

# PETRA ANTEATER

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## EDUCATION:

University of California, Irvine

June 20##

**Bachelor of Science in Microbiology and Immunology**

Overall GPA: 3.##/Science GPA: 3.##

## RELEVANT COURSEWORK:

Evolution, Ecology, and Biodiversity, Introduction to Molecular Biology, Genetics, General and Organic Chemistry Laboratory, Molecular Parasitology, Advanced Molecular Genetics

## RESEARCH EXPERIENCE:

**Clinical Research Assistant**, Cardiac Surgery, UCI Medical Center June - July 20##

- Performed a review study of minimally invasive versus conventional heart valve surgery
- Retrieved, studied, and evaluated patient charts for left anterior descending coronary artery endarterectomy clinical outcome study and performed patient follow ups

**Research Assistant**, Pathology, Hoag Medical Group March 20##-May 20##

- Collected and analyzed heart dimension measurements, stained tissues, performed photo imaging; analyzed proteasome, transcription factor, and myocyte activity
- Honors Thesis Presentation, April 20##: "Effect of a Proteasome Inhibitor on Reperfusion Injury of the Myocardium Using a Pig Myocardial Infarction Model" (publication)

**Clinical Research Assistant**, Cardiac Laboratory, UCI Medical Center June 20## - April 20##

- Worked on clinical study correlating link between mast cells and coronary artery disease (1 publication, 3 manuscripts in preparation)
- Consented patients, collected samples, analyzed data, observed procedures and consults.

**Clinical Research Assistant**, Emergency Room, UCI Medical Center December 20##

- Shadowed emergency room physicians
- Collected and analyzed data of troponin measurements for clinical study on myocardial infarction patients

## CLINICAL EXPERIENCE:

**CARE Corps Volunteer**, Ayacucho, Peru June 20## - July 20##

**Health Mission Volunteer**, Peruvian American Medical Society, Ayacucho Regional Hospital

- Assisted physicians from the United States and Peru in healthcare facilities (i.e., emergency & family medicine, pediatrics, surgery, rural mountainside house calls)
- Observed healthcare professionals give disease prevention presentations to high school students  
Administered fluoride treatment to grade school students

**Clinical Assistant**, Family Practice of Robert D. Kashman, MD, Sierra Madre, CA April 20##

- Shadowed and assisted physician and staff (i.e., administered flu shots, bandaging, x-rays)

## PROJECTS:

**Scientific Project** - Exploring the Current State of Neurodevelopmental Disorders Summer 20##

Southland Center for Neuroscience Advancement

- Researched the neurodevelopmental disorders and treatment advancements.
- Conducted analysis on how these disorders are diagnosed and how are they treated.
- Analyzed scientific papers on this topic and developed a review paper focusing on treatments which are the most effective and least effective and which treatment plans are riskier than others.
- Presented findings at Neuroscience conference held in Daytona, Florida 20##

## PRESENTATIONS:

“Coronary Artery Disease and the Inflammatory Process,” August 20##  
Pathology 134 Poster

“Uniqueness of Zarathushtra's Vision and Its Impact,” December 20##  
7th World Zoroastrian Congress, Houston, TX

“Mast Cell Tryptase Measurements during Cardiac Catheterization and the Effect of Heparin Administration,” August 20##  
American Heart Association Poster Session, Chapel Hill, NC

“Factors that Control the Habitats of May Flies in Western North Carolina,” July 20##  
Appalachian State Univ., Boone, NC

## PUBLICATIONS:

- B. Upadhyya, J.L. Kontos, **P. Anteater**, J. Pye, W. Boucher, T.C. Theoharides, G.J. Dehmer, E.N. Deliargyris. Mast Cell Tryptase is Not Elevated in Patients with Left Ventricular Systolic Dysfunction. J Heart Fail 20##; 7(1): 72.
- Joseph Pye, **Petra Anteater**, Arlene McCain, Dwight D. Bellinger, Elizabeth Merricks, Julian Adams, Peter J. Elliott, Christine Pien, Thomas H. Fischer, Albert S. Baldwin, and Timothy C. Nichols. Proteasome Inhibition Ablates Activation of NF-kB Induced During Myocardial Reperfusion and Reduces Reperfusion Injury. Am J Physiol Heart Circ Physiol. November 7, 20##.

## HONORS AND AWARDS:

- Phi Beta Kappa Honor Society April 20##
- Federation of Zoroastrian Associations of North American Academic Scholarship April 20##
- UCI Undergraduate Research Support Award October 20##
- American Heart Association Student Research Award April 20##
- Dean's List Recognition April 20##

## RELEVANT TRAINING:

- UCI Mini-Medical School: Health & Research Seminar, 20##
- Clinical Lab Science-Medical Topics, 20##
- Emergency Medical Technician-Basic, 20##

## SKILLS:

**Languages:** Fluent in Cantonese

**Laboratory:** Enzyme characterization, RIAs, ion-exchange chromatography, gel electrophoresis, protein assays, plasma preps, aseptic techniques, use of radioisotopes, HPLC, cell fractionation

**Computer:** Speech Recognition Software, Healthcare Common Procedure Coding System (HCPCS), Electronic Health Records (EHR)