

# 2020 LSMRCE Annual Conference

*Broadening Participation in STEM:  
Pivot, Adapt, Thrive*

**A virtual event**  
November 6-7, 2020

# Conference Snapshot and Proceedings

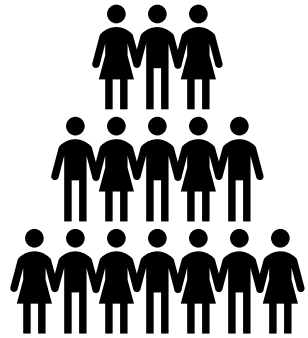


 **#LSMRCE2020 @LSMRCE**

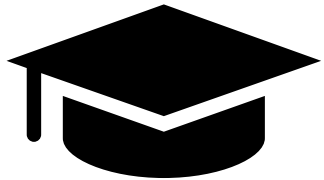


Louis Stokes Midwest Regional Center of Excellence is supported by National Science Foundation award numbers HRD-1826626 (IUPUI) and HRD-1826719 (CSU)(2018-2023)

# 2020 Conference Attendee Snapshot

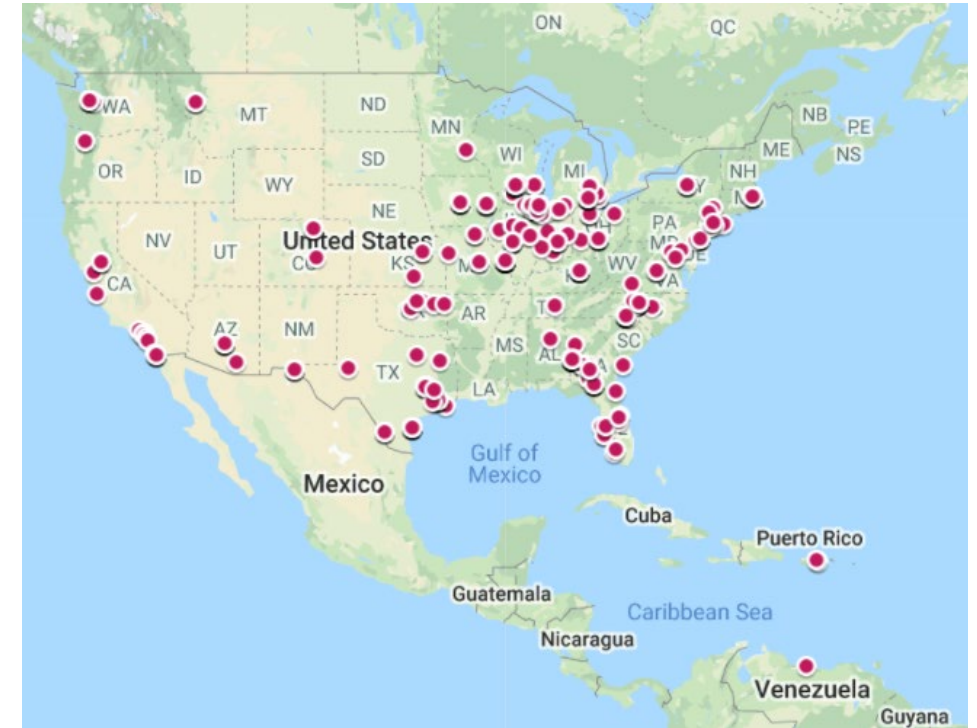


**498** Attendees  
**152** Institutions of higher learning  
**39** Louis Stokes Alliances (LSAMPs)



**289** Students  
**92** Poster Presenters

## Where Participants Are From



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# Engagement

- Connecting virtually
- Sharing knowledge
- Learning together
- Growing our network



# whova app LEADERBOARD

## LEADERBOARD TOP 10

FINAL RANKING

POINTS

b'1'  




**Valerie Salazar Casas**  
NC STEM Alliance Fellow  
Central Piedmont Community College

b'197900'

b'2'



**Johniqua Williams**  
LSAMP Program Coordinator, Southwest Georgia ...  
Columbus State University

b'182900'

b'3'



**Kendra Campbell**  
Scholar  
Forsyth Technical Community College

b'143400'

## PHOTO CONTEST PARTICIPANTS

WINNERS!

