Bio-Computing at SC09

SC — Computing For A Changing World.

Portland, OR | 2009

Conference Dates
November 14 - 20, 2009

Exhibition Dates
November 16 - 19, 2009

http://sc09.supercomputing.org

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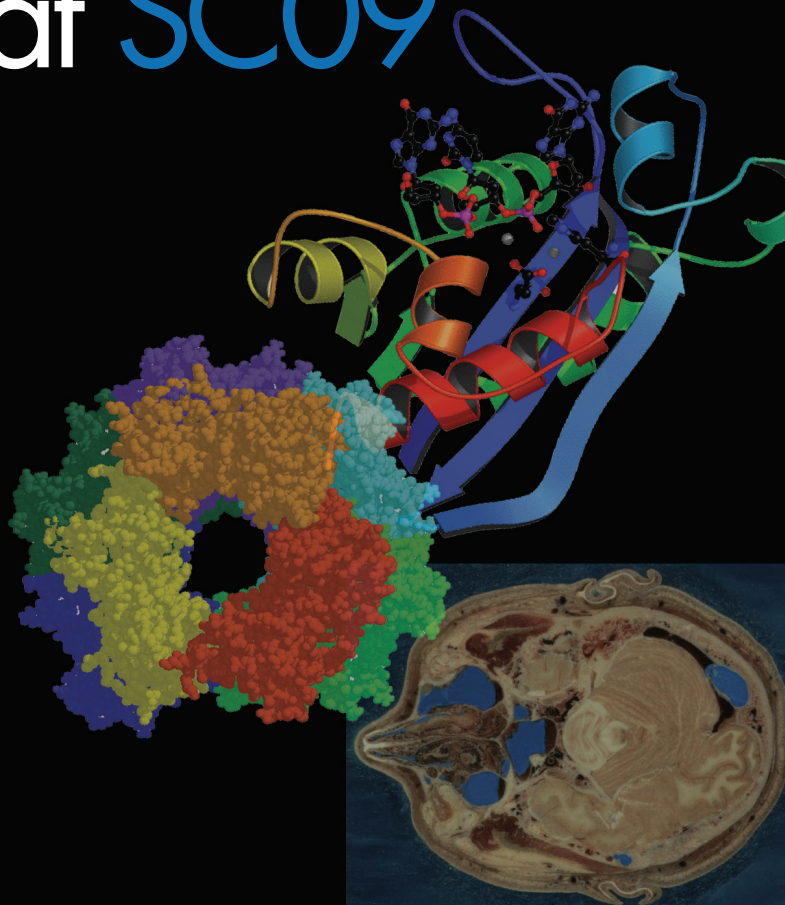
This year SC09 is highlighting Bio-Computing as a thrust area within its technical program. We are seeking submissions for various technical program elements (refereed papers, panels, workshops, tutorials, BOF, and doctoral showcase) that highlight the use of cutting edge computing, network, and storage technologies to solve the varied and complex problems in biosciences.

Acceleration of knowledge creation and the increasing interdependencies of disciplines characterize current and future research agendas. Nowhere is this more challenging than the area of Biology. The infusion of leading edge high performance computing solutions can enable a systems approach to understanding and predicting life, which is fundamental to the challenges in the biomedical, bioenergy, and biodefense fields.

The Bio-Computing Thrust initiative at SC09 seeks to broaden the SC community by drawing Computational Biologists, Bioinformaticists, and Biologists to SC09 to highlight bio-centric computing, storage, and network challenges and solutions. We are seeking technical program elements that will stimulate discussion on three active areas of research:

1. Data capture, management, storage, and integration that enable efficient knowledge extraction and data intensive computing.

2. Multi-scale analysis and simulation of entire organelle, whole cell, and communities.

3. Innovative computing architectures for data-intensive analysis of biological information.

For more information or to join the Bio-Computing discussion at SC09, contact us at: bio-computing@info.supercomputing.org