## **Introduction 2**

- How do we know things?
- Genetics Introduction

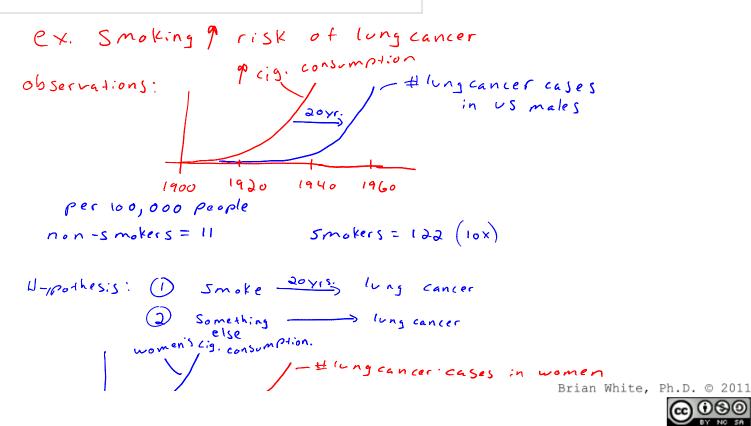
Fill out an information sheet!

Labs start next week!

Due in Lab – Pre-Lab 01

Next Week you will need:

- . Campbell book (8th edition)
- Problems Book
- Lecture Handouts
- · Lab Manual
- iClicker
- Copy of Problems book CD



more data -> 1 confidence

Science = certainty vs. confidence

Genetics -> explaining genes = analysis of inheritance

Gregor Mendel (1850's) -> model that explains observations & Predict out comes

Pre-Mendel = blending inheritance

-> offspring look like <u>mixture</u> of parents

Starting Point

- 1) organism = pea plant
- 2) Specifics characteristics uldistinct traits

feature of organism

Variant of char

ex. Pea Shape plant height tall Short

Pure-breeding plant
- always identical offspring crossed (sym. X)

Experiment T pure-breeding X pure-breeding round wrinkled parents cross#1

offspring = all round 0 -> u rinkled disappears

cross#2:

F, round X F, round

Brian White, Ph.D. © 2011

## **Blended Inheritance Model**

