The Biocomplexity Supercomputing Cluster at Notre Dame

An NSF MRI grant has just been awarded to the Interdisciplinary Center for the Study of Biocomplexity (ICSB) for the establishment of a Beowulf type biocomplexity cluster (64-bit architecture), which will be added to the existing high-performance computing facility BoB (http://bob.nd.edu).

This will result in dramatic increase in the range and complexity of the biological computations on the campus of the University of Notre Dame, including such projects as genomic databases, molecular dynamics simulations, cytoskeleton, non-organic matter in the environment, multiscale simulation of avian limb development, microscale modeling of cancellous bone damage, and environmental biocomplexity, covering all interacting scales of biological phenomena from molecular to environmental.

Faculty: M. Alber, O. Wiest, F. Collins, Jeanne Romero-Severson, G. R. Madey, Patricia A. Maurice, G. Niebur, and Holly V. Goodson

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