The EGP is a multi-component project comprised of research in four areas:

- human DNA polymorphism discovery;
- functional analysis of DNA polymorphism;
- population-based epidemiology studies;
- and technology development.

Goals for NIEHS SNPs:

- To identify common sequence variation in genes and pathways that underlie environmental responses
- To provide a variation resource for investigators examining the relationships between environmental exposures, inter-individual sequence variation in human genes and disease risk.

http://egp.gs.washington.edu

Overview:

- The variation discovery resource complete on 558 genes, more than across 12.9 MB of reference sequence.
- More than 77,000 SNPs have been identified and genotyped in 90-95 samples and 7 million genotypes available.
- Only 50% of the discovered SNPs have previously been described.
- New views are being generated to simplify and enhance use by the community.
NIEHS Workshop Agenda

Day 1:
Finding SNPs I and II
  Mark Rieder and Bob Livingston
SNP Selection
  Dana Crawford
Interactive Tutorial I - Database Interfaces
  All, led by Mark Rieder and Bob Livingston

NIEHS Workshop Agenda

Day 2:
Interactive Tutorial II:
  All, led by Dana Crawford
SNP Genotyping
  Debbie Nickerson
Association Analysis
  Chris Carlson
Medical Resequencing
  Debbie Nickerson
Resequencing Roundtable
  Bob Livingston

Many Thanks!

David Schwartz - Director
Sam Wilson - Deputy Director
Liz Maull and Lauranel Burch
Gwen Collman
Alma Britton
Jack Field
Eric Torskey - UW

Workshop Faculty