



"TCU Jeopardy Night" Changing the Narrative of Contributions by Underrepresented Groups in STEM

Zachary Rouseau, Chie Nguyen, Precious Castillo, Tatum Harvey, Lola Kouretas, Jack Bonnell, Christina Mantsorov, Kiet Nguyen, Grace Bobo, Audrey Dolt

Faculty: Drs. Julie Fry, Heidi Conrad, Kayla N. Green, Texas Christian University

Abstract

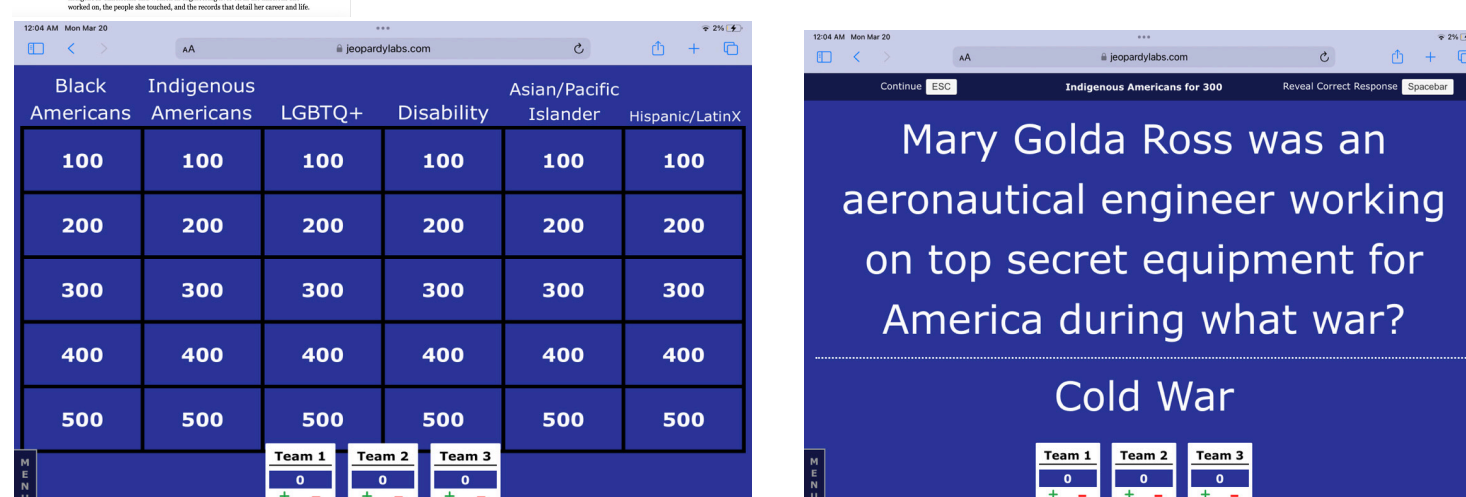
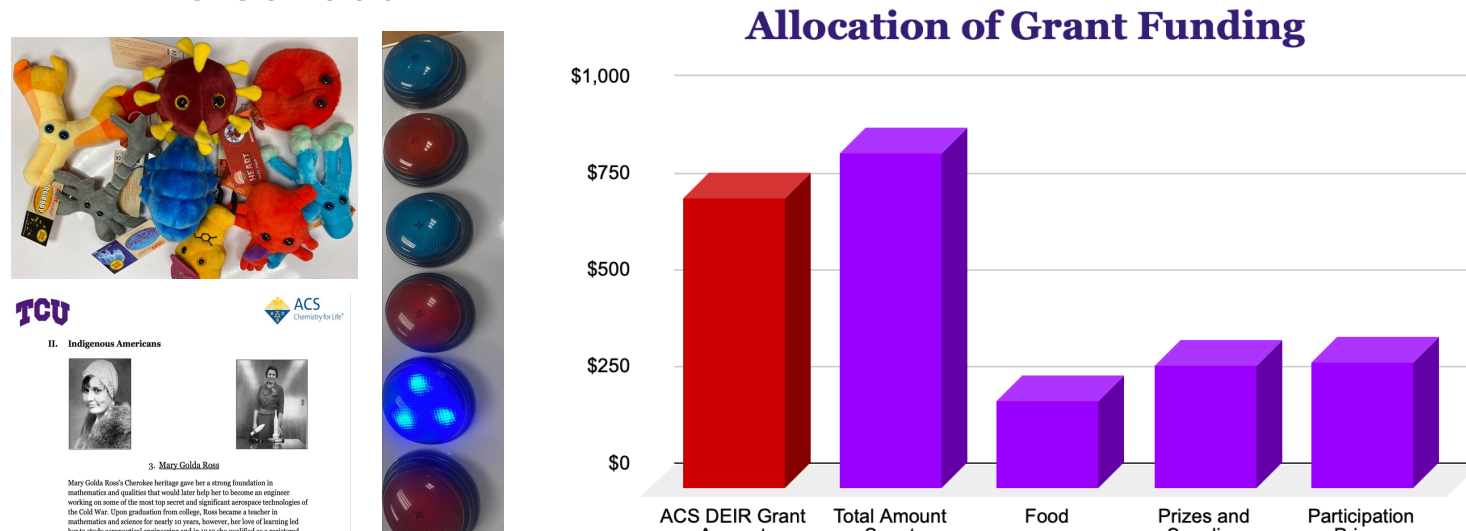
Throughout history, it has been perceived that significant advancements in STEM have been a result of primarily white males' accomplishments. To help correct this misconception on our campus, TCU Chemistry Club has initiated "TCU Jeopardy Game Night". This is an initiative where students, staff, and organizations in STEM throughout the year get exposed to and educated on the accomplishments in history of diverse groups underrepresented in STEM with an emphasis in chemistry through an engaging and interactive mechanism.

