paid by March 21, 2014 and **$895 (per class)** after March 21, 2014. Group discounts are available. Visit our website for details. Visit **To register, go to www.eagleson.org/BSL3 , or call 207-490-1076 to register by phone.**

LODGING

A block of rooms for BSL3 Seminar Series attendees have been reserved at the Embassy Suites Raleigh Crabtree, a short drive from the North Carolina Public Health Laboratory, at a special rate of $129. Please note: A limited number of government room rates are available. To make a reservation, call 919- 881-0000 and refer to the Eagleson Institute BSL3 Seminar Series to secure the group rate.