

Peter Anteater

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EDUCATION

Bachelor of Science in Biological Sciences

June 20##

University of California, Irvine

GPA: 3.52

Senior Thesis: Analysis and Evaluation of Advanced Genome Sequencing on Cells

AWARDS

- Dean's Honors (5 quarters) Fall 20##- Spring 20##
- UC Irvine National Honor Society
- UCI Excellence in Research Honor
- UCI Undergraduate Research Opportunities Program (UROP) - \$2500 grant

RESEARCH EXPERIENCE

Research Assistant, UCI School of Biological Sciences, Irvine, CA

Dec. 20##- Present

Faculty/PI: Mike Taylor, Assistant Professor, Department of Biological Sciences

- Assessed bacterial growth of hundreds of colonies each week and performed data collection
- Collaborate with research team of five members to analyze genome sequences of bacteria colonies in agar growth medium
- Evaluated and compiled data in multiple organized databases for scientific review

Fieldwork Assistant, UCI Department of Ecology and Evolution, Irvine, CA

Sept. 20##-Dec. 20##

- Evaluated and revised UCI campus Ecological report by updating current data collected
- Collected tide pool ocean samples from the Pacific Ocean and analyzed morphological traits in comparison to ancient species

TEACHING EXPERIENCE

LARC Tutor, UCI Learning and Academic Resource Center

May 20##-Present

- Met with 20 students individually to review various concepts in organic chemistry through weekly, one hour tutoring sessions
- Provided worksheets with practice problems and chapter outlines and assessed students' performance based on accuracy and completeness of worksheets
- Held private sessions with students to find solutions to missed concepts and increased student performance on exams by 25%

RELEVANT WORK EXPERIENCE

Immunotherapy Biotech Intern, A2 Biotechnologies, Irvine, CA

March 20##-Present

- Created and implement program of assessing various medical advances on the reliability of cell growth against disease
- Developed targeted strategies in effective ways of administering immunotherapies to cells in efficient ways using osmosis techniques

Bioinformatics Assistant, BIOBASE, Irvine, CA

Jan. 20##-March 20##

- Developed new software tools using Lucullus software
- Coded various software using Atom to implement new changes in analyzing the biological data of certain eukaryotic organisms
- Wrote 4 weekly reports on new software, evaluating ability to organize biological data in hundreds of rows

PRESENTATIONS

“Cell to Cell Heterogeneities at Genome Scale Investigated by the Gaussian Network Model ,” 5 Irvine Journal of Cell Biology, 2-70, Winter 20## (with John Smith).

“Spliceosomal Complex Assembly at Variable 5’ Splice Sites ,” Undergraduate Research Opportunities Program, Spring 20##

PUBLICATIONS

B. Upadhyya, J.L. Kontos, **P. Anteater**, J. Pye, W. Boucher, T.C. Theoharides, G.J. Dehmer, E.N. Deliarhyris. Mast Cell Tryptase is Not Elevated in Patients with Left Ventricular Systolic Dysfunction. J Heart Fail 20##; 7(1): 72.

PROFESSIONAL AFFILIATIONS

Biomedical Engineering Society at UCI, September 20## - Present

UCI Phi Delta Epsilon, co-ed international medical fraternity, September 20## - Present

SKILLS

Computer: Proficient in Microsoft, SPSS, JAVA, and GIS

Language: Fluent in Spanish and conversational in Hawaiian

Writing: Grant proposals, Scientific papers

REFERENCES

Mike Taylor

Assistant Professor, Department of Biological Sciences

Relationship: Faculty Advisor

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Irvine, 92697

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Scott Johnson

Professor, Ecology and Evolution Department

Relationship: Professor

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Sally Mason

Assistant Professor, Molecular and Cell Biology Department

Relationship: Faculty Mentor

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