

Guadalupe Quintana, MS

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Education

University of Illinois at Chicago-School of Public Health <i>In Progress: Doctor of Philosophy Student-Environmental and Occupational Health Sciences</i>	Chicago, IL Aug 2019-Present
University of Notre Dame- Eck Institute for Global Health Master of Science-Global Health	Notre Dame, IN July 2015
Saint Mary's College Bachelor of Science-Cellular/Molecular Biology Minor in Philosophy	Notre Dame, IN May 2012

Fellowships and Grants

Health Policy Research Scholar (HPRS)- Robert Wood Johnson Foundation & Johns Hopkins University <i>Scholar</i> https://healthpolicyresearch-scholars.org/meetthescholars/lupita-quintana/ <ul style="list-style-type: none">National fellowship program supporting minority doctoral students in applying their research to advance equitable and inclusive policy and practice	Sep 2020-Present
National Institute for Occupational Safety and Health (NIOSH)- Centers for Disease Control and Prevention <i>Trainee</i> <ul style="list-style-type: none">Industrial Hygiene Traineeship with the Great Lakes Center for Occupational Health and Safety at UIC	Aug 2019-Present

Publications

2012: Platt TR, Quintana G, Rodriguez AE, Zelmer DA. Migratory response of *Echinostoma caproni* (Digenea: Echinostomatidae) to feeding by ICR mice. *J Parasitol*. 2013 Apr;99(2):247-9. doi: 10.1645/GE-3245.1.

2017: Leung et al. Retrotransposons Are the Major Contributors to the Expansion of the *Drosophila Ananassae* Muller F Element. *G3: Genes, Genomes, Genetics*. 2017 Jun; <https://doi.org/10.1534/g3.117.040907>.

2019: Vander Wyst KB, Quintana G, Balducci J, Whisner CM. Comparison and Characterization of Prenatal Nutrition Counseling among Large-for-Gestational Age Deliveries by Pre-Pregnancy BMI. *Nutrients*. 2019; 11(12):3018. doi.org/10.3390/nu11123018

Academic Research Experience

University of Illinois at Chicago <i>Graduate Research Assistant-Illinois Occupational Surveillance Program 2-Long Term Injury Study</i> <ul style="list-style-type: none">Assist with analyzing interviews, editing papers for publication, and other tasks as requested	Chicago, IL Aug 2019-Present
University of Notre Dame <i>Master Thesis *Awarded Distinction</i> <i>Investigating the relationship between gut microbiomes and soil transmitted helminths in the gut of children</i> <ul style="list-style-type: none">Year-long research study evaluating chronic parasitic infections in Indian children of rural villagesDesigned experiment and data collection strategies with collaborators at the Institute for Life Sciences in IndiaIndependently analyzed data through laboratory techniques such as PCR, microbiology, next generation sequencing, statistical analysis using SPSS and R software, wrote proposals, balanced project budget and met with IRB board	Notre Dame, IN-Bhubaneshwar, India Sep 2014-July 2015
London School of Economics and Political Science <i>Global Health Forum Presenter</i> <ul style="list-style-type: none">Presented thesis on parasitic infections to a group of LSE students, faculty and economistsDiscussed the importance of infectious diseases in children of India in the realm of economy and global healthGained insight into how global health is interconnected to economics and politics while receiving valuable feedback on how to improve global health from professionals in the field of economics	London, England May 2015
Saint Mary's College <i>Scientific Research Composition:</i> <i>Migratory response of Echinostoma caproni (Digenea: Echinostomatidae) to feeding by ICR mice</i> <ul style="list-style-type: none">Designed and carried out senior comprehensive project on parasitic worms and evaluated their migrational patterns in the intestine of ICR mice	Notre Dame, IN Apr 2011-May 2012

- Worked closely with expert advisor to design experiment, research previous data and wrote scientific analytical paper on findings; Paper was published in the issue of the *Journal of Parasitology* in April 2013

Biotechnology Annotator

- Research-based course in which my task was to study the genomes of various *Drosophila* fly species in cooperation with the Genome Center at Washington University in Saint Louis, Missouri; worked on finding proteins, genomic elements, calling reads, *E. coli* gene contaminations, plasmids, and was also introduced to various genome sequencing techniques

