BioCoRE: User Experience

Markus Dittrich

http://www.ks.uiuc.edu/Research/BioCoRE/
Objective of BioCoRE

Collaborations involving scientists in geographically remote locations require a comprehensive working environment that enables and facilitates research and communication.

BioCoRE provides such a collaborative working environment.
Research Collaboration using BioCoRE

Maintaining a collaboration with fellow scientists involves:

• Interaction with colleagues
• Sharing and accessing common data

Scientists also need a platform which serves as a research assistant.
Communicating Textual Information using BioCoRE

Successful research collaboration relies on effective communication among project members.

Using BioCoRE scientists can converse and post messages for easy exchange of textual information.
Communicating Visual Information using BioCoRE

Researchers can use BioCoRE to store visual information (e.g. molecular graphics images), such that they can discuss their projects more easily.
Sharing Common Data using BioCoRE

Researchers have to be able to share and access their project information as needed.

Researchers can deposit and access all project related data using a shared file space provided by BioCoRE.

Project members can also store important links in a website library and share this information with their colleagues.
BioCoRE as a Research Assistant

Researchers need a diverse environment, which offers expert assistance tools to perform solo tasks alongside collaborative work.

Researchers can use BioCoRE to set up, submit and monitor their computer simulations.

Since everything is archived within BioCoRE, researchers can easily retrieve data.
BioCoRE as a Teaching Assistant

Training and teaching efforts require a versatile working environment, which allows instructors to enhance their efforts.

Instructors use BioCoRE’s job management capabilities to streamline and simplify the training process (EMBL, PSC).

BioCoRE will benefit teachers in moderating their course and in distributing class material.
Software Development using BioCoRE

Software development and other collaborative efforts also need a platform that facilitates and enhances the working process.

For example the Resource’s software development team regularly uses BioCoRE to:

- Archive data
- Chat for immediate problem solution

Planned features like a calendar, white board and audio/video conferencing will make BioCoRE more beneficial for general administration purposes.