38

Christine Faunce



# whova app COMMUNITY HIGHLIGHTS

DISCUSSION TOPICS POSTED

117

COMMUNITY BOARD TOTAL MESSAGES

1667

BREAK-THE-ICE MESSAGES

91

JOB POSTING MESSAGES

11

ARTICLE SHARED MESSAGES

24



**STEM education and  
workforce research  
and development at  
NSF: Pivoting, adapting  
and thriving**

Keynote Presentation, November 6, 2020

**Karen Marrongelle, Ph.D.**

Assistant Director, Directorate for Education and Human  
Resources, National Science Foundation (NSF)



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## **My Journey: Taking Risks and Overcoming Challenges to Reach a Fulfilling Life**

Keynote Presentation, November 7, 2020

**Giselle Sandi, Ph.D.**

Deputy Division Director, Argonne National Laboratory



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# Recorded Sessions Available Online

The LSMRCE Conference recorded sessions are available on the conference Portal using this link and logon credentials:

Link: [https://whova.com/portal/webapp/lsmrc\\_202011/](https://whova.com/portal/webapp/lsmrc_202011/)

Username: contact@lsmrce.org

Password: LSMRCE20



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# Conference Portal of Recorded Sessions

The LSMRCE Conference recorded sessions are available on the conference Portal using this link and logon credentials:

Link: [https://whova.com/portal/webapp/lsmrc\\_202011/](https://whova.com/portal/webapp/lsmrc_202011/)  
Username: contact@lsmrce.org  
Password: LSMRCE20

Use the agenda to browse the sessions. Click on the session title and the recorded meeting, Q&A, and chat are available to view. You can also continue to add to the Q&A and chat, as well as reach out to speakers via their profile page!

The screenshot displays the Whova conference portal for the 2020 LSMRCE Virtual Conference, held from November 6-7, 2020. The interface is divided into several sections:

- Header:** Features the Whova logo, a navigation link for "Organizing your own event?", and the user name "Deb Cole".
- Main Title:** "2020 LSMRCE Virtual Conference" with the dates "Nov 6 - 7, 2020".
- Main Navigation:** A sidebar on the left with options: Home, Agenda (highlighted with a red circle), Attendees, Community, Messages (4), Resources, Session Q&A, Video Gallery, Documents, and Polls.
- Agenda View:** The "Full Agenda" tab is selected, showing a calendar for Friday, Nov 6, and Saturday, Nov 7. A session titled "Remote Undergraduate Research: Developing a Community of Learners in the Time of Corona" is highlighted with a red circle. It is scheduled for 2:00 PM - 2:45 PM, marked as "Stream has ended", and lists speakers Paul Faronbi and Benjamin Flores.
- Session Details:** A large card for the "2020 LSMRCE Annual Conference" is displayed, featuring the theme "Broadening Participation in STEM: Pivot, Adapt, Thrive" and the event dates "November 6-7, 2020". Below this, a video player shows a recording of Benjamin C. Flores, with a play button and a progress bar (00:00) highlighted by a red circle. The video title is "Remote Undergraduate Research: Developing a Community of Learners in the Time of Corona".
- Q&A Section:** On the right, the "Q&A" tab is active, showing a question from Ariana Cruz Harris: "How to stand out in an application process for research internships, especially if one does not have prior experience? Thank you!". It has 1 vote and 0 replies. Below the question are three toggle switches for "Pin question to top", "Hide question from audience", and "Mark as answered".

