Objectives of Symposium

- To identify common, critical issues that have been encountered in applying genomic technologies to population studies at NIH and creative approaches to`solving them;
- To develop approaches for prioritizing and conducting population studies using`genomic technologies for use by individual ICs as desired
- To identify new tools for genomics, categorization of phenotypes, and database standardization required for genome-wide association and sequence-based studies.

Panel Topics

- Panel 1: Challenges of keeping pace with evolving genotyping and sequencing techhnology
- Panel 2: Towards common bioinformatic and analytical platforms
- Panel 3: Requirements for informed consent and institutional approvals

Panel Topics

- Panel 4: Promoting inter-IC collaborations and making the most of available population studies
- Panel 5: Prioritizing studies for whole genome association genotyping
- Panel 6: Proposed mechanisms for funding collaborative genomic projects that capitalize on existing studies

Panel Members

Panel 1: Technology
Beena Akolkar (NIDDK)
Stephen Chanock (NCI)
Luigi Ferrucci (NIA)
Daniela Gerhard (NCI)
Eric Green (NHGRI)
James Mullikin (NHGRI)

Panel 2: Bioinformatics
Kenneth Buetow (NCI)
Nanwei Cao (NIA)
Jonathan Horsford (NINDS)
Matthew Portnoy (NIGMS)
Rebekah Rasooly (NIDDK)
Steve Sherry (NLM)

Panel 3: Consent
Marianna Bledsoe (OD)
Katrina Gwinn-Hardy (NINDS)
Mary Kerr (NINR)
Laura Rodriguez (NHGRI)

Panel 4: Collaborations
Jay Everhart (NIDDK)
Thomas Hart (NIDCR)
Thomas Lehner (NIMH)
Rochelle Long (NIGMS)
Teri Manolio (NHGRI)
Bracie Watson (NIDCD)

Panel 5: Prioritizing
James Battey (NIDCD)
Joan Bailey-Wilson (NHGRI)
Patricia Hartge (NCI)
Christopher O'Donnell (NHLBI)
Lenore Launer (NIA)
Tin-Lap Lee

Panel 6: Funding
Lisa Brooks (NHGRI)
Robert Karp (NIDDK)
Pamela McInnes (NIDCD)
Mark Rohrbaugh (OD)
Winifred Rossi (NIA)
Gerald Sharp (NIAID)
William Sharrock (NIAMS)

Symposium Outcome

- Recommendations to the various ICs for issues to consider in soliciting, funding, and implementing these studies
  - Shared experience and guidelines, not proscriptions
  - Capable of updating and evolution
- Recommendations for new genomic tools needed for population studies and approaches for facilitating their use

Post-Symposium Next Steps?

- Consultation with scientific community on symposium recommendations, within individual ICs or jointly
- Development of multi-IC solicitations and programs for adding genomic technologies to existing studies
- Establishment of shared information resources such as consent models, technology evaluations
- Development of new technologies needed to further population-based genomic research