**Elizabeth Oh**

**Undergraduate Student**

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**281-732-0504**

**Academic Information**

**School:** The University of Texas at Austin

**Major:** Human Biology, BS

**GPA:** 3.2394

**Classification by hours:** Senior

**Summary of Qualifications**

I am currently a third year undergraduate student at University of Texas at Austin as a Human Biology, BS major. I have completed science courses of Biology I and II, Chemistry I and II, Physics I, Genetics I, Biochemistry, Organic Chemistry I and II, Anatomy, Clinical Psychology, Biology Lab, Chemistry Lab, Physics Lab, Anatomy Lab, Introduction to Psychology, Introduction to Nutrition, and Introduction to Sociology. This upcoming semester, I am enrolled in Evolution, Molecular Biology, Intro to Computer Science, Computational Biology, and Govenrment. I am proficient in teaching, various laboratory skills, and organizational skills, but am also willing to put in the time and effort to learn new skills or study new topics that I will be working with. I have always loved learning, taking part in project type work with others towards an exciting goals, helping others, and being at the forefront of discovery and innovation.

**Work Experience**

**Part Time Synchronized Swimming Assistant Coach**

**North Austin Rivermaids**

**2017-2018**

**Youtube Merchandise Website Designer, Orders and Shipping Coordinator**

**Worked for Pokemon Youtuber Laughing Pikachu (Hannah Fawcett)**

**2016-2017**

* **Notable Achievement** : Engineered, designed, and produced holographic custom Laughing Pikachu Trading cards. Generated a revenue of $4,000 in the first 2 weeks of their release.

**Freelance Website Designer**

**Worked for Youtubers, Church Organizations, and Home Loan Officers**

**2016-2019**

**Freelance Synchronized Swimming Choreographer/Music Editor**

**Worked for First Colony Synchrostars, North Austin Rivermaids,**

**and Pirouettes of Texas**

**2015-2019**

* **Notable Achievement** : Specialized in incorporating hip-hop and k-pop elements into the traditional sport. All choreographed routines have qualified for national meets.

**Technical Skills**

* Data Entry/Excel Proficiency
* Lab Maintenance
* Solution Preparation
* Cell Culture Establishment and Maintenance
* Cell/tissue Slide Mounting
* Staining
* Protein Assay
* Western Blot
* Autoradiography
* Library Cataloging
* Coding Java/Python

**Transferable Skills**

* Organization
* Project Management
* Creative Problem Solving
* Teamwork
* Public Speaking

**Self-Acquired Skills**

* Website building (HTML coding, Weebly, Wix, Squarespace, Tictail)
* Product Designing and Dropship Retailing
* Online Shop Organization and Inventory
* Video Editing (iMovie, Filmora, Adobe After Effects)
* Music Editing (Garageband, Audacity)
* Guitar, Electric Bass

**Volunteer Experience**

**Medical Mission Trips**

**Head Manager of Stool/URI/Blood Analysis and Testing Station**

**Helped out in Pediatric, General Internal, Dental Scribe/Assistant, Vitals**

**Hanbit Korean Presbyterian Church**

**2017–2019**

* Peru (Lima slums, Lima Downtown, Puente Piedra) 2017
* Uganda (Gulu slums, Gulu outskirts villages, primary/secondary schools) 2018
* Brazil (Tabatinga and Campo Alegre Amazon Villages, Manaus Slums) 2019

**Leadership Experience**

**Praise Leader/Media and Sound Coordinator**

**Acts College Fellowship (College Ministry for Acts Fellowship Church)**

**2017-2019**

**Ministry Event Leader**

**Acts College Fellowship (College Ministry for Acts Fellowship Church)**

**Spring 2018**

**A-Team (Administrative Team): Secretary/Treasurer**

**Acts Fellowship Church**

**2019-2021 (end of serving term)**

**Research Assistant Experience**

**Student Laboratory Research Assistant**

**The University of Texas M. D. Anderson Cancer Center**

**Neuropathy/Pain Medicine Research Team under Dr. Hee Kee Kim**

**2015–2017**

* Prepared solutions for use in fluorescent imaging, animal injection for pain medicine trials, and cell cultures.
* Maintained and established tissue culture cell lines.
* Removal of rat DRG by dissection and mounting slides with tissue samples.
* Imaged and identified cell structures and chemical differences in the L3 and L4 DRG of lab rats with cancer and neuropathy treatment.
* Isolated, purified, and analyzed RNA, DNA, and protein using protein assay and gel electrophoresis autoradiography.

**Publications**

**Frontiers Journals**

**Rolipram, a Selective Phosphodiesterase 4 Inhibitor, Ameliorates mechanical Hyperalgesia in a Rat Model of Chemotherapy-Induced Neuropathic Pain through Inhibition of Inflammatory Cytokines in the Dorsal Root Ganglion**

Kim, H. K., Hwang, S. H., Oh, E., & Abdi, S. (2017, November 16). Rolipram, a Selective Phosphodiesterase 4 Inhibitor, Ameliorates Mechanical Hyperalgesia in a Rat Model of Chemotherapy-Induced Neuropathic Pain through Inhibition of Inflammatory Cytokines in the Dorsal Root Ganglion. Retrieved from <https://www.frontiersin.org/articles/10.3389/fphar.2017.00885/full?&utm_source=Email_to_authors_&utm_medium=Email&utm_content=T1_11.5e1_author&utm_campaign=Email_publication&field=&journalName=Frontiers_in_Pharmacology&id=316737>

**Notable Contributions**

* PDE4 and IL-1β immunofluorescent imaging work and analysis for figures 3 and 4
* Preparation of solutions

**Outstanding Achievements**

**National and International Synchronized Swimming Competitor**

**USA Nationals, US National Team Trials, US Opens, Junior Olympics**

**Team and Soloist for First Colony Synchrostars**

**2014–2017**

* Eastern USA National Team Qualifier: 1st Place 2014
* Texas Regionals: overall 1st place 2015-2017
* USA Nationals: 7th place duet, 14th place solo 2017
* Junior Olympics: 3rd place team 2017