This spring term, our organization will host a jeopardy style game night with trivia questions over the material presented and prizes purchased with the ACS DEIR Grant. This material serves as an incentive toward the ultimate goal of educating our campus population regarding diversity, equity, inclusion, and respect for scientists who have not been acknowledged for their exceptional work.

Event Planning

Funds from the ACS DEIR were used towards:

- Game equipment (board & buzzers)
- Prizes for participants and winners
- Diverse food



Jeopardy Online Platform

Recruitment

Students were encouraged to participate by:

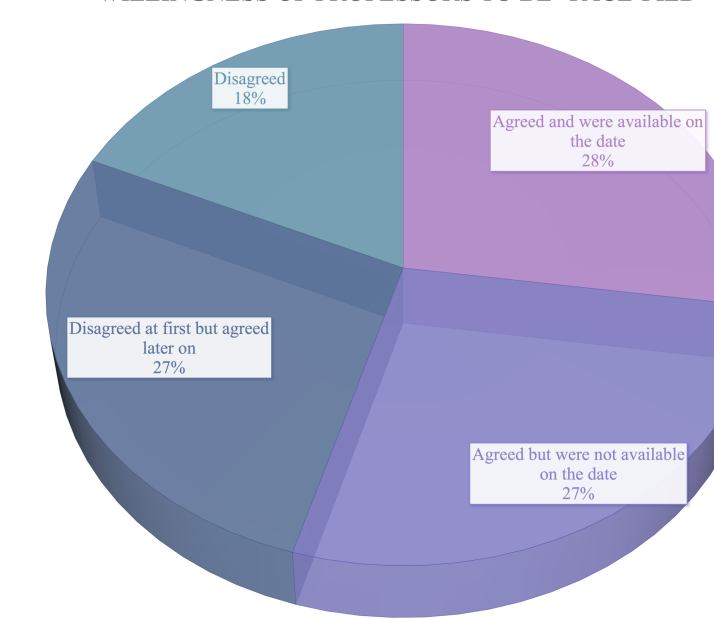
- Advertising the event during Chemistry Club meetings
- Offering an incentive of getting extra credit in General Chemistry lab course
- Distributing flyers with a QR code linked to the Eventbrite sign-up

Professors were recruited by:

- Going into their offices to explain the event's goal
- Informing them that the first-place prize was to pie-face professors and then asking if they were willing to partake



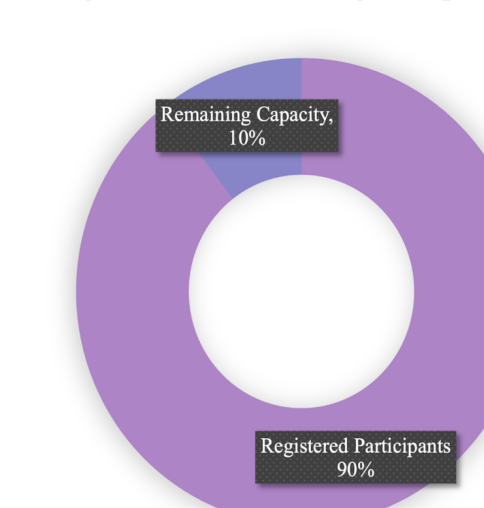
WILLINGNESS OF PROFESSORS TO BE "FACE-PIED"



