

Lab 3

Spices and Drugs

Admin

- Homework, quizzes
 - Check your grades on Learn
 - You need to turn in HW to pass class!
- Questions from last week?
- Office hours: Wed 12-2p, SMLC 174 or Atrium
- Independent Investigation (more at end of class).

Individual Presentation

- Pick a news article about biology.
- Bring 6 copies of the article to class.
- Prepare 1 powerpoint slide, send to me by 5pm Wed the day before you present (attach to UNM Learn message).
- Short: 2-3 minutes. Have fun.
- I may draw 1 quiz question from presentations.
- My turn.

Neglected Tropical Diseases (NTD) & Poverty

- “Bottom billion”: 1.2 billion people live on less than \$1.25/day
- NTDs are “long-lasting parasitic and related infections”
 - Cause poverty by reducing ability to work
 - Stunt physical and intellectual development
 - Also found in the U.S., associated with poverty
- How can science help?
 - Treat many people for many NTDs at once: costs <\$0.50
 - Developing “antipoverty vaccines” for hookworm, ascariasis

(reference: www.huffingtonpost.com/peter-hotez-md-phd/science-for-the-poor-maki_b_4731187.html)

Wet Lab

- We have acid, boiling water, and bacteria.
- Be careful & **pay attention**.
- Make sure your lab table is clean before you leave.
- Pipette demo.

Independent Investigation

- Make groups of 2-4 (if you *really* want, you can work alone).
- Get names / email / phone# of group members. You will need to turn them in with lab write-up.
- Schedule a time to make bread together. Everyone should be present.
- After bread-making, experiment is individual.