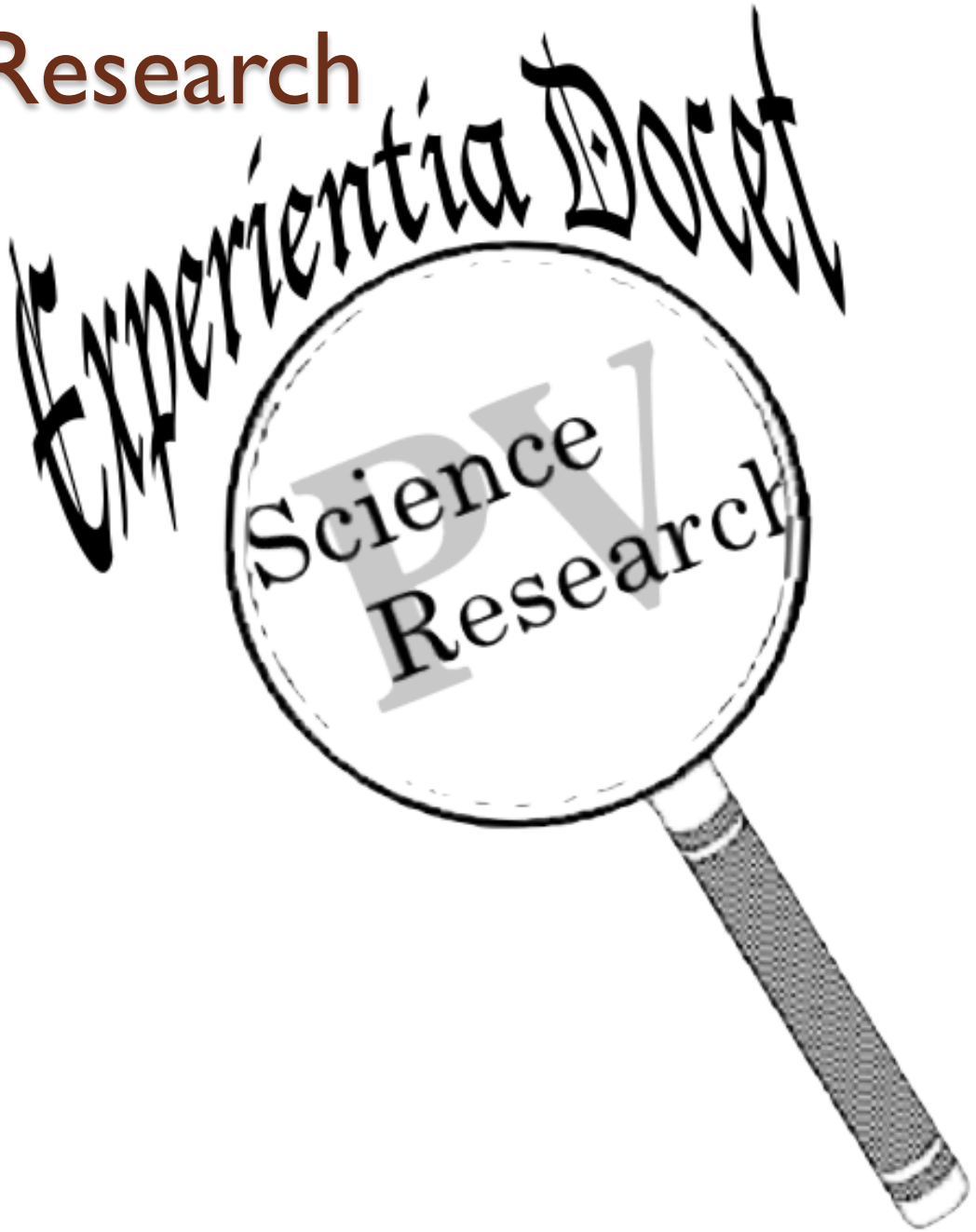
# PV Science Research

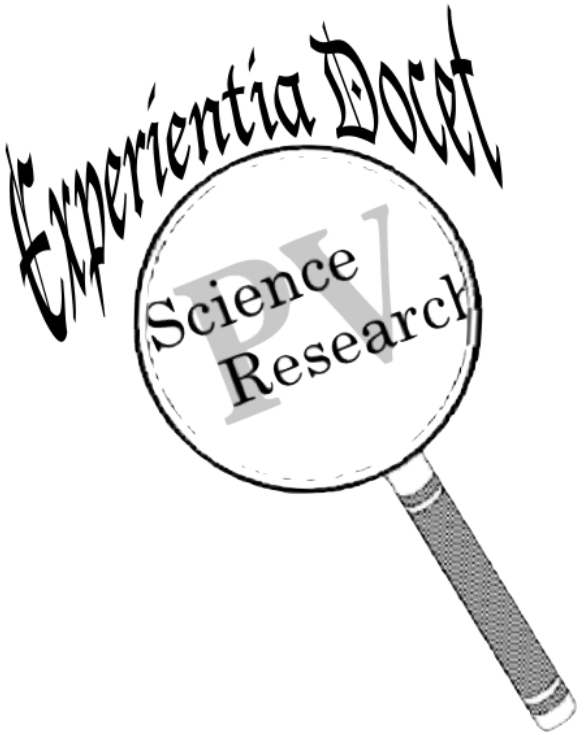


# Normal Schedule

- Students work on:
  - Journal articles
  - Presentations
  - Contacting possible mentors
  - Refining possible hypotheses
- Meeting once every two weeks one on one to discuss their progress and set goals for the next two weeks

# Goals

- Finding a Mentor
- Sophomore Westlake Fair
- Local PVHS Symposium on June 2nd 6-9pm



# Jacqueline Brown

- The effect of parenting on adolescent criminal behavior.

# Shannon Crotty

- Family-Based Therapy vs. Cognitive-Remediation Treatment in the treatment of anorexic adolescents.

# Kayla Ortiz

- Mercury levels in dolphins - causing behavior issues such as violence towards porpoises

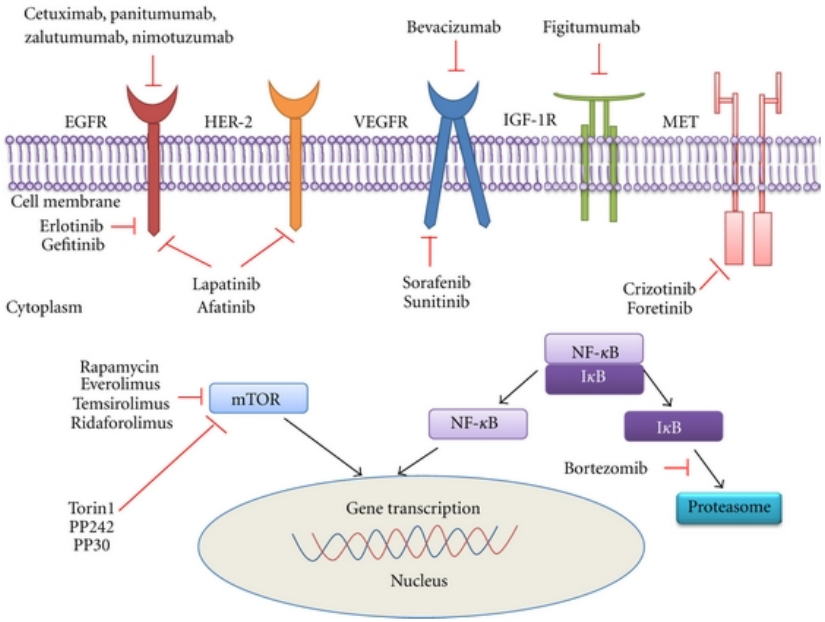
# Jessica Peirce

- Correlation between core stability in athletes and the development of Tommy John surgery in baseball players.

If the long head of the bicep tendon rides on the groove, it neurologically shuts down the signal for the arm muscles to absorb force. This force is then transferred to the elbow and shoulder region causing tendon, ligament and shoulder damage. At Dallas Peak Performance & Rehab, we can immediately reverse this issue, eliminating the need for surgery

# Roger Sanabria

- Following the HER (Human Epidermal Receptor) gene in both breast and gastric cancer and examining relationships.



# Mariana Silva

- Measuring the degree of the restorative effects of green roof scenes

Klinkenborg, Verlyn. "Green Roofs." *Green Roofs — National Geographic Magazine. National Geographic Society, May 2009. Web. 09 Mar. 2015.*

# Elizabeth Tarrant

- The effects of the PFC (Pre-Frontal Cortex) on criminal behavior.

# Ryan Usai

- The relationship between WNS exposure time to a hibernacula, and the population of dead or infected bats in the hibernacula