

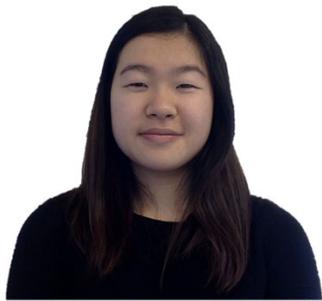
Graduate Student Seminar Series

UC DAVIS
FOOD SCIENCE AND TECHNOLOGY

12:10 PM, Monday [5/15], 2023

1207 RMI South or attend remotely by Zoom:

<https://ucdavis.zoom.us/j/96794994623>



Structuring and characterizing oleofoams

Rachel Wang

First Year M.S. Student
Gravelle lab

Rachel obtained her Bachelor's degree in Food Science and Technology from Cornell University in 2019. She then went on to work at Raybern Foods for three years where she worked on product development, food safety, and food regulation for frozen sandwich products before coming to UC Davis to pursue a Master's in Food Science. She is currently a first-year Master's student in Dr. Gravelle's lab working on stabilizing and characterizing oleofoams.

SUMMARY: Current research and product development have focused mainly on aqueous based foams, but oleofoams have become increasingly relevant in the past few years as they offer enormous potential for many different applications from food to cosmetics. This research focuses on characterizing relevant oleofoams and also investigates different possible structuring agents that may be used to create and stabilize oleofoams.



Implementation of Blockchain in the food supply chain

Mariana Larrañaga Tapia

First Year M.S. Student

Mariana obtained her Bachelor's degree in Chemistry and Nanotechnology Engineering from Tecnológico de Monterrey, Campus Monterrey in 2021. Before coming to UC Davis to pursue a Master's in Food Science, she worked in her home country of Mexico in an innovation consulting firm where she specialized in finding trends for specific technologies through patents and papers. Her research interests include upcycling and how blockchain could help to scale this process in the fresh produce industry.

SUMMARY: Blockchain is a system that has been used in the financial sector for years. Due to the characteristics of the system, different industries are adapting it for use in their operations. One of the characteristics that make it suitable for implementation in the supply chain is its ability to perform sustainable traceability. This research focuses on exploring how implementing blockchain could contribute to creating sustainable and safe food systems.