

# Genetics 210: Personalized Medicine and Genomics

*“It’s far more important to know what person the  
disease has than what disease the person has.”*

*-Hippocrates*

For: MDs, PhDs and curious students

Spring term.      Wed 1:15-2:30 Presentation

Mon 1:15-2:30 Workshop

Genotyping : \$49 copay

2 or 3 units

[Gene210.stanford.edu](http://Gene210.stanford.edu): info and FAQs

# History

## Joint Genotyping Task Force

Charles Prober Dean

Russ Altman Genetics

Pat Brown Biochem.

Mike Grecius Neur.

Carlos Bustamante Gen.

Ralph Horwitz Psych

Anne James Legal Counsel

Stuart Kim Dev. Bio.

Phil Lavori HRP

Kelly Ormond Genetics

Mike Snyder Genetics

Keyan Salari Med. School

Hank Greely Law School

Clarence Braddock Med School

Gil Chu Biochem

Sean David Med. School

Harry Greenberg Dean

Louanne Hudgins Epidemiology

Jesse Karmazin Med. School

Mark Krasnow Biochem

David Magnus Cen. BME

Alan Schatzberg Psych.

Atul Butte BMI

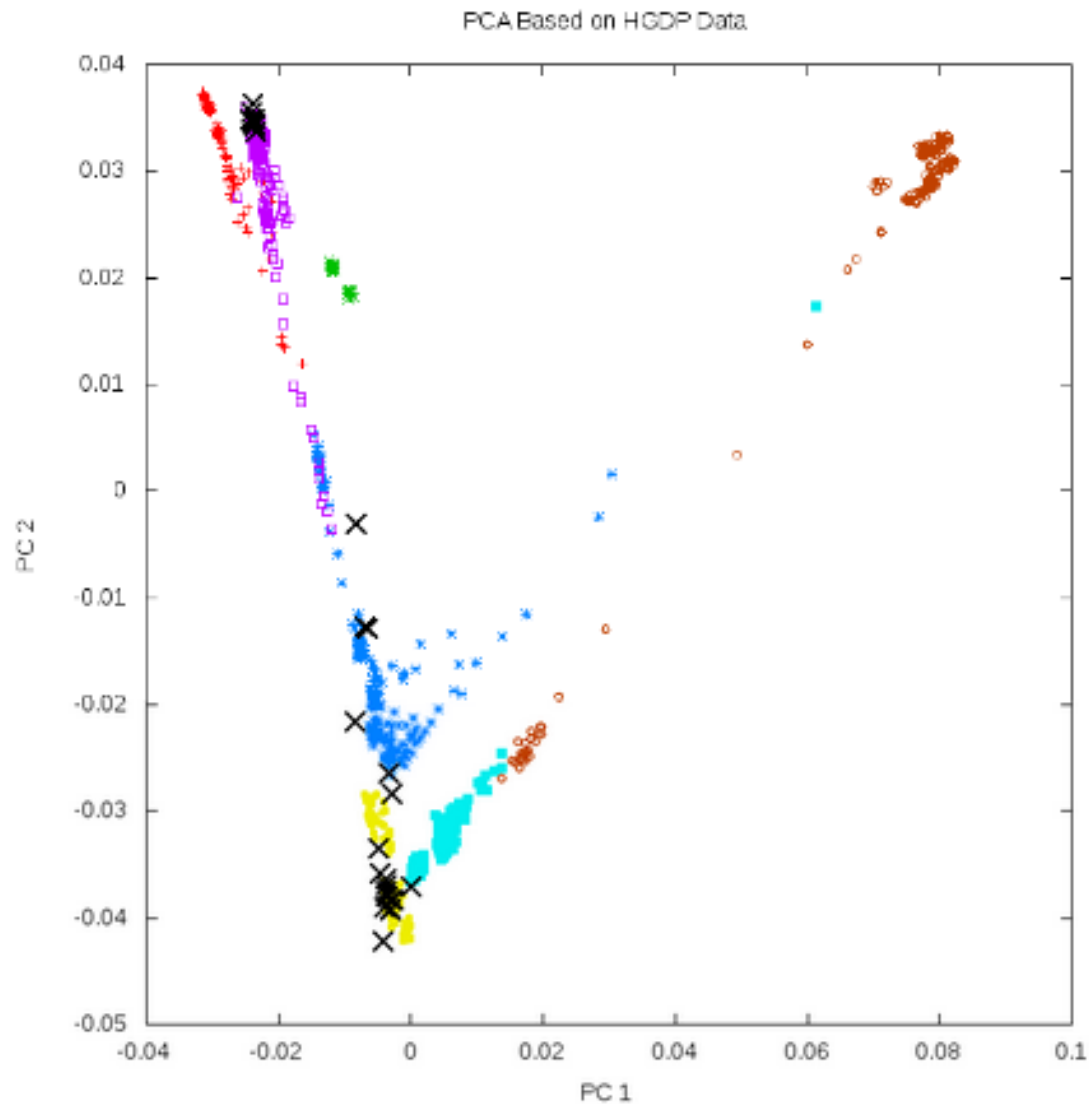
Mildred Cho Pediatrics

# Participatory Presentations

<b>Date</b>	<b>Subject</b>	<b>Presenter</b>
<b>March 30</b>	<b>Human Genetic Variation and GWAS</b>	<b>Stuart Kim</b>
<b>April 6</b>	<b>Interpreting Genomic Data in Clinical Medicine.</b>	<b>Euan Ashley</b>
