

*Draft Advertisement (4/3/2002)*

## **BIOLOGICAL COMPUTATION**

This year, Louisiana State University (LSU) has received \$7 million in new, recurring funding to lead an Information Technology initiative that is aimed at building research capacity and promoting economic development and diversification throughout the state. LSU has formed a Center for Applied Information Technology and Learning (LSU CAPITAL) (see [www.lsu.edu/lrucapital/](http://www.lsu.edu/lrucapital/)) to foster a vibrant interaction among all faculty engaged in information-technology research and teaching, and expects to hire between three and four dozen new faculty in several interdisciplinary "cluster" areas of information technology. Advances in transdisciplinary, information technology based research will profoundly influence the future of the biological sciences. LSU CAPITAL seeks to strengthen ongoing interdisciplinary efforts in biological computing and visualization by establishing a cluster area based on the hiring of outstanding tenure-track faculty. Faculty will be jointly appointed within appropriate departments and LSU Capital. Interdisciplinary research thrusts encompassing the basic and applied sciences, engineering, and medical disciplines will be enhanced by this initiative. Of particular interest are senior faculty members with the capability to seed a cluster in biological computation. Clusters of interest could span any area of modern biology including:

- development of computational algorithms and mathematical theory to solve biological problems
- genomics, proteomics, macromolecular structure and function
- biological system, physiological, cellular and molecular modelling and simulation
- development of drug and vaccines, biosensors and intelligent biodiagnostics, or biomaterials

We expect to make several senior interdisciplinary hires, and will consider hiring an appropriately configured interdisciplinary group should the opportunity arise. Please submit applications complete with curriculum vitae, names of references (3), and statement of research and educational interests to: Dr. H. Silverman, Biological Computing Search Committee, 338 Choppin Hall, Louisiana State University, Baton Rouge, Louisiana. Review of folders will begin on July 1, 2002 and continue until all LSU CAPITAL positions are filled. LSU is an equal opportunity employer.