

Program in Medical and Population Genetics  
**2011 – 2012 Workshop Series**

# Next- Generation Sequencing Workshop:

Discovery, genotyping, and analysis  
of SNPs, Indels, and CNVs

## Agenda

- **Overview:** Mark DePristo

## Methods

- **BAQ and the Exact Model:**  
Heng Li
- **SNP Calling and Error  
Modeling:** Ryan Poplin
- **Indel Calling:**  
Guillermo del Angel
- **Physical Phasing and  
Imputation:** Menachem Fromer
- **SV Calling:** Bob Handsaker

## Production Processing

- **Picard Process:** Tim Fennell
- **MPG Production Analysis  
Process and Project  
Management:** Kiran Garimella
- **Queue Pipeline Execution  
Architecture:** Khalid Shakir

## Analysis

- **Joint Genotype and  
Imputation:** Jason Flannick
- **Plink/Seq:** Shaun Purcell

**Thursday, February 17**

9:00 a.m. – 11:30 a.m.

Monadnock Room, 7 Cambridge Center

## Organized by

**Mark DePristo**

Manager, Medical and Population Genetics Analysis



Open to Collaborators and the Community – Broad, Harvard, and MIT