

**SUMMARY OF
NIH INNOVATIONS IN BIOMEDICAL
INFORMATION SCIENCE AND TECHNOLOGY
AWARDS
FOR PROGRAM ANNOUNCEMENT PA-00-117
NEWLY FUNDED IN FY 2003**

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 PA-00-117. The objective of this program is to support innovative computational biology 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: ALON, URI

AFFILIATION: WEIZMANN INSTITUTE OF SCIENCE

PROJECT TITLE: Tools for mapping transcriptional networks

GRANT NUMBER: 1-R21-HG-2705-1

2. PRINCIPAL INVESTIGATOR: BELOHLAVEK, MAREK

AFFILIATION: MAYO CLINIC ROCHESTER

PROJECT TITLE: Multiparametric Computational Echocardiography

GRANT NUMBER: 1-R21-HL-70363-1-A2

3. PRINCIPAL INVESTIGATOR: BHAGWAT, ASHOK

AFFILIATION: WAYNE STATE UNIVERSITY

PROJECT TITLE: Discovering New Human DNA Repair Genes by Bioinformatics

GRANT NUMBER: 1-R21-CA-97899-1-A1

4. PRINCIPAL INVESTIGATOR: BONATO, PAOLO

AFFILIATION: SPAULDING REHABILITATION HOSPITAL

PROJECT TITLE: Data Mining to Identify Motor Fluctuations in PD

GRANT NUMBER: 1-R21-NS-45410-1-A1

5. PRINCIPAL INVESTIGATOR: GENTLEMAN, ROBERT

AFFILIATION: DANA-FARBER CANCER INSTITUTE

PROJECT TITLE: A Statistical Computing Framework for Genomic Data

GRANT NUMBER: 1-R33-HG-2708-1A1

6. PRINCIPAL INVESTIGATOR: HONAVAR, VASANT

AFFILIATION: IOWA STATE UNIVERSITY OF SCIENCE & TECH

PROJECT TITLE: Protein Sequence Structure Function Relationships

GRANT NUMBER: 1-R21-GM-66387-1-A1

7. PRINCIPAL INVESTIGATOR: MEDVEDOVIC, MARIO

AFFILIATION: UNIVERSITY OF CINCINNATI

PROJECT TITLE: Computational Tools for Bayesian Mixture Modeling

GRANT NUMBER: 1-R21-HG-2849-1

8. PRINCIPAL INVESTIGATOR: MJOLSNESS, ERIC

AFFILIATION: UNIVERSITY OF CALIFORNIA IRVINE

PROJECT TITLE: A signal transduction pathway database/modeling system

GRANT NUMBER: 1-R21-GM-69013-1

9. PRINCIPAL INVESTIGATOR: PALANIAPPAN, KANNAPPAN

AFFILIATION: UNIVERSITY OF MISSOURI COLUMBIA

PROJECT TITLE: Quantifying deformable motion in growth and motility

GRANT NUMBER: 1-R33-EB-573-1-A1

10. PRINCIPAL INVESTIGATOR: RELMAN, DAVID

AFFILIATION: STANFORD UNIVERSITY

PROJECT TITLE: Analytical Tools for Comparative Microbial Genomics

GRANT NUMBER: 1-R21-AI-57188-1

11. PRINCIPAL INVESTIGATOR: SAMUDRALA, RAM

AFFILIATION: UNIVERSITY OF WASHINGTON

PROJECT TITLE: Protein structure from theory and experiment

GRANT NUMBER: 1-R33-GM-68152-1-

12. PRINCIPAL INVESTIGATOR: SANNER, MICHEL

AFFILIATION: SCRIPPS RESEARCH INSTITUTE

PROJECT TITLE: Representation of Flexible Biomolecular Shapes

GRANT NUMBER: 1-R21-GM-65609-1-A1

13. PRINCIPAL INVESTIGATOR: WILLIAMS, ANDREW

AFFILIATION: UNIVERSITY OF IOWA

PROJECT TITLE: Multi-Agent Collaboration for AMD Subtype Classification

GRANT NUMBER: 1-R33-EY-13688-1-A1