# Poster Session

The LSMRCE Conference virtual poster presentations are available on the Symposium Portal using this link and logon credentials:

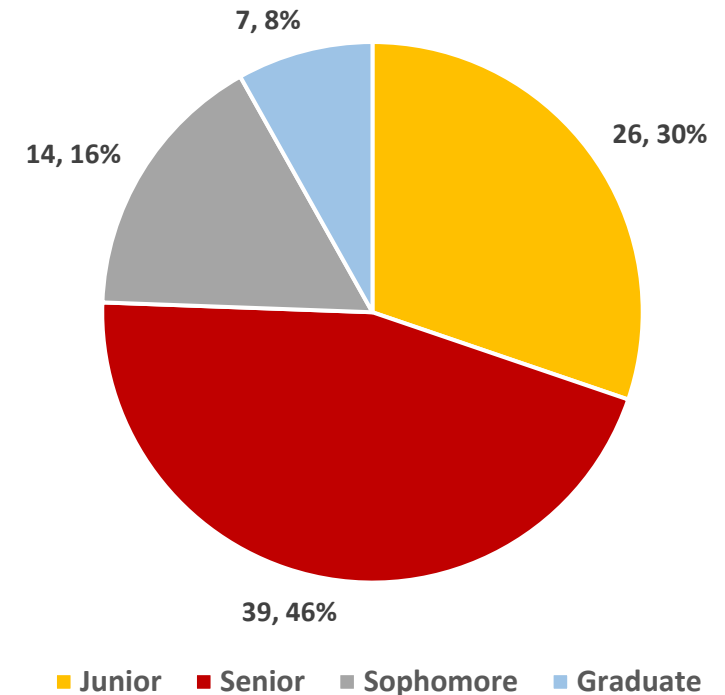
Link: <https://symposium.foragerone.com/lsmrce2020/presentations>

Username: [contact@lsmrce.org](mailto:contact@lsmrce.org)

Password: Lsmrce2020

[Download the Poster Session Booklet](#)

Poster Distribution by Year



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## 2020 Awards

 **#LSMRCE2020 @LSMRCE**



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**Tony Quinn Inclusive Excellence  
2020 Award Winner**

**Luis Cedeño-Rosario**



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# 3<sup>rd</sup> Place Undergraduate Poster Winner

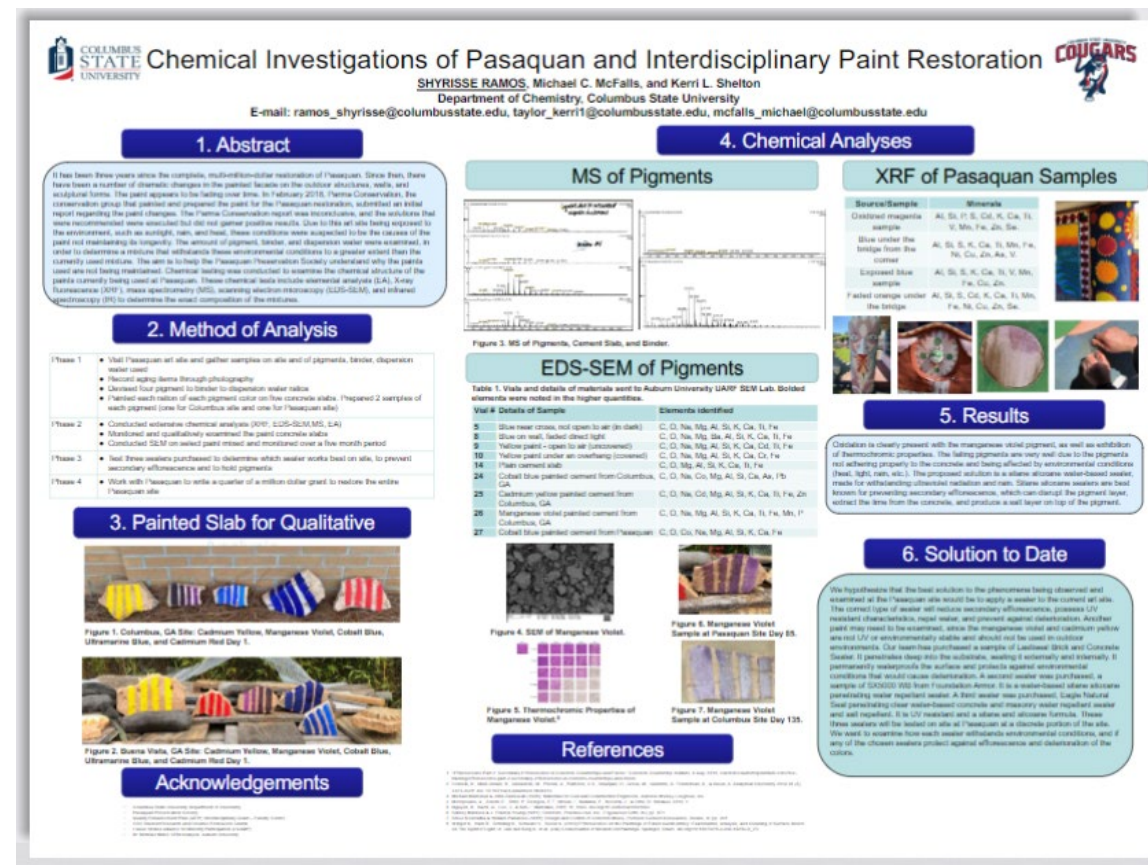
## Chemical Investigations of Pasaquan and Interdisciplinary Paint Restoration

