

ECBC: Collaborative Environment

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<http://www.ecbc.ittc.ku.edu/collab/>

Project Overview

- Part of the Development of an Integrated Bioinformatics Information Infrastructure project overseen by the Edgewood Chemical and Biological Center and funded by the United States Army
- Collaborative Environment Objectives:
 - Facilitate multi-faceted bioresearch
 - Support problem solving in a computer-mediated environment
 - Support recording and sharing research activities, including text, audio, and video, and archive them in searchable form for later use
 - Provide all of these services with a very low barrier for use to encourage use by scientists
- Four identical environments to be built as part of this project (SBC, KUMC, ITTC, Malott)

Features & Capabilities

- Distance collaboration tools:
 - Audio/Video communications
 - Data and simulation sharing
 - "Over the Shoulder" computing view
 - Database and web resource access
 - Archival and replay of sessions
 - Encryption and other security measures to protect sensitive research
 - Multipoint videoconferencing including telephone only sites
- Multiple mics and cameras for full meeting coverage
- Electronic whiteboard
- Dual-stream audio/video capture system
- Interface to store offline content in database
- Desktop sharing software

Structural Biology Center (SBC)



ECBC Collaborative Environment Room Block Diagram

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