



# Prepare and Protect Research Safety Conference

October 12th, 13th, and 14th

Experimental Sciences Buildings I and II

We are bringing the safety experts to you! Join us for a FREE, on-campus, hybrid learning experience with a world-renowned biosafety and behavioral specialist. Hands-on simulation exercises, lectures, and lunch and learn sessions on different laboratory safety topics are offered.

*Individuals who attend at least three sessions will be granted annual proficiency training as required by the BMBL for biological laboratories.*

**Meet Your Instructor**



As an author and the CEO and Founding Partner of Safer Behaviors, Sean consults and trains internationally, drawing on his 25 years of infectious disease experience to ensure workforce safety, preparedness, and containment. Some of his career highlights include preparing stakeholders for the clinical treatment of Ebola in the US

His dedication has earned him an Honor Award from the CDC National Center for Infectious Diseases and three Distinguished Service Awards Department of Health and Human Services.

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## Schedule of Events

### Wednesday, October 12th

**9:00 - 9:50am**

**ESB II 406**

[Register](#)

***Laboratory Design and Workflow Processes /  
SIMULATION EXERCISE***

Upon completion of this program, participants will be able to design an ideal laboratory space and implement processes which increase overall safety and effective laboratory workflow.

**10:00 - 10:50am**

**ESB II 406**

[Register](#)

***Behavioral-Based Training Strategies /***

***SIMULATION EXERCISE***

Upon completion of this program, participants will be able to demonstrate multiple training techniques aimed at increasing staff awareness, abilities, and application.

**11:00 - 11:50am**

**ESB II 406**

[Register](#)

***Emergency Response and Biological Spills /***

***SIMULATION EXERCISE***

Upon completion of this program, participants will be able to assemble a biological spill kit, list the steps for responding to a spill outside the biosafety cabinet, and discuss the emergency evaluation practices.

**12:00 - 12:50pm**

**ESB II 102A**

Lunch with RSVP

Zoom option

[Register](#)

***Biological Risk Management IQ | LECTURE***

Upon completion of this program, participants will be able to describe components of emotional, behavioral, and biorisk management intelligence. Participants will be able to immediately implement these strategies upon returning to the workplace.

**1:00 - 1:50pm**

**ESB II 406**

[Register](#)

***Biosafety Cabinet 101 - Safe Practices /***

***SIMULATION EXERCISE***

Upon completion of this program, participants will be able to differentiate biosafety cabinet types, discuss placement and certification requirements for BSCs, and demonstrate safer strategies for working in the biosafety cabinet.

2:00 - 2:50pm

ESB II 406

[Register](#)

***Biosafety Cabinet 102 - Emergency Response  
/ SIMULATION EXERCISE***

What happens when a spill, power outage, or cut happens in the BSC? Upon completion of this program, participants will be able to demonstrate an effective response to several emergency situations which can occur inside the BSC.

3:00 - 3:50pm

ESB II 406

[Register](#)

***Donning and Doffing PPE / SIMULATION  
EXERCISE***

Having PPE alone does not protect a person - how someone puts it on and takes it off is the largest determinant of success specific to PPE. Upon completion of this program, participants will be demonstrate effective techniques for donning and doffing a variety of PPE.

4:00 - 4:50pm

ESB II 406

[Register](#)

***Emergency Response Situations /  
SIMULATION EXERCISE***

If one is reading rather than responding during an emergency situation, they were not prepared. Upon completion of this program, participants will be able demonstrate an emergency response to needle-sticks, spills, and unconscious individuals.

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## **Thursday, October 13th**

9:00 - 9:50am

ESB II 406

[Register](#)

***Donning and Doffing PPE / SIMULATION  
EXERCISE***

Having PPE alone does not protect a person -

how someone puts it on and takes it off is the largest determinant of success specific to PPE. Upon completion of this program, participants will demonstrate effective techniques for donning and doffing a variety of PPE.

**10:00 - 10:50am**

**ESB II 406**

[Register](#)

***Emergency Response Situations /  
SIMULATION EXERCISE***

If one is reading rather than responding during an emergency situation, they were not prepared. Upon completion of this program, participants will be able demonstrate an emergency response to needle-sticks, spills, and unconscious individuals.

**11:00 - 11:50am**

**ESB II 406**

[Register](#)

***Personology: Differences in People /  
LECTURE***

Is conflict between individuals random or predictable? Upon completion of this program, participants will identify their MBTI personality preferences and describe processes for increasing tolerance and acceptance of different personalities.

**12:00 - 12:50pm**

**ESB I 120**

Lunch with RSVP

Zoom option

[Register](#)

***Addressing Human Risk Factors / LECTURE***

When we work in a laboratory, what others do around you has an impact on your overall health and safety. Upon completion of this program, participants will be able to differentiate list several human risk factors, discuss controls for human risk factors, and implement strategies which minimize residual risk factors.

**1:00 - 1:50pm**

**ESB I 120**

Zoom option

[Register](#)

***Inherent versus Residual Laboratory Risk /  
LECTURE***

In a laboratory, there are risks which we can prepare for and risks which can change at a moment's notice. Upon completion of this program, participants will be able to discuss strategies for assessing and managing inherent and residual risk factors in the laboratory.

**2:00 - 2:50pm**

**ESB I 120**

Zoom option

[Register](#)

***Continuous Risk Assessment and Situational Awareness / LECTURE***

Upon completion of this program, participants will be able to discuss the importance of continuous risk assessment, define laboratory situational awareness, and list the stages of OODA loop.

**3:00 - 3:50pm**

**ESB I 120**

Zoom option

[Register](#)

***The Value of Good Standard Operating Procedures / LECTURE***

Standard operating procedures must be evaluated, validated, and verified to be effective. Upon completion of this program, participants will be able to discuss the importance of an SOP, evaluate, validate, and verify existing SOPs.

**4:00 - 4:50pm**

**ESB I 120**

Zoom option

[Register](#)

***Conflict Resolution in the Laboratory /  
LECTURE***

Inter and intrapersonal issues have direct impacts on overall laboratory safety. Upon completion of this program, participants will be able to define conflict, identify it early, and prepare a conflict management plan for when it occurs in the lab.

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## Friday, October 14th

9:00 - 9:50am

ESB I 120

Zoom option

[Register](#)

***Leading Indicators for Safety Success /  
LECTURE***

How do you know your safety program is working? Upon completion of this program, participants will be able to discuss leading indicators which can be used to evaluate and ensure existing safety controls are working effectively to minimize risk to laboratory staff.

10:00 - 10:50am

ESB I 120

Zoom option

[Register](#)

***Leaders CARE Strategy and Approach /  
LECTURE***

There is a pandemic of absentee leadership - defined as people in leadership roles who are psychologically absent from them. Upon completion of this program, participants will be able to develop a professional leadership statement, differentiate compliance and accountability, and describe the importance of establishing expectations when providing resources.

11:00 - 11:50am

ESB I 120

Zoom option

[Register](#)

***Applied Laboratory Emergency Response  
Training (ALERT) / LECTURE***

Emergency response in biological laboratories will require partnerships with organizations who may not understand containment environments. Upon completion of this program, participants will have access to the ALERT program which can be used

to train laboratory staff, fire, EMS, police, politicians, or the general public on emergency situations in biological laboratories.

[View Conference Website](#)

Submit questions to [heather.coats@ttu.edu](mailto:heather.coats@ttu.edu).



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