

INBRe-Communication

When and how to cite the agencies that fund the resources available through IBEST

- ◆ Did you use the IBEST facilities to generate data for a paper, poster, or grant application?
- ◆ Did you receive assistance from Ken Blair or Celeste Brown?
- ◆ Did you use "The Cube" or Oceanus (NSF EPSCoR EPS 0080935)?
- ◆ Did you receive INBRE/COBRE funding for personnel working on your project?

If so, please cite NIH COBRE P20 RR16448 and NIH INBRE P20 RR16454.

Citation Samples:

"This publication was made possible by NIH Grant P20 RR16454 from the INBRE Program of the National Center for Research Resources,"

or

"The project described was supported by NIH Grant Number P20 RR16448 from the COBRE Program of the National Center for Research Resources,"

and, as appropriate,

"Its contents are solely the responsibility of the authors and do not necessarily represent the official views of NIH."

If you have a topic or idea for a future INBRe-Communication, please contact Kjelda Berg by calling 208-885-5373, or e-mail kjeldab@uidaho.edu

Current Bioinformatics Resources

INBRE supports the IBEST bioinformatics core facility at the University of Idaho. These facilities are available for researchers across the state of Idaho. Please find a brief description of those facilities below. Go to http://www.ibest.uidaho.edu/wiki/index.php/Main_Page to find more detailed descriptions of the facilities and to request an account.

Software – IBEST is the Initiative for Bioinformatics and Evolutionary Studies. Most of the software that is available through the IBEST bioinformatics core is related to evolutionary analysis of molecular sequence data. There are several general packages for the analysis of DNA and protein sequences, packages and programs for phylogenetic inference and population genetics, protein structure visualization and modeling, and statistical and mathematical programming. There is also software for analyzing microarray expression data, as well as a database for storing and disseminating microarray data. Additionally, IBEST members, some of whom have received INBRE funding, have developed data analysis software that is available on the IBEST computers. The major DNA and protein sequence databases, GenBank and UniProt, are available on the IBEST computers.

Hardware – The computers available through the IBEST core facility are of two types. There are eight Solaris servers with varying CPU and memory configurations, and three Beowulf clusters with different architectures. The servers share a single home directory, and the clusters share a single home directory making it very easy to use whichever machines are available at any point in time. All machines are running the same software with the addition of parallel versions of many software packages available on the clusters.

People – Developing and maintaining a computer facility of this size requires very special talent. Ken Blair is the Systems Administrator who has been developing these facilities, and with a handful of undergraduate computer science majors has worked to maintain our ever-growing facility. The core is large enough now that we are hiring a second systems administrator. The core also has a Bioinformatics Coordinator, Celeste Brown, whose role is to facilitate the use of the bioinformatics core, both software and hardware, among the University and INBRE research communities.



The Idaho INBRE (IDeA Network for Biomedical Research Excellence) Program is sponsored by NIH-NCRR (National Institutes of Health and the National Center for Research Resources) P20 RR016454

