

# Center for the Advancement of Laboratory Science

*Welcome*



Center for the Advancement  
of Laboratory Science



Welcome to the Center for the Advancement of Laboratory Science (CALs) at the State Hygienic Laboratory. The CALs is unique in Iowa. No other place in our state allows educators, students and other members of the community to work together in a laboratory setting that is dedicated to public health and environmental stewardship.



Located at the University of Iowa's Research Park in Coralville, the CALs consists of two primary parts.

A training lab designed for scientific discovery and other educational opportunities provides hands-on learning for up to 24 participants. This lab is utilized primarily for activities that require laboratory bench space and specialized air-handling systems. It also can be used for meetings that require a small space. Audiovisual capabilities in this space extend the reach of the training lab, which supports interaction from any location, including the conference space located across the hall.

The 150 seat conference center can be divided into two rooms for smaller groups. The conference space and the training lab feature extensive audiovisual technologies that provide connectivity between these rooms, as well as, the ability to link to others worldwide.

Just as the CALs is not limited by geographic borders, it also is not limited by topics or by age group. We welcome students and educators from all disciplines. This includes community members and businesses from the state, region and nation.



# About the Center

## Training Laboratory

- Seats 24 people
- Biosafety Level 2 (BSL2) laboratory classroom
- In-house gas supplies and vacuum system
- Atmospheric and CO<sub>2</sub> incubators
- Two 4° C refrigerators
- One -80° C freezer
- Deionized water supply
- Autoclave
- Open wet bench space
- Flexible-seating arrangement with instructor wet bench and overhead camera

## Conference Center

- Seats up to 150 people
- Space can be divided into two rooms, each seating 70 to 75 people
- Ideal for community, state, regional and national meetings and conferences
- Sink and counter space (Room 169 only)

## Technology

- Wireless Internet
- Equipped with computer and laptop connection, blu-ray player, document camera and HD projector, wireless and podium mics
- Videoconferencing (H.323) capabilities are available with multi-site connections.
- Teleconferencing capabilities

- Laboratory activities viewed from conference rooms via HD video connection.
- Hearing loop system for those with enabled hearing aids.

## Biosafety Level 3 (BSL3) Laboratories

- Two negative-pressure BSL3 suites
- Biosafety cabinets available in each suite
- Open bench provides space to write and perform procedures not requiring a biosafety cabinet
- In-house carbon dioxide supply

## Environmental Chemistry Suite

- In-house gas supplies and vacuum system
- Contains one chemical fume hood for working with volatile chemicals



*“Education is not the filling of a bucket, but the lighting of a fire.”*

— W.B. Yeats

The Center for the Advancement of Laboratory Science (CALs) at the State Hygienic Laboratory opened in September 2014, and was built through partnerships with those who share in our mission of education, training and service. Our thanks to these colleagues:

- Roy J. Carver Charitable Trust
- City of Coralville, Iowa
- Office of the Vice President for Research and Economic Development
- The University of Iowa
- State of Iowa

**For Reservations and Pricing,  
contact:**

Drew Fayram  
State Hygienic Laboratory  
Coordinator of the Center for the  
Advancement of Laboratory Science  
319-335-4864  
[drew-fayram@uiowa.edu](mailto:drew-fayram@uiowa.edu)

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