SUMMARY OF
INNOVATIONS IN BIOMEDICAL INFORMATION SCIENCE AND
TECHNOLOGY:
PHASED INNOVATION AWARDS (R21/R33)
FOR PROGRAM ANNOUNCEMENT PAR-03-106
NEWLY FUNDED IN FY 2004

The following text provides a summary of grants from BISTIC member institutes and centers for NIH innovations in biomedical information science and technology awards in response to program announcement PAR-03-106. The objective of this program is to support innovative biomedical computation research whose outcomes are likely to advance health or health-related research within the mission of the NIH.

Funded grants are listed below in alphabetical order by the principal investigator's (PI's) last name. Other information provided for each grant includes PI affiliation, grant title, application number, and funding organization.

1. PRINCIPAL INVESTIGATOR: CHRISTINI, DAVID J.
AFFILIATION: WEILL MEDICAL COLLEGE OF CORNELL UNIV
PROJECT TITLE: Real-time control system for biological experiments
GRANT NUMBER: 1 R01 RR020115-01

2. PRINCIPAL INVESTIGATOR: HENRIQUEZ, CRAIG S.
AFFILIATION: DUKE UNIVERSITY
PROJECT TITLE: Computational Tools for Multi-Scale Heart Modeling
GRANT NUMBER: 1 R01 HL076767-01

3. PRINCIPAL INVESTIGATOR: HOH, JOSEPHINE
AFFILIATION: YALE UNIVERSITY
PROJECT TITLE: Computation Analysis of RPE Specific Transcription
GRANT NUMBER: 1 R01 EY015771-01

4. PRINCIPAL INVESTIGATOR: IGLESIAS, PABLO A.
AFFILIATION: JOHNS HOPKINS UNIVERSITY
PROJECT TITLE: Modeling of chemotactic sensing in Dictyostelium
GRANT NUMBER: 1 R01 GM071920-01

5. PRINCIPAL INVESTIGATOR: LANGAN, PAUL A.
AFFILIATION: UNIVERSITY OF CALIF-LOS ALAMOS NAT LAB
PROJECT TITLE: Computational Tools for Neutron Protein Crystallography
GRANT NUMBER: 1 R01 GM071939-01

6. PRINCIPAL INVESTIGATOR: SADDA, SRINIVAS R.
AFFILIATION: DOHENY EYE INSTITUTE

PROJECT TITLE: Objective Diagnosis & Quantification of Retinal Disease
GRANT NUMBER: 1 R21 EY015914-01

7. PRINCIPAL INVESTIGATOR: SHOICHET, BRIAN K.
AFFILIATION: UNIVERSITY OF CALIFORNIA SAN FRANCISCO
PROJECT TITLE: A Web-Based Automatic Molecular Docking System
GRANT NUMBER: 1 R01 GM071896-01

8. PRINCIPAL INVESTIGATOR: STAMATOYANNOPOULOS, JOHN A.
AFFILIATION: REGULOME CORPORATION
PROJECT TITLE: Computational discovery of cis-regulatory sequences
GRANT NUMBER: 1 R01 GM071923-01

9. PRINCIPAL INVESTIGATOR: TAVAZOIE, SAEED F.
AFFILIATION: PRINCETON UNIVERSITY
PROJECT TITLE: Predictive Learning of Transcriptional Networks
GRANT NUMBER: 1 R01 HG003219-01

10. PRINCIPAL INVESTIGATOR: TEN EYCK, LYNN F.
AFFILIATION: UNIVERSITY OF CALIFORNIA SAN DIEGO
PROJECT TITLE: Computation and Mass Spec: Predicting Protein Complexes
GRANT NUMBER: 1 R01 GM070996-01

11. PRINCIPAL INVESTIGATOR: ZHULIN, IGOR B.
AFFILIATION: GEORGIA INSTITUTE OF TECHNOLOGY
PROJECT TITLE: Computational Genomics of Signal Transduction
GRANT NUMBER: 1 R01 GM072285-01

12. PRINCIPAL INVESTIGATOR: ZUCKERMAN, DANIEL M.
AFFILIATION: UNIVERSITY OF PITTSBURGH AT PITTSBURGH
PROJECT TITLE: Fast Computations for Structural Transitions in Proteins
GRANT NUMBER: 1 R01 GM070987-01