

## JOSE REYES

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### CLINICAL TRAINING

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Cook County Health and Hospital Systems, Chicago IL

**Resident of Emergency Medicine**

**2020 – 2024**

### EDUCATION

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Johns Hopkins University School of Medicine, Baltimore MD

**Doctor of Medicine**

**May 2020**

Texas State University, San Marcos TX

**B.S. in Biochemistry**

**May 2016**

Minor: Writing

American Society for Biochemistry and Molecular Biology Certified Degree

American Chemical Society Certified Degree

GPA – 4.0

### ACADEMIC HONORS

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Dean's List

**August 2012 – May 2016**

Francis Rose Award – Undergraduate Research Award

**April 2013 – August 2014**

Most Outstanding Sophomore in the Department of Chemistry and Biochemistry

**August 2013 – May 2014**

Student Undergraduate Research Fund Grant Recipient

**January 2014 – May 2014**

Best Poster Presentation at the Undergraduate Research Conference

**May 2014**

Best Undergraduate Talk at the Texas State University Biology Colloquium

**May 2014**

Welch Fellowship Recipient

**June 2014 – August 2014**

Runner Up for Best Business Plan Proposal 2014 Chemie REU at Texas State University

**June 2014 – August 2014**

Turner Award Recipient

**August 2014**

Texas Space Grant Consortium Scholarship

**June 2014 – May 2015**

Key Parks Scholarship

**June 2014 – May 2015**

Texas State University H-LSAMP Scholar

**August 2014 – May 2016**

Best Poster at the Annual Biomedical Research Conference for Minority Students

**November 2014**

Student Undergraduate Research Fund Grant Recipient

**February 2015 – May 2015**

Texas State Representative for the Undergraduate Research Day at the Capitol

**March 2015**

Most Outstanding Junior in Biochemistry

**March 2015**

Maribel Muir Endowed Science Scholarship

**August 2015 – May 2016**

ASBMB Distinguished Undergraduate Scholarship

**August 2015 – May 2016**

Hispanic Scholarship Fund Scholar

**August 2015 – May 2017**

National Hispanic Health Foundation Scholar

**January 2017 – June 2020**

Highland Visiting Elective Scholarship

**July 2019**

Denver Health Emergency Medicine Visiting Elective Scholarship Program Recipient

**August 2019**

Johns Hopkins Health System David E. Rogers Award

**May 2020**

Society for Academic Emergency Medicine Graduating Medical Student Award

**May 2020**

EMRA LAC Travel Scholarship

**August 2022**

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**EMPLOYMENT EXPERIENCE**

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- Texas State University Department of Biology, San Marcos TX  
**NSF Minority Undergraduate Research Assistant** **March 2013 – May 2015**  
Research focused on the study of hormones in relation to courtship behaviors
- Texas State University Department of Chemistry and Biochemistry, San Marcos TX  
**Biochemistry Undergraduate Research Assistant** **June 2014 – May 2015**  
Research focused on the study of proteins in artificially transformed yeast and in cultures of live mammalian cells
- Texas State University, San Marcos TX  
**Undergraduate Teaching Assistant** **May 2015 – May 2016**  
Assisting in preparing and heading upper division biochemistry teaching laboratories
- Johns Hopkins University School of Medicine, Baltimore MD  
**Summer Intern** **May 2015 – August 2015**  
Research focused on establishing the mechanism by which acute respiratory distress syndrome occurs and potential therapeutic treatments
- Xiphophorus Genetic Stock Center, San Marcos TX  
**Research Technician** **May 2016 – August 2016**  
Research focused on establishing the relationship between circadian rhythm disruption and cancer induction using a melanoma model organism
- Johns Hopkins University School of Medicine, Baltimore MD  
**Research Assistant** **May 2017 – August 2020**  
Clinical research related to prehospital care for pediatric patients

