

Elizabeth Oh
Undergraduate Student
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Academic Information

School: The University of Texas at Austin
Major: Human Biology, BS
GPA: 3.3394
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 Government. 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 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](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%20in%20Pharmacology&id=316737)

Notable Contributions

- PDE4 and IL-1 β 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 Synchronstars
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