Shyrisse Ramos

Senior, Chemical Sciences

Columbus State University

Southwest Georgia LSAMP



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# 2<sup>nd</sup> Place Undergraduate Poster Winner

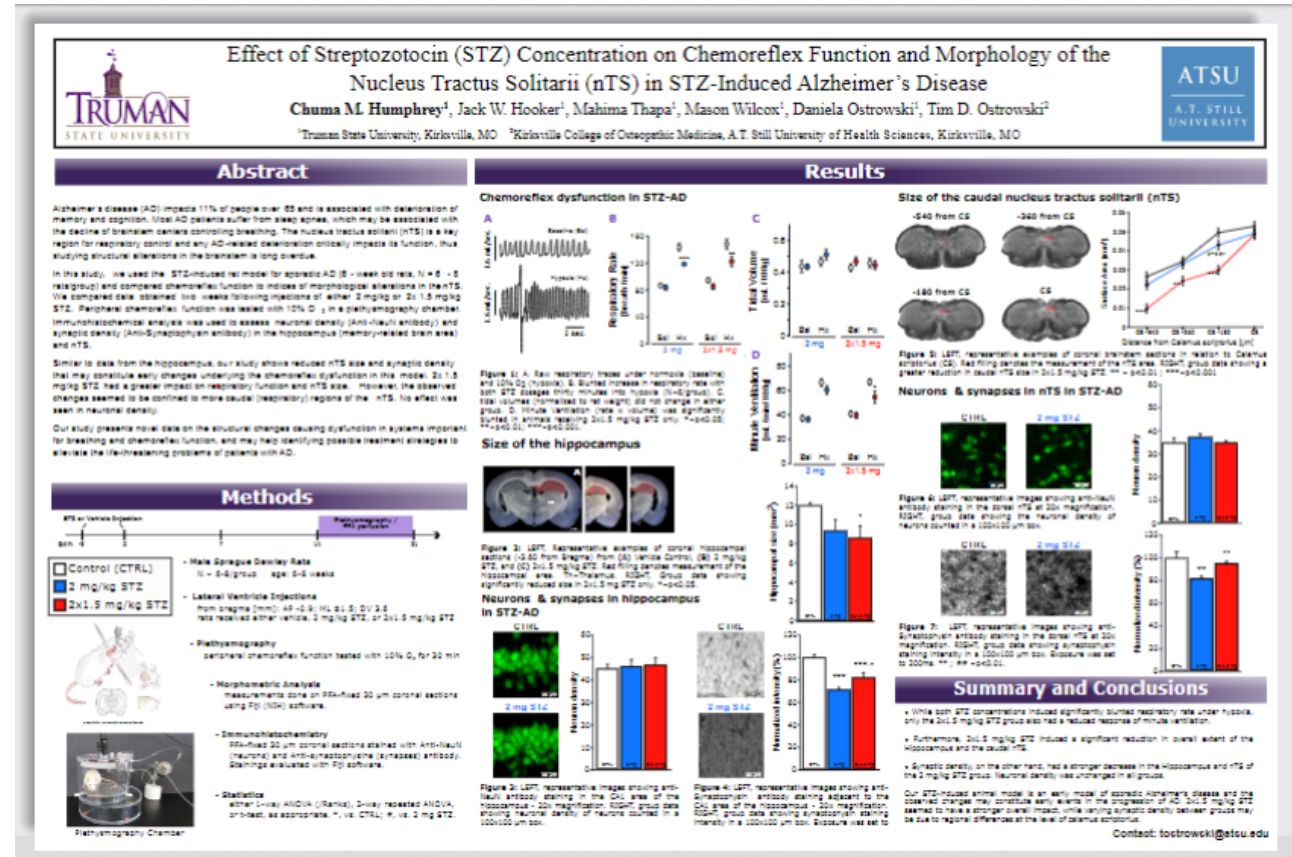
## Effect of STZ Concentration on Chemoreflex Function and the nTS in STZ-Induced Morphology of AD