<b>April 20</b>	<b>Pharmacogenetics</b>	<b>Russ Altman</b>
<b>April 27</b>	<b>Human Ancestry.</b>	<b>Carlos Bustamante</b>
<b>May 4</b>	<b>Networks.</b>	<b>Atul Butte</b>
<b>May 18</b>	<b>Next generation technology.</b>	<b>Mike Snyder</b>
<b>May 25</b>	<b>Narcolepsy</b>	<b>Emmanuel Mignot</b>
<b>June 1</b>	<b>Aging</b>	<b>Stuart Kim</b>

# Human Ancestry

Your PCA Coordinates: PC1: -0.0240 PC2: 0.0354

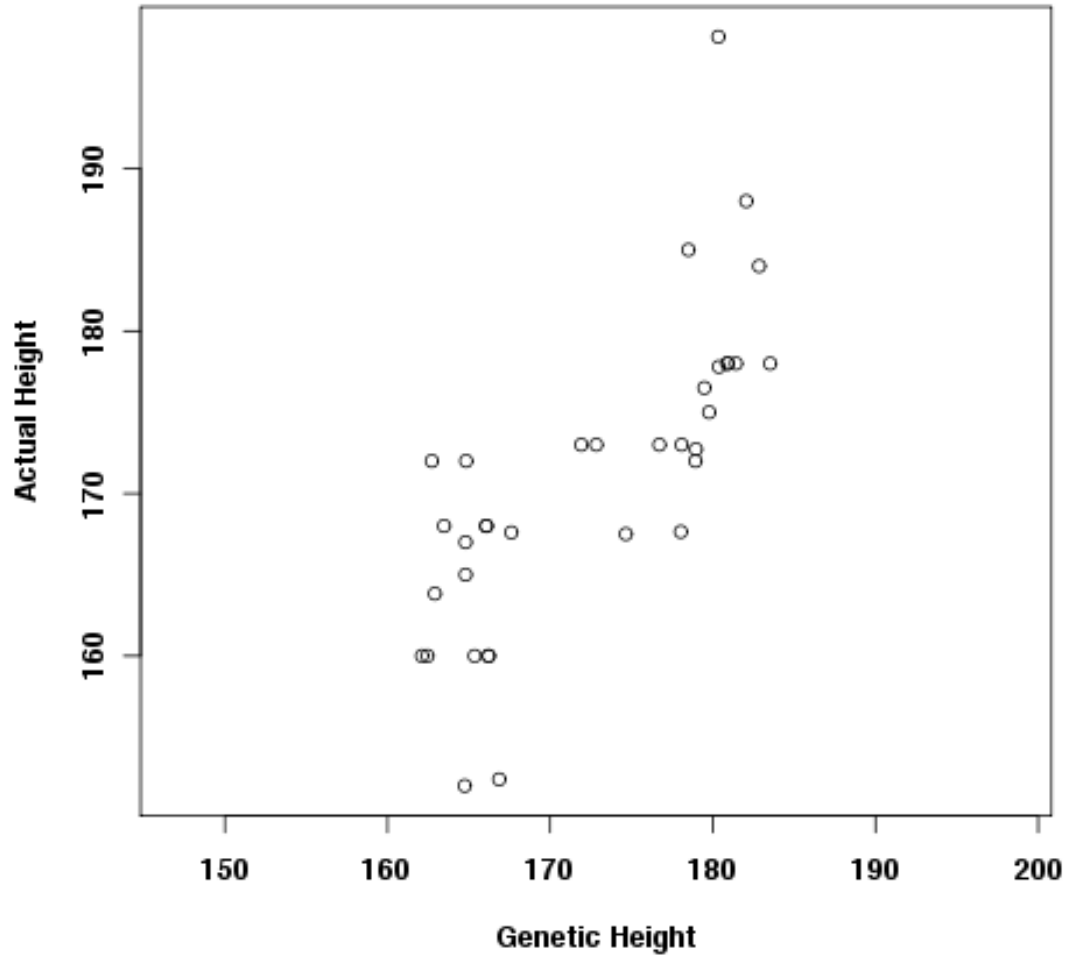


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# Height prediction

**Genetic Prediction**  
**0.757324356293138**



# How much Neanderthal are you?



Neanderthal



George Church,  
Harvard Geneticist

# Informed consent

Time and Date	Subject
12 January 1:15 - 2:30PM in Munzer Auditorium	Stuart Kim (Overview), Hank Greely (Legal and Ethical Issues)
19 January 1:15 - 2:45PM in Alway M114	Kelly Ormond and Louanne Hudgins (Legal and Ethical Issues)
26 January 1:15 - 2:45PM in Alway M114	Movie "In the Family"
2 February 1:15 - 2:45PM in Alway M114	Class discussion Sign up for genotyping. Send out samples.
30 March 1:15 – 2:45 LKSC 101/102	Genetics 210 begins

# Genotyping Survey

Keyan Salari MD PhD and Kelly Ormond

Sign up at [gene210.stanford.edu](http://gene210.stanford.edu)









