

Special Session on Computer Infrastructure for Systems Biology
<<http://bio.informatics.iupui.edu/bio-05/>>

17 August 2005

18th International Conference on Systems Engineering
(ICSEng '05 <<http://www.icseng.info/>>)

16-18 August 2005 * Las Vegas, NV USA

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Goals

The special session's goal is to bring forth ideas and collaborations among industrial and academic bioinformaticians, biocomputing professionals, data analysts, and system biologists to facilitate systems biology research and findings.

Program

08:00-09:00 Plenary Keynote

09:00-09:30 AM * * * Coffee * * *

09:25-09:30 Opening Remarks by Jake Chen & Bradley Sherman

09:30-09:55 BIO-116

Case History of Constructing a Computer Infrastructure for Systems Biology,
by Bradley Sherman

10:00-10:25 BIO-120

A High-Throughput Adaptive Computing Infrastructure for Bioinformatics
Research, by Stuart Pineo

10:30-10:55 BIO-125

Consistency, Feasibility and Multiplicity of Fluxes in Metabolic Pathways, by
R. Nigam

11:00-11:25 BIO-129

Permeable Observations of Multifactor Database for Transcription Network, by
Miho Sera

11:30-11:55 BIO-119

Selecting Maximally Informative Genes: the Interplay between Accuracy and
Complexity, by Yannis P. Androulakis

12:00-1:25 PM * * * LUNCH * * *

01:30-01:55 BIO-108

Abstracting Genes to Gene Ontology Terms Allows Comparison Across Multiple Species, by Ernst R. Dow

02:00-02:25 BIO-115

Identifying Candidate Genes Using The BioWarehouse: A Case Study, by Peter Karp

02:30-02:55 BIO-121

Novel DBMS Extensions for Functional Brain Image Analysis Kristin, by R. Munch

03:00-03:25 PM * * * TEA BREAK * * *

03:30-03:55 BIO-148

Classification of Pathology Data Using a Probabilistic (Bayesian) Model, by John Eberhardt

04:00-04:30 BIO-147

Experiments in Text-base Mining and Analysis of Biological Information from Medline on Functional-Related Genes, directory, by Rahul Singh

04:35-05:00 BIO-146

Data integration and Knowledge Aggregation in the Life Sciences, by Susie Stephens

05:00-05:10 Closing BY Jake Chen & Bradley Sherman