**Chuma M. Humphrey**

Senior, Biological Sciences

Truman University

MoLSAMP Scholar



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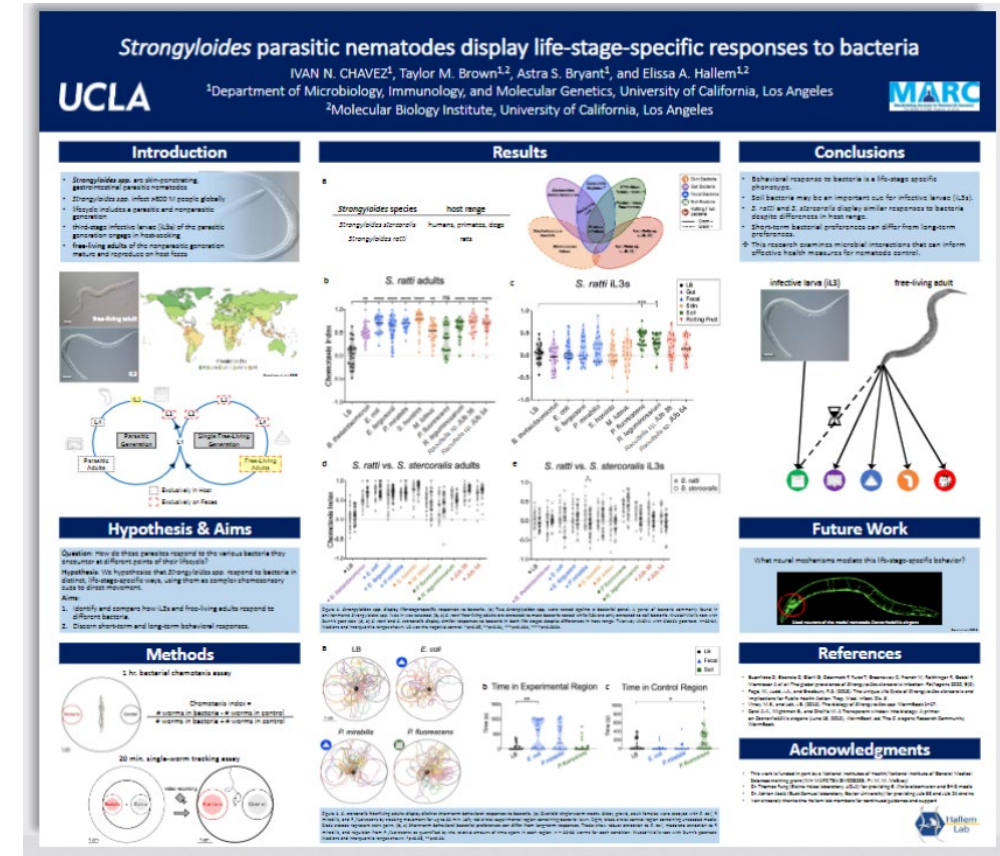
# 1<sup>st</sup> Place Undergraduate Poster Winner