Employment and Professional Experience

University of Illinois at Chicago.	Chicago, IL
<i>Summer Course Builder for the School of Public Health</i>	May-August 2020
<ul style="list-style-type: none"> • PUBH 100 Health and the Public • PUBH 110 Public Health and Global Societies • PUBH 300 Critical Thinking in Public Health • Assisted in developing and reconstructing undergraduate courses to online-only Blackboard version for Fall 2020 • Organized weekly Zoom meetings with instructors to brainstorm on class design, modify media for online-only environment, reformat assessment and engagement tools, and led trainings for instructors requiring IT coaching 	
<i>Teaching Assistant-IPHS 410: Global Public Health Successes</i>	Spring 2021
<i>Teaching Assistant-IPHS 409: Global Public Health Challenges</i>	Fall 2019 & 2020
<ul style="list-style-type: none"> • Assisted course professor with master level course with various teaching duties including maintaining office hours, assisting students with questions, grading assignments, leading discussions and lectures 	
Maricopa Integrated Health System	Phoenix, AZ
<i>Clinical Research Coordinator I</i>	Feb 2016-Aug 2019
<ul style="list-style-type: none"> • Ensured compliance with protocols and overall clinical objectives to secure subject protection and quality data • Mentored research assistants and others on best practices for clinical research when fit • Assisted in developing, organizing, and implementing faculty and resident research studies as well as coordinating prospective clinical studies 	
University of Notre Dame Academic Services for Student Athletes	Notre Dame, IN
<i>Academic Mentor and Tutor</i>	Aug 2014-Apr 2015
<ul style="list-style-type: none"> • Mentored and tutored college athletes with their academic studies • Conducted weekly meetings to aid with reading, grading papers, reviewing responsibilities and providing them with college resources • Helped students achieve weekly academic goals to maintain both athletic and academic standing 	
Maricopa Integrated Health System	Phoenix, AZ
<i>Shadow (Dr. Dan Quan, DO)</i>	Aug 2013-Jan 2015
<ul style="list-style-type: none"> • Gained experience with emergency medicine protocols, patient triage, trauma procedures and patient charting • Interacted with emergency physicians, nurses, staff and patients while observing variety of medical cases 	
<i>Volunteer</i>	
<ul style="list-style-type: none"> • Volunteered weekly at MIHS working in various departments including information desk, ED, and patient transport 	
Community Betterment Grant and Research Team	Avondale, AZ
<i>Community Health Representative</i>	Aug 2013-Jan 2014
<ul style="list-style-type: none"> • Co-supervised non-profit program composed of a small and diverse group of community leaders including teachers, psychologists, administrators and researchers • Provided outlets for struggling minority groups in Arizona and educated communities to be health driven through research and workshops 	
Multicare Auburn Hospital	Auburn, WA
<i>Intern/Shadow (Dr. Maria Gutierrez-Yach, MD)</i>	Nov 2013-Jan 2014
<ul style="list-style-type: none"> • Shadowed OBGYN at Multicare Hospital and clinic focused on serving low-income, minority women • Observed gynecological/obstetric surgeries, observed clinical work and deliveries 	

Research Coordinator Experience

Collaborated with principal investigators and other study team members in the execution of studies and clinical trials. Assisted with protocol evaluations, IRB submissions, determining data-collection feasibility, patient screening and enrollment, data collection, blood draws, specimen processing, shipping and functioning as the liaison between principal investigators, sponsors, monitors and the IRB.

Lead Coordinator:

TREETOP: A multicenter assessment of a spontaneous Preterm birth risk predictor (ClinicalTrials.gov Identifier: NCT02787213)

Prospective Validation and Comparison of Subjective Assessment, The International Ovarian Tumor Analysis (IOTA) ADNEX Model, Logistic Regression Model LR2, Simple Rules and the Risk of Malignancy Index (RMI) for Discrimination Between Benign and Malignant Adnexal Masses in the Hands of Ultrasound Examiners with Different Levels of Experience (ClinicalTrials.gov Identifier: NCT02847832)

A Single-Blind, Multi-Centre, Randomised, Controlled, Non-Inferiority, Clinical Study to Assess the Safety and Performance of the Neurotech Vital Compact Device Compared to The Itouch Sure Pelvic Floor Exerciser for the Treatment of Stress Urinary Incontinence in Female Patients (ClinicalTrials.gov Identifier: NCT02423005)

Pilot Study of Early vs. Delayed Cord Clamping (Faculty/Resident Research)

Coordinator:

Factors that Motivate Women to Pursue Surgical Treatment of Ovarian Mass (Faculty/Resident Research)

Optimization of a Novel Point-of-Care Intrauterine Photoacoustic Ultrasound Imaging Probe Using Ex-Vivo Human Uteri (Faculty/Resident Research)

Identification of Endometrial Cancer Specific miRNA Biomarkers in Endometrial Fluid Collected Using Saline Infusion Sonohysterography Techniques (Faculty Research)

