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Arizona Western College
Agricultural Sciences Department

The University of Arizona
College of Agriculture and Life Sciences

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Agricultural Science
Career & Technical Education



SOUTHWEST AG SUMMIT

2019

STUDENT PROGRAM

February 20, 2019

Arizona Western College
Yuma, Arizona



SOUTHWEST AG SUMMIT

Description of Student Sessions

A. Fun with Fermentation

AS 206

Ashlee Linares-Gaffer, MS, RDN, *Assistant Professor of Practice / ISPP Dietetic Internship Coordinator, UA*

In this hands-on session, participants will learn how microorganisms work to convert foods into new items with different flavors, textures, smells and appearances. Fermented food contain a naturally occurring nutrient profile as well as billions of beneficial microorganisms responsible for gut health.

B. Food Safety as An Exciting New Career Choice

AS 207

Dr. Margarethe Cooper, *Assistant Professor of Practice, Victor P. Smith Endowed Chair in Food Safety Education, UA*

The globalization in our food supply introduces new challenges and risk regarding food safety. This session explores how foodborne illness outbreaks have devastating effects on public health, resulting in chronic illness and death and will explore Food Safety as a career choice and the role that Food Safety experts play in reducing food risks.

C. Agriculture Technology & Engineering

AS Outside Area by Tortoise Enclosure

Rosa Bevington, *Media Specialist, UA*

Bridget Johanning, *Drone Specialist, Bureau of Reclamation*

Ms. Bevington is with the Yuma Center of Excellence for Desert Agriculture (YCEDA) has been working as their drone operator for four years and will explore drone use in agriculture. Ms. Johanning has a Professional Certificate focused in Professional Program in Small Unmanned Aircraft Systems (sUAS) from Embry-Riddle Aeronautical University.

D. Agriculture Technology & Engineering

AS Outside Area by Tortoise Enclosure

Dr. Ed Franklin, *Assoc. Prof of Agricultural Education, Dept. of Ag Ed, UA*

Dr. Franklin instructs Ag Tech Management courses, develops solar-related projects to enhance student learning in STEM and conducts outreach activities for students and teachers to learn about solar applications for agriculture. You will learn how to set up a solar-powered water pumping system and measure power output of a solar module.

E. "Buggy Hands"

AS 209

Dr. Gerardo Lopez, *Asst. Prof/Ext. Specialist 4-HSTEM Youth Development, School of Animal & Comparative Biomedical Sciences, UA*

Dr. Lopez will demonstrate some of his current research techniques which focus on food safety, water quality, and transmission of pathogens in indoor environments. You will learn how the detection of viruses and bacteria in environmental water samples and food products is critical to reducing the risk to humans from contact with food and contaminated water.

F. Trade Show

3C Schoening Conference Center

Visit the USDA, AWC, and UA booths to discover educational and career pathways. Walk through the industry tradeshow booths, find two adults, and complete the questionnaire. Be respectful and don't interrupt adults while they are talking. Make sure to put your questionnaire in the box for an opportunity to win raffle prizes.

Schedule

7:00 - 8:00am Students Arrive at Field Demonstrations

Agricultural Sciences Land Lab

Buses will drop off students in the Ag Land Lab – South East (P2) parking lot

9:00 –9:30am Opening Session

3C Schoening Conference Center

- **Greetings** Arizona Western College – **Leigh Loughead**
University of Arizona & UA College of Ag & Life Sciences – **Joel Hauff & Tanya Hodges**
UA New Graduate – **Nelly Rabago** – She is a native of Yuma, AZ. She graduated from Cibola High School, Arizona Western College with an A.S. in Agriculture Science, and The University of Arizona with a Bachelor's Degree in Agriculture Technology Management with minors in Microbiology and Plant Science. Since graduating UofA in 2017, she has been a Lead Research Technician at the University of Arizona Yuma Ag Center.
- **Keynote Speaker** **Blaine Morris**
He is a Yuma native and graduate of Yuma High School. He graduated from Arizona Western College and the University of Arizona-Yuma with a degree in Agriculture Technology & Management. For the past 17 years he has worked for Pasquinelli Produce and is currently their Farm Manager. He has worked in all aspects of production agriculture locally including harvest and food safety.

9:40 am–12:05 pm Student Breakout Sessions

Ag & Science Building (AS)

Group	9:40–10:00am	10:05–10:25am	10:30–10:50am	10:55–11:15am	11:20–11:40am	11:45am–12:05pm
1	A	B	C	D	E	F
2	F	A	B	C	D	E
3	E	F	A	B	C	D
4	D	E	F	A	B	C
5	C	D	E	F	A	B
6	B	C	D	E	F	A

12:10–1:20 pm

3C Schoening Conference Center

Lunch Keynote Speaker

Dr. Emre Tokar

He founded and successfully exited three biomedical start-up companies in the field of medical x-ray imaging. He has taught innovation and entrepreneurship to a broad range of students and faculty, including students of science, engineering, medicine, social sciences and the liberal arts. He is currently the CEO of Tetra Imaging in addition to his research and administrative roles at Washington University in St. Louis and at the University of Arizona in Tucson.

- USDA/APHIS Ag Discovery Camp, **Kailey Faulkner & Taylor McNeece**– Past Attendees
- SaferFoodCats: High School Summer Bootcamp – **Dr. Margarethe Copper**
- Evaluation

1:30 pm High School Students Load Buses and Return to School