## *Strongyloides* Parasitic Nematodes Display Life-stage-specific Responses to Bacteria

Ivan Chavez

Senior, Biological Sciences

UCLA



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# Top Graduate Poster

## Electron Dynamics of Neutral Transition Metal Oxide Clusters using Femtosecond Pump Probe Spectroscopy

**Jacob Garcia**

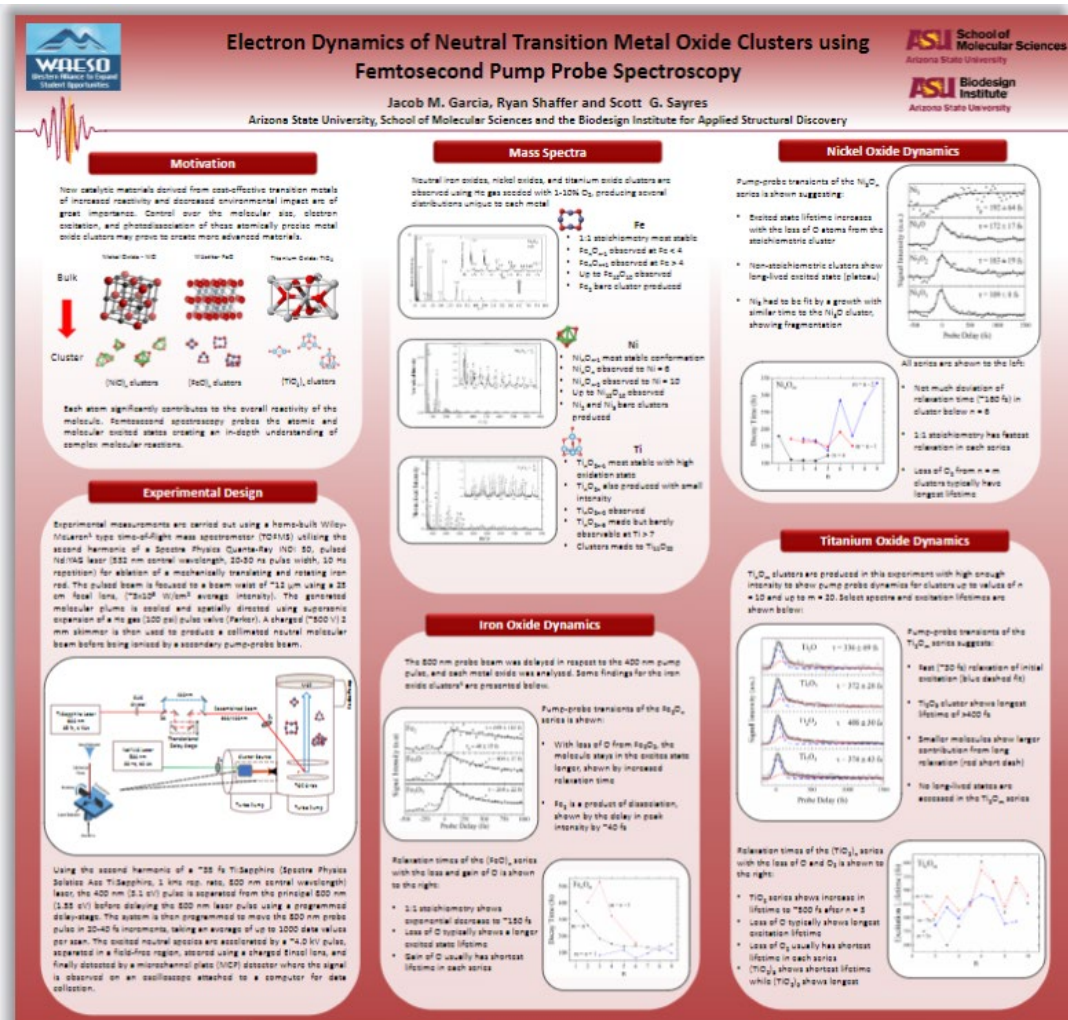
Ph.D. Candidate, Chemistry

Arizona State University

Post-Bridge to Doctorate, WAESO LSAMP



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# People's Choice Poster Winner

