Lab Notes

POWERHOUSE SCIENCE CENTER COMMUNICATION FELLWS

You completed your Science Communication Fellowship Passport! Time to claim your participation pin!

OAK RIDGE

Congratulations!

## **DISCOVERY**MUSEUM

Science & Space Center Growing into the Powerhouse Science Center 3615 Auburn Boulevard, Sacramento, CA 95821 (916) 808-3942 www.TheDiscovery.org

### POWERHOUSE SCIENCE CENTER SCIENCE COMMUNICATION FELLOWS

# Family Science Night at Oak Ridge Elementary School May 7, 2014

# LAB NOTEBOOK



The Discovery Museum Science & Space Center, soon to be the Powerhouse Science Center, is part of the Portal to the Public National Network, creating a cadre of well-trained *Science Communication Fellows* who learn to educate and inspire people of all ages about the wonders, possibilities, and the responsibilities of science.

Science Communication Fellows are professional scientists who are learning how to break down highly technical concepts and explain them using every day analogies and vocabulary. Each Fellow is challenged to develop unique, entertaining, hands-on ways to share and explain their particular scientific work with the public.

Please enjoy learning about their work!



My research focuses on how medication, diet and environmental chemicals impact disease. Question: What's your favorite chemical?



Wade Zeno Chemical Engineering

My research focuses on how the molecules in cell membranes work.

Question: What is a cell membrane?









**Kristen Beck** Molecular & Cellular Biology

My research focuses on the genome and how computers help us to understand its function. Question: What is a genome?



Plant Biology

Mark Lemos

My research focuses on plant stress and response/signaling.

Question: What is the worlds smallest flowering plant?



#### Sam Westreich Genetics

My research focuses on examining the activities of bacteria in the human digestive tract.

Question: Are all bacteria bad for you?



Alli Injaian Animal Behavior Graduate Group

My research focuses on the effects of traffic noise on bird survival and reproduction.

Question: Why do birds sing?



### **Caitlin Wells** Ecology

I study the behavior and reproduction of wild animals, especially endangered species. Question: What is your favorite animal?





I research the harmful chemicals that are found in everyday products.

Question: How do our bodies get rid of pollutants?





Cindy Mahon Sac Metro Air Quality Management District

I am an inspector for the Mobile Sources Division. We help people trade in their old polluting trucks and engines for newer less polluting trucks, tractors and engines. **Ouestion: Can you see air pollution?** 





Donnelley West Plant Biology

I am studying the genetic aspect of leaves: How do plants make new leaves? Why are leaves shaped differently? Why does the top of a leaf look different from the bottom?

Question: Why did you decide to study leaves?



### Greg Foster Biomedical Engineering

My research is focused on heart disease and the role of our immune system during heart disease progression.

Question: How much blood do we have in our body?





Janice Lam Snyder Sac Metro Air Quality Management District

I monitor the amount of air pollution in Sacramento and develop ways on how to reduce pollution.

Question: What causes air pollution?



Jeni Lee Biomedical Engineering

The ultimate goal of my research is to provide patients with an alternative to joint replacement. I address diseases such as arthritis by growing cartilage tissue in the lab.

Question: What is my heart made of?



Juan Reyes

My research focuses on understanding the factors that affect ovum quality in cows. **Question: What animal do you work with?** 





