

Call for Papers

12th Pacific Symposium on Biocomputing

Wailea, Maui, Hawaii



http://psb.stanford.edu



January 3-7, 2007

Biodiversity InformaticsManaging Knowledge Beyond Humans and Model Organisms

The Pacific Symposium on Biocomputing (PSB) is an international, multidisciplinary conference for the presentation and discussion of current research in the theory and application of computational methods in problems of biological significance. Papers and presentations are rigorously peer reviewed and are published in an archival proceedings volume.

PSB 2007 will bring together top researchers from the United States, the Asian Pacific nations, and around the world to exchange research results and address open issues in all aspects of computational biology. PSB is a forum for the presentation of work in databases, algorithms, interfaces, visualization, modeling, and other computational methods, as applied to biological problems, with emphasis on applications in data-rich areas of molecular biology.

PSB has been designed to be responsive to the need for critical mass in sub-disciplines within biocomputing. For that reason, it is the only meeting whose sessions are defined dynamically each year in response to specific proposals. PSB sessions are targeted to provide a forum for publication and discussion of research in biocomputing's "hot topics". In this way, PSB provides an early forum for serious examination of emerging methods and approaches in a rapidly changing field. More information on the conference can be obtained from the conference web page: http://psb.stanford.edu/.

Manuscript topics and questions should be addressed to the session chair:

Indra Neil Sarkar, PhD American Museum of Natural History sarkar@amnh.org | +1 212 769 5571 Manuscripts are hereby requested for topics in contemporary biodiversity informatics, including (but not limited to):

- Application of existing tools across both biomedical and biodiversity domains
- Advances in biodiversity knowledge representation and information extraction
- Comparative studies that use knowledge about both 'model' and 'non-model' organisms
- Studies that use non-molecular (e.g., morphological and geographic) along with molecular data
- Development of epidemiological models for tracking emerging diseases using biodiversity knowledge
- Methods and interfaces that harmonize biodiversity and biomedical knowledge into a single framework

Priority will be given to those manuscripts that involve the combination of existing biodiversity and biomedical techniques, along with evaluations that incorporate both biomedical and biodiversity knowledge.

Submitted manuscripts are limited to twelve (12) pages in the PSB publication format. Please format your manuscripts according to instructions found at http://psb.stanford.edu/psb-online/psb-submit/. If figures can not be easily resized and placed precisely in the text, then it should be clear that with appropriate modifications, the total manuscript length would be within the page limit. Color pictures can be printed at the expense of the author (The fee is \$500 per page of color pictures, and is payable at the time of camera-ready submission).

Manuscripts Due July 17, 2006

Decisions Announced September 6, 2006 % Camera-Ready Papers Due September 25, 2006

Manuscripts submitted should be thought of as short journal articles; The PSB Proceedings is an archival, peer-reviewed publication that is indexed in Medline.

