

**BEVO LONGHORN**  
123 Longhorn Lane | Austin, TX 78712  
512-123-4567 | bevo.longhorn@utexas.edu

## EDUCATION

---

<b>The University of Texas at Austin (UT), Austin, TX</b> Doctor of Philosophy Candidate in Microbiology Current GPA: 3.86/4.00	Expected May 2019
<b>The University of California at Irvine (UCI), Irvine, CA</b> Bachelor of Science in Microbiology and Immunology GPA: 3.72/4.00; Graduated with Honors	May 2014

## THESIS

---

**Title:** The Future of Vaccines

**Synopsis:** The thesis examines the way the human immune system finds different kinds of receptors on bacteria and viruses in order to execute an immune response. Due to the rise of drug-resistant strains, however, there is a need to develop vaccines that can recognize not only protein but also carbohydrate receptors. The aim of this thesis is to increase awareness and start a movement for the next era of vaccines.

## RESEARCH INTERESTS

---

In my brief research and academia career, I have looked at the state of infectious diseases and how effective, or ineffective, current vaccines are against them. The bulk of my research has been on two different diseases, lung cancer and malaria, as those are two of the most globally prevalent diseases. With the majority of vaccines' focusing on protein receptors, the research that I have done relates to changing the perspective and scope of vaccinology and looking at carbohydrate receptors instead.

## RESEARCH EXPERIENCE

---

<b>MD Anderson Cancer Center, Houston, TX</b> <i>Undergraduate Summer Researcher for the Cancer Prevention Research Training Program</i> <i>Mentor: Dr. Clara Cell</i>	June 2014 – Aug. 2014
--	-----------------------

- Conducted research with Dr. Cell on developing lung cancer vaccines for clinical trials in mice
- Presented a poster in front of other MD Anderson faculty and students about the progress made during the summer in the currently proposed vaccines for lung cancer
- Assisted the MD Anderson front desk with administrative tasks such as keeping track of the amount of patients in the lobby and directing calls to the correct departments

<b>The University of California at Irvine, Irvine, CA</b> <i>Undergraduate Researcher in the Doe Lab under Dr. John Doe</i>	Jan. 2012 - May 2014
--	----------------------

- Executed drug trials for malaria vaccines in rats to determine which proposed vaccine was most fit for further development and research
- Replicated proposed drug vaccines through processes (e.g. PCR, bacterial recombination, etc.) to a sufficient amount for the drug trials
- Presented posters to undergraduates, graduate students, and professors annually at the undergraduate research poster presentation conference for the School of Biological Sciences
- Participated in attending national conferences on vaccines for infectious diseases
- Attended weekly meetings to discuss the progress of the research and to determine what needed to be done for the coming week

**BEVO LONGHORN**  
123 Longhorn Lane | Austin, TX 78712  
512-123-4567 | bevo.longhorn@utexas.edu

## **TEACHING EXPERIENCE**

---

**The University of Texas at Austin, Austin, TX** Jan. 2015 - Present

*Teaching Assistant (TA) for Microbiology*

- Facilitate and teach supplementary sessions for students outside of lecture to help students understand course subject-matter by creating and providing additional materials
- Meet weekly with the other four Teaching Assistants and the professor about ways to improve the class based on an assessment of the work done in the previous week
- Make adjustments to the class based off of student feedback from weekly online assessments
- Communicate with TAs from other classes and assess the student population as a whole with professors and administrators of the university to make recommendations to the college structure

**The University of California at Irvine, Irvine, CA** August 2013 - May 2014

*Undergraduate Teaching Assistant (UGTA) for Introductory Biology*

- Engaged with fellow undergraduate students by tutoring, explaining assignments, and overseeing supplementary teaching sessions headed by the graduate TA
- Created teaching and tutoring materials for 1:1 sessions with students on a biweekly basis or by appointment
- Graded assignments on a weekly basis according to guidelines set by the professor, the UGTAs, and the TA

## **CONFERENCE/POSTER PRESENTATIONS**

---

**Undergraduate Poster Conference** Apr. 2012, 2013, 2014

Irvine, CA

*The Extinction of Malaria: How a Vaccine Will Cure Us All*

A poster and oral presentation on the state of the vaccine from the Doe Lab. Each year, the progress from the previous year is discussed along with the limitations or setbacks of the current vaccine compared to past vaccines. A Q&A session is held after each poster presentation to field ideas for the coming year.

## **CONFERENCE ATTENDANCE**

---

**Vaccine World Summit** Mar. 2014

New York, NY

**Global Health and Vaccination Research Conference** Nov. 2013

Washington, DC

**WHO Malaria Policy Conference** July 2012

Atlanta, GA

## **FELLOWSHIPS, SCHOLARSHIPS, AND GRANTS**

---

**William F. Holcomb Scholarship Fund** May 2013

Awarded to students conducting research in biomedical research at UCI

**American Public Health Association Undergraduate Scholarship** May 2012

Awarded to one undergraduate per year in the nation

## **ACADEMIC AND COMMUNITY SERVICE**

---

**Biological Sciences Student Council, UCI, Irvine, CA** Aug. 2013-May 2014

## **BEVO LONGHORN**

123 Longhorn Lane | Austin, TX 78712  
512-123-4567 | bevo.longhorn@utexas.edu

### *Vice President of Academic Affairs*

- Oversaw college-wide meetings with professors, administrators, and students once per semester to discuss how to address and resolve academic issues
- Created monthly newsletters to send out to the college about the progress being made on issues brought up during the previous semester's meeting
- Participated in weekly meetings with the whole council

### *Member*

Aug. 2011-May 2013

- Maintained and exceeded the standards for active member status by participating in each event
- Raised more than \$2,000 over two school years by organizing bake sales, creating fundraising websites, and advertising the projects to the school

### **Global Public Health Brigades, UCI, Irvine, CA**

Sept. 2012 - Aug 2013

### *Member*

- Journeyed to Honduras as a part of a team to build wells for clean water
- Raised public health awareness in the community about the dangers of using unclean water
- Collected data about the prevalence of drinking unsanitary water and the harmful effects on the community
- Published a reflection paper about the brigade to the Global Public Health Brigades' website