# *Bioinspired Horse Hoof Models for Impact Resistant Materials*

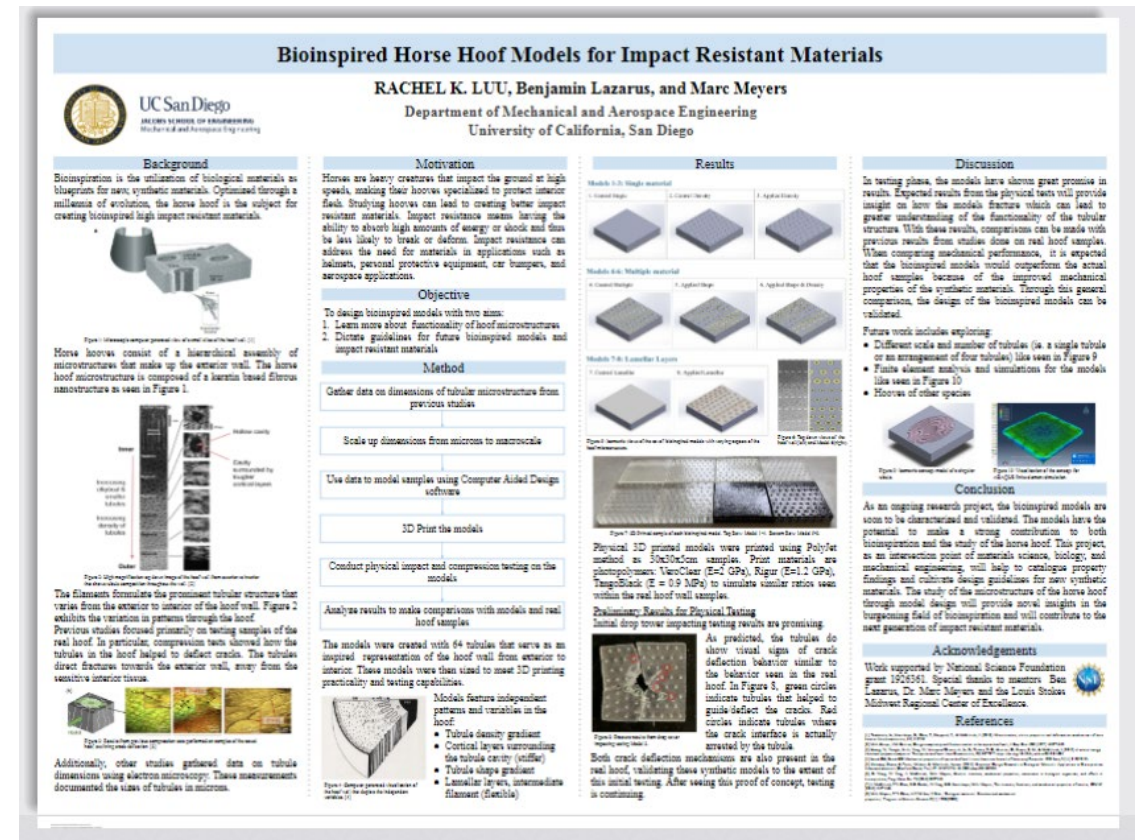
# Rachel Luu

## Junior, Biological and Engineering Sciences

UCSD



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# Top Bridge to the Doctorate Oral Presenter

## *Water Interface Unsteadiness and Vortex Shedding in Wind-Driven Droplet Wakes*

**Roger Simon**

PhD Student, Aerospace Engineering

Texas A&M University - College Station

TAMUS BD Fellow



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# THANK YOU

Keynotes

Session Speakers

Panelists

Moderators

Mentors

Poster Judges

2020 Conference Planning Committee



#LSMRCE2020 @LSMRCE



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