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**PUBLICATIONS**

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- Suresh, K., Servinsky, L., **Reyes, J.**, Baksh, S., Undem, C., Caterina, M., Pearse, D.B., Shimoda, L. Hydrogen peroxide-induced calcium influx in lung microvascular endothelial cells involves TRPV4. *American Journal of Physiology Lung Cellular and Molecular Physiology*. 309 (12): L1467-L1477. 2015
- Suresh, K., Servinsky, L., **Reyes, J.**, Undem, C., Zaldumbide, J., Rentsendorj, O., Modekurty, S., Dodd-o, J.M., Scott, A., Pearse, D.B., Shimoda, L. CD36 mediates H2O2-induced calcium influx in lung microvascular endothelial cells. *American Journal of Physiology Lung Cellular and Molecular Physiology*. 312 (1): L143-L153. 2017
- Lu, Y., **Reyes, J.**, Walter, S., Gonzalez, T., Medrano, G., Boswell, M., Boswell, W., Savage, M., Walter, R. Characterization of Basal Gene Expression Trends Over a Diurnal Cycle in *Xiphophorus maculatus* Skin, Brain and Liver. *Comparative Biochemistry and Physiology Part C Toxicology & Pharmacology*. 208: 2-11. 2018
- Kelly, J.R., Levy, M.J., **Reyes, J.**, Anders J. Effectiveness of the combat application tourniquet for arterial occlusion in young children. *Journal of Trauma and Acute Care Surgery*. 88 (5): 644-647. 2020
- Reyes, J.**, Ogele, E., Clapp, W.D. Atypical clinical presentation of inflammatory marker negative septic arthritis, osteomyelitis, and bacteremia following a single dose of tocilizumab in the treatment of COVID-19: a case report. *Journal of Emergency and Critical Care Medicine*. 6. 2022

## PRESENTATIONS

**Reyes, J.,** Kim, Y., and C.R. Gabor. Is the total, conjugated or free portion of 11 ketotestosterone associated with male sailfin molly mating behavior. Poster session presented at the annual meeting of the Animal Behavior Society, Princeton, NJ. 2014

**Reyes, J.,** and R. Booth. Epithelial Sodium Channel Subunit Interaction Analysis Using Survival Dilution Growth Assays. Poster session presented at the annual meeting at the Undergraduate Research Conference, San Marcos, TX. 2015

**Reyes, J.,** Suresh, K., Servinsky, L., Pearse, D.B., and L. Shimoda. Role of TRPV4 in Reactive Oxygen Species Induced Calcium Influx in Human Lung Microvascular Endothelial Cells. Poster session presented at the annual SIP Conference at the Johns Hopkins School of Medicine, Baltimore, MD. 2015

Suresh, K., Servinsky, L., **Reyes, J.,** Shimoda, L., and D.B. Pearse. Reactive oxygen species induced Ca<sup>2+</sup> influx via TRPV4 promotes endothelial migration and proliferation in Pulmonary Arterial Hypertension. Poster session presented at the annual meeting of the Grover Conference – American Thoracic Society. 2015

**Reyes, J.,** Suresh, K., Servinsky, L., Pearse, D.B., and L. Shimoda. Role of TRPV4 in Reactive Oxygen Species Induced Calcium Influx in Human Lung Microvascular Endothelial Cells. Oral session presented at the annual meeting of the American Physiological Society Conference at Experimental Biology, San Diego, CA.