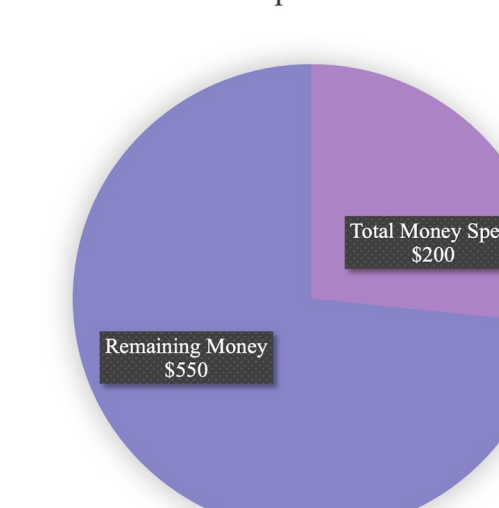
Challenges Faced

- Immediate influx of signup on Eventbrite
- Tornado Warning on March 02, 2023
- ACS happens before the re-scheduled date

Percentage of Students who Signed Up for the Event



Total Amount Spent from the Budget



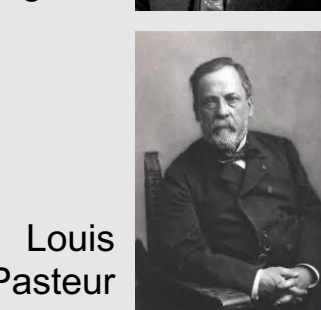
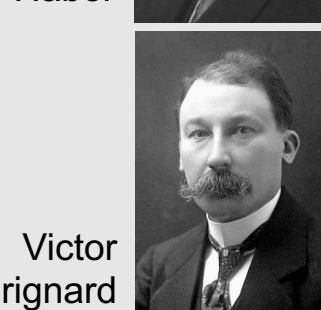
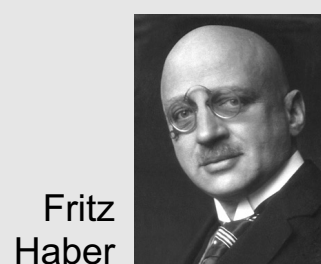
Ending Misconceptions

Goal: Educate our campus population on the accomplishments of underrepresented groups in STEM and end the misconception that the majority of all chemistry accomplishments are from a single group in society.

- Partners:
- TCU Pre-health
 - TCU PA Club
 - TCU Minority Association of Premedical Students

"Beliefs of students now create the reality of the future in science."

Common perception of a "respected" chemist



We aim to spread awareness about inequities and inequalities in STEM, specifically in the field of chemistry

