



National Human
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U.S. Department
of Health and
Human Services

Second Multi-IC Symposium on Application of Genomic Technologies to Population Studies: Facilitating Collaboration in GWA Studies

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May 22-23, 2007



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

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June 5-6, 2006

Goals of Multi-IC Training Symposia

- To identify common, critical issues encountered in applying genomic technologies to population studies
- To develop approaches for prioritizing and conducting population studies using genomic technologies
- To identify new tools needed for conducting genomics-based population studies



Multi-IC Symposia on Application of Genomic Technologies to Population-Based Studies at NIH Institutes and Centers


Many NIH Institutes and Centers (ICs) have made long-term, substantial investments in population-based studies that are beginning to be used for genomic research, but the application of large-scale genomic technologies raises a series of challenging issues. A multi-IC planning group convened an NIH-wide symposium in June 2006 to share experience in dealing with these issues and identify additional steps needed to facilitate genomic research in population studies.

Materials and presentations from that meeting are available below, as well as recommendations arising from the meeting and the progress to date on those recommendations. Other resources of potential interest are also available below.

A second multi-IC symposium will be held on May 22-23, 2007. Registration information for [fellows](#) and [professional staff](#) and materials in preparation for that symposium are provided below.

June 2006 Meeting

- [Multi-IC Symposium on the Application of Genomic Technologies to Population-Based Studies June 5-6, 2006](#)
- [Summary and Recommendations from June 5-6 2006 Symposium and Progress on Recommendations](#)



Lessons Learned from First Multi-IC Training Symposium

- Everyone wants to learn more about genome-wide association (GWA) studies
- Initial “primer” session was very valuable
- More time needed for discussion, questions
- There are no stupid questions, though there may be stupid answers
- No one seemed to mind quick review of topics with which they were familiar
- People are not at their best after 6PM...

Things We'll Do in the Next 3.5 Hours

- Review the basic informational areas relevant to understanding GWA studies
- Do this in five 20-25 minute presentations
- Allow 10-15 minutes for questions and discussion after each area
- Provide some background materials that will likely be more useful AFTER the session
- Provide the basic information you need to be able to read and interpret a GWA report

Things We WON'T Do in the Next 3.5 Hrs

- Decide or even discuss policies related to GWA studies
- Decide or even discuss funding issues related to GWA studies
- Prescribe or proscribe any GWA practices NIH-wide
- Turn everyone (or anyone) in the room into GWA investigators

3.5 Hours to Making You GWA-Savvy

Study design

Bob Hoover, NCI

Technologic issues

Stephen
Chanock, NCI

Challenges in analysis

Joan Bailey-
Wilson, NHGRI

Data resources for GWA
studies

Jim Ostell, NLM

Dissemination and publication

Francis Collins,
NHGRI
