

**Multi-IC Symposium on Application of Genomic Technologies to
Population-Based Studies**

June 5-6, 2006
Bethesda Marriott

ISSUES FOR CONSIDERATION

Panel 2: Towards common bioinformatic and analytical platforms

- a. Integration of longitudinal datasets with point-in-time clinical data collections and need to address the dynamic nature of datasets from longitudinal (ongoing) studies
- b. Disparate measurements among studies of the same phenotype (e.g. blood pressure)
- c. Assessing the cost/value of redoing existing large and complicated datasets to fit a common format
- d. Allowing hierarchical analysis from RNA to protein to function to informational pathway responses to interaction of gene and environment in a universal language while preserving fidelity
- e. Expectations for hardware and software needed for management of genome-wide and sequencing data
- f. Existing or proposed ways of stimulating development of new analysis methods for existing data
- g. Process for continued sharing of experience NIH-wide
- h. Long term maintenance of genomics databases
- i. Ability to use proven database schemas and data coordination models instead of redesigning from scratch