Other Deserving Groups



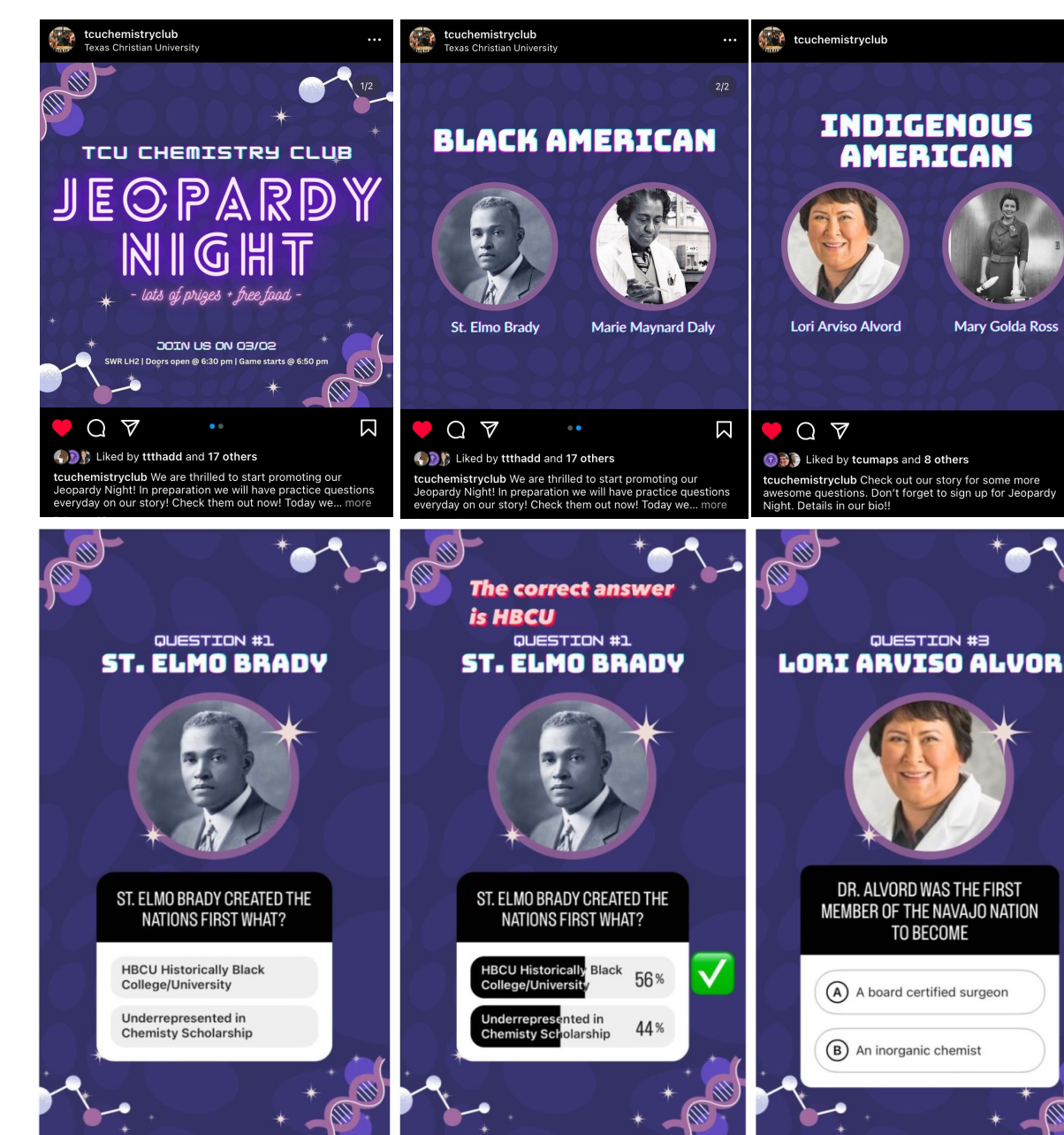
Included Scientists

- Focus: Six historically underrepresented groups, while incorporating women, a historically marginalized group in STEM, throughout



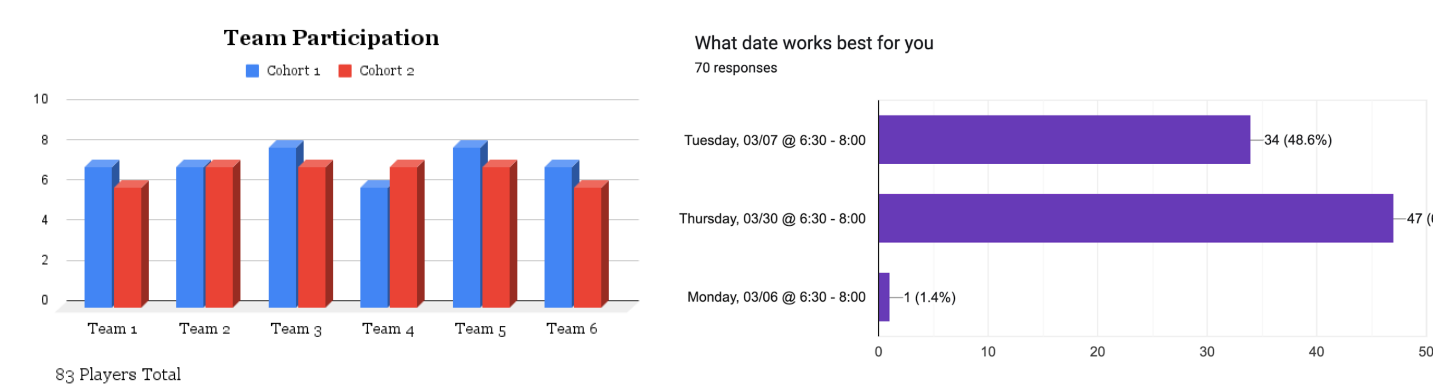
Social Media

- DEI Scientist trivia, Q&A, and event details were posted on Chemistry Club's Instagram page:



Resolutions

- Spectator audience tickets, increased team size, and adapt new rules (Free agent ticket)
 - Mass emails & social media to inform and re-schedule
 - Event is rescheduled following the ACS conference
- Maximize participation and achieve our goal of spreading awareness about the inequities in STEM.



Acknowledgements

- ACS DEIR Grant
- TCU Department of Chemistry & Biochemistry funding
- TCU Chemistry & Biochemistry Professors for their willingness to participate
- TCU Pre-Health DEI, TCU Minority Association of Premedical Students, & TCU PA Club for their partnership and involvement in execution and engagement

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