

## Curriculum Vitae

### **Joel Quiros, Ph.D.**

Biology Instructor  
Coastal Bend College  
3800 Charco Road  
Beeville, Texas 78102  
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## **EDUCATION**

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### **Doctorate of Philosophy, Integrative Molecular and Biomedical Sciences** April 2017

Baylor College of Medicine, Houston, TX

Dissertation Title – Functional Prediction and Characterization of the *Plasmodium falciparum*  
Malaria Parasite Protein EXP1

Advisor – Olivier Lichtarge

Committee – Christophe Herman, Martin Matzuk, Timothy Palzkill, Lynn Zechiedrich

### **Bachelor of Science, Biology, Magna Cum Laude** May 2008

Northwestern State University, Natchitoches, LA

Biomedical Concentration; Minor – Chemistry, Microbiology

## **TEACHING EXPERIENCE**

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### **Coastal Bend College, Biology Instructor** Fall 2017 – Present

Courses Taught:

- Anatomy and Physiology Lab I (BIOL 2101)
- Anatomy and Physiology Lab II (BIOL 2102)
- Anatomy and Physiology Lecture I (BIOL 2301)
- Anatomy and Physiology Lecture II (BIOL 2302)

## **RESEARCH EXPERIENCE**

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### **Graduate Research Assistant** June 2008 – April 2017

Molecular and Human Genetics Department, Baylor College of Medicine, Houston, TX

- Expressed and purified a membrane-bound protein to use in enzyme kinetic assays
- Designed and developed assays to monitor novel enzymatic function and inhibitor screening
- Created gene knockout E. coli strains to utilize in bacterial survival assays and to determine RecA protein levels using Western Blotting
- Presented journal club talks, gave presentations at departmental seminars, local symposiums

### **Undergraduate Research Assistant** Spring 2006 – Spring 2008

Department of Biological Sciences, Northwestern State University, Natchitoches, LA

- Learned basic techniques in genomic DNA extraction, PCR, and primer design

## **WORK EXPERIENCE**

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Tutor/Tutor Coordinator March 2006 – May 2008  
University Academic Center, Northwestern State University, Natchitoches, LA

- Provided one-on-one and small group sessions in introductory biology and chemistry courses
- Acted as liaison between tutors and tutor advisor
- Recorded tutor sessions on computer system and set up tutor/academic advisor appointments
- Organized presentations on effective studying, good organization habits, and promotion of tutoring services

## **PUBLICATIONS**

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Lisewski AM\*, Quiros JP\*, Ng NL, Adikesavan AK, Miura K, Putluri N, Eastman RT, Scanfeld D, Regenbogen SJ, Altenhofen L, Llinas M, Sreekumar A, Long C, Fidock DA, Lichtarge O. (2014). "Supergenomic Network Compression and the Discovery of EXP1 as a Glutathione Transferase Inhibited by Artesunate." *Cell* 158(4): 916-928

## **MEMBERSHIPS AND CERTIFICATIONS**

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American Society for Microbiology

College Reading and Learning Association Certified Tutor – Level 3

## **HONORS AND AWARDS**

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The Claude W. Smith Fellowship Award, Baylor College of Medicine, 2014

Molecular & Human Genetics Department Award for Best Paper by a Graduate Student, Baylor College of Medicine, 2014

## **CONFERENCE PRESENTATIONS**

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### **Poster Presentations**

**Quiros JP**, Lisewski AM, Adikesavan AK, Regenbogen SJ, Putluri N, Sreekumar A, Lichtarge O. (March 2013). Functional prediction and characterization of the malaria protein EXP1. Molecular Basis of Infectious Disease Retreat. Houston, Texas

**Quiros JP**, Lisewski AM, Lichtarge O. (March 2012). Network based predictions of novel stress response genes in human pathogens. Molecular Basis of Infectious Disease Retreat. Houston, Texas