

William A. Whalen

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EDUCATION

California State University, Fresno **Spring 2011-Present**
Masters of Science, Biology, Option: Cell/Molecular Based Cancer Research
Current GPA: 3.63

California State University, Fresno **Granted 2010**
Bachelor of Science, Biology, Option: Anatomy/Physiology

Fresno City College/North Centers (SCCCD) **Summer 2000-Spring2008**

INSTRUCTIONAL EXPERIENCE

California State University, Fresno **Spring 2011-present**
Teaching Associate

- BIOL 104 Genetics/Cell biology
- BIOL 156 Comparative Animal Physiology
- BIOL 10 Biology for non-majors
- BIOL 64 Human Anatomy
- BIOL 65 Human Physiology
- BIOL 20 Microbiology**
- BIOL 244 Cell Culture Techniques**

Reedley Community College
Adjunct Instructor **Fall 2015**
-Human Anatomy

Academic Facilitator, Supplemental Instruction **January 2009-May 2010**
California State University, Fresno

- Academic Excellence Workshop Facilitator at CSU Fresno
- Assist students in gaining a deeper understanding of the scientific principles
- Led the Biology 1A class, Biology 1B class, and Organic Chemistry 128A class

RESEARCH EXPERIENCE

CSU Fresno **July 2011- Present**
Cancer Research Laboratory, Dr. Jason Bush
Traditional two-dimensional cell culture as well as the development of a cost-effective three-dimensional cell culture technique using lab derived collagen (Type I)
Gel electrophoresis, MALDI-ToF, Western Blot, Immunofluorescence, and Bio-informatic analysis

Developmental Biology Lab, Dr. Craig Magie

June 2009-July 2011

Care for live animal specimens

Daily feeding and upkeep of live organisms, separate high nutrition feeding during week of spawning, and keeping detailed records of all sub-group spawning quantities

Conducting research experiments involving *Nematostella vectensis* embryos

Fixing embryos at different stages of development, performing Immunofluorescence microscopy, collecting and interpreting data with Dr. Magie

Children's Hospital Central California

June 2008-September 2009

Diabetes/Endocrinology Department, Dr. Swati Banerjee

- Analyze data of lab results for newly diagnosed Type 1 Diabetics for the years 2007/2008
- Analyze contrasting ICA Titer levels amongst different age groups between the Caucasian and Hispanic populations within the central San Joaquin
- Contributed to abstract for an international endocrinology conference held in New York City September 2010
- Research selected for poster presentation at conference, currently to developing new studies.

COMMUNITY SERVICE

City of Fresno - Homeless Task Force

April 2007-July 2007

Logistics Committee and Services Committee

- Suggested and discussed numerous recommendations for the establishment and operation of an encampment for the homeless of Fresno
- Drafted a detailed plan for alternative living to be voted on by the City Council
- Began implementation after the approval from the City of Fresno.
- Committee was made up outstanding public servants which included individuals representing the City of Fresno, CEO and operation managers from the largest homeless advocates in the area, police and sheriff representatives and one concerned citizen, and myself

PROFESSIONAL ORGANIZATIONS

San Joaquin Valley Worthogs (Home Brewers Association)

2014-Present

-Over 100 Five Gallon+ successful Fermentations dealing with a wide variety of yeasts capable of producing award winning: Cider, Amber ales, West Coast style IPA, Porter, Stout, Kolsch, Belgian Trippel

Member, Health Career Organization Program (HCOP)

Member, Louis Stoke Alliance for Minority Participation (LSAMP)