The Follow-up of Abnormal Pap Smear in Pregnancy: Identifying Characteristics of a High-Risk Population (Faculty/Resident Research)

Identify Predictive Biomarkers of Chemotherapy Toxicity and Response in Ovarian Cancer Patients (Faculty/Resident Research)

A Proof-Of-Concept Clinical Research Project for the Detection of Endometrial Cancer Specific (EC-Specific) Mirna Biomarker(S) Found in Endometrial Fluid Aspirates (Faculty Research)

Rate of Fetal Macrosomia and Large-for-Gestational-Age Infants among Gestational Diabetics: What's causing the Problem? (Faculty Research)

Health Literacy and Reproductive Life Plan: To Evaluate the Relationship between Health Literacy and Reproductive Health Outcomes among All Women Receiving Prenatal Care at MIHS (Faculty Research)

Psychosocial Impact of Infertility in Women in Phoenix, Arizona, USA (Resident Research)

Relationship of Social Support and Self-Esteem in Prima Gravida Women before and After Delivery (Resident Research)

A Comparison of the Characteristics of MIHS Patients with CIN1, CIN2, CIN3, and Cervical Cancer (Resident Research)

Health Challenges and Views on Female Genital Cutting: Perceptions of Men in a Somali Refugee Community (Resident Research)

Cervical Cancer Screening and an Assessment of Risk Factors and Prevalence of Cervical Dysplasia among Refugee Populations (Resident Research)

Analyzing Vaginal and Anorectal Microbiomes in Gynecologic Oncology Patients (Resident Research)

Preoperative Vaginal Preparation for Prevention of Post-Cesarean Endometritis (Resident Research)

Leadership and Service

Saint Mary's College Student Diversity Board

Executive Member and Chairperson

- *Publicity 2009, Executive Treasurer 2010*
- *Executive Vice President 2011:* Attended weekly meetings with student advisor and College president to discuss board events and responsibilities, led board in organizing events focused on raising awareness of diversity within the college community and led the Policies and Procedures Committee in revising board constitution and bylaws
- *Chairperson 2011-2012:* Chair of the 2012 Diverse Students' Leadership Conference

Notre Dame, IN

Aug 2009-Apr 2012

Saint Mary's College Student Representative <i>College Spokesperson</i>	Phoenix, AZ Aug 2011
<ul style="list-style-type: none"> Attended the Phoenix College symposium as a representative of SMC to recruit prospective students to the college by offering resources, information and one-on-one advice through speeches, lectures and workshops 	
Center for the Homeless/Hope Ministries <i>Adult Academic Tutor</i>	South Bend, IN Oct 2011-Mar 2012
<ul style="list-style-type: none"> Tutored homeless and poverty-stricken adults seeking resources and reintegration into society through education with GRE/GED preparation and paper editing and facilitated networking for scholarships and employment Encouraged adults to reconnect with their education after struggling with vices, poverty and homelessness 	
ENCUENTRO Immigration International Retreat Speaker <i>Speaker</i>	Nogales, Sonora, Mexico Oct 2007
<ul style="list-style-type: none"> Speaker at international retreat where Diocesan groups united to bring forth issues surrounding immigration Discussed issues about changes to economy, effect on family, statistics about death and factors leading people to migrate based on facts and my own personal experience 	

Memberships

American Conference of Governmental Industrial Hygienists (ACGIH) Member	2019-Present
Beta Beta Beta National Biological Honor Society	2011-Present
AGUILA Hispanic Youth Leadership Institute; ALUMNA 3rd Cohort-Phoenix, AZ	

Skills and Certifications

Maricopa Integrated Health System Medical Interpreter (Spanish Bilingual Assistant Program)	Phoenix, AZ Aug-Nov 2016
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Current Certifications:

CITI- Good Clinical Practice, Biomedical Research, Human Subjects Protection in Biomedical Research IATA- Handling, Packaging and Shipping Infectious Substances
BLS-Basic Life Support (CPR)
Blood-borne pathogens certification from the University of Notre Dame

Phlebotomy Trained

Computer Skills: Proficient in Microsoft Office, experience with R, SPSS, SAS, ArcGIS, eClinicalWorks, eClinicalOS and EPIC softwares

Languages: Fluent (verbal and literate) in English and Spanish

Grants and Awards

Honorary Distinction for Masters Capstone Thesis Defense.	July 2015
University of Notre Dame, College of Science-Dean's Award <i>Full-ride scholarship to complete Master's in Global Health degree</i>	May 2014
Steele Foundation-Saint John Vianney College Scholarship Award (\$50,000)	May 2008