**Reyes, J.,** Walter, S., Gonzalez, T., Medrano, G., Boswell, M., Boswell, W., Savage, M., and R.B. Walter. Circadian Oscillation of Gene Expression in *Xiphophorus maculatus* Skin, Brain and Liver. Poster session at the annual meeting of the Aquatic Animal Models of Human Disease Conference, Birmingham, AL. 2017

Kelly, J., Badaki-Makun, O., **Reyes, J.,** and J. Anders. Preshospital Recommendations for Pediatric Pelvis Stabilizing Device Fit. Poster session at the annual meeting of the Pediatric Academic Societies Meeting, Toronto, ON, Canada. 2018

**Reyes, J.,** Carroll, K.C., Saheed, M., and R.E. Rothman. Symptomatology and Clinical Demographics of Patients Presenting with Oral Non-Group A Streptococcus. Poster session presented at the annual meeting of the Society for Academic Emergency Medicine, Indianapolis, IN. 2018

**Reyes, J.,** Levy, M., Kelly, J., and J. Anders. Minimum Effective Limb Circumference for the Combat Applications Tourniquet. Oral session presented at the annual meeting of the Northeast Region Society for Academic Emergency Medicine. Washington, D.C. 2019

Kelly, J., **Reyes, J.,** Levy, M., and J. Anders. Combat Application Tourniquet Efficacy in Children. Poster session at the annual meeting of the European Emergency Medical Services Conference, Madrid, Spain. 2019

**Reyes, J.** POCUS: Splenic Rupture. Cook County Emergency Medicine Didactics Conference, Chicago, IL. 2021

**Reyes, J.** Resident Panelist at the Latino Medical Student Association Midwest Regional Conference, Chicago, IL. 2022

**Reyes, J.** The ED Evidenced-Based History and Physical. Cook County Emergency Medicine Rotating Medical Student Lecture Series, Chicago, IL. 2022

## PROFESSIONAL APPOINTMENTS

Johns Hopkins University SOURCE Student Governing Board - Member **2016 – 2020**

Catholic Medical Student Association - President **2017 – 2018**

Emergency Medicine Interest Group - President	<b>2017 – 2018</b>
Latino Medical Student Association - Co-President	<b>2017 – 2018</b>
Nathans College - Academic Chair	<b>2017 – 2018</b>
Latino Medical Student Association Northeast Region - Fundraising Chair	<b>2018 – 2019</b>
National Latino Medical Student Association - Fundraising Liaison	<b>2019 – 2020</b>
House Staff Association of John H. Stroger, Jr. Hospital - Secretary	<b>2020 – 2021</b>
House Staff Association of John H. Stroger, Jr. Hospital - Vice President	<b>2020 – 2021</b>
Initiative on QI for Survivors of Sexual Assault at Cook County Hospital - Founder	<b>2022 – Current</b>
ACEP State Legislative and Regulatory Committee Appointee	<b>2022 – Current</b>

#### VOLUNTEER EXPERIENCE

Houston-Louis Stokes Alliance for Minority Participation (H-LSAMP) Scholars Program: 128 hours – Science tutoring for university peers	<b>August 2014 – May 2016</b>
Bridges to Biomedicine Program: 24 hours – Took part in daylong events describing to minority community college students the benefits of continuing a career in biomedicine	<b>Dec 2014</b>
Biochemistry Society: 24 Hours – Science outreach for local elementary school students to promote interest in science	<b>January 2015 – May 2016</b>
Student National Medical Association: 54 Hours – Directed a weekly luncheon whose purpose was to recruit underrepresented minorities to Johns Hopkins Medicine	<b>July 2016 – May 2017</b>
Charm City Care Connection: 160 Hours – Served as a case manager working with low-income residents looking for access to affordable healthcare	<b>March 2016 – May 2017</b>
Baltimore Medical System: 80 Hours – Fetal Infant Mortality Review member working to implement a Latina grief program for mothers faced with infant loss	<b>August 2016 – May 2020</b>
Latino Leaders in Training: 50 Hours – Mentorship of Latino undergraduate students in Baltimore City interested in pursuing a career in medicine	<b>August 2017 – May 2020</b>
Cook County Book Club: 20 Hours – Founder and organizer	<b>July 2020 – Current</b>
Cook County Emergency Medicine Diversity and Inclusion Committee: 40 Hours – Assisting in the recruitment of minority applicants through outreach and event planning	<b>July 2020 – Current</b>