

UC DAVIS
FOOD SCIENCE AND TECHNOLOGY



Northern California Institute of Food Technologists
& UC Davis Food Tech Club

UC Davis Food Science and Technology Awards Ceremony

GUEST SPEAKER:

Ryan Dowdy, Ph.D.,
NASA

DATE & LOCATION:

Tuesday, April 20, 2021
Virtual Program



foodscience.ucdavis.edu

Department of Food Science and Technology

Faculty and Programs

Brewing

Glen Fox

Consumer Sciences

Charlotte Biltekoff

Julien Delarue

Jean-Xavier Guinard

Food Biotechnology and

Molecular Biology

Daniela Barile

Juliana De Moura Bell

Bruce German

David Mills

Food Engineering / Physical

Chemistry / Technology

Daniela Barile, Gail Bornhorst,

Stephanie Dungan,

Nitin Nitin, Moshe Rosenberg,

Christopher Simmons,

Ned Spang, Ameer Taha,

Selina Wang

Microbial Food Safety and

Quality

Linda Harris, Erin DiCaprio,

Maria Marco, David Mills,

Carolyn Slupsky, Luxin Wang

Nutrition and Toxicology

Bruce German, Alyson Mitchell,

Carolyn Slupsky

Pedagogy and Evaluation

Bwalya Lungu

Properties of Foods

Daniela Barile

Stephanie Dungan

Bruce German

Alyson Mitchell, Nitin Nitin,

Moshe Rosenberg, Ameer Taha,

Selina Wang

Sensory Science

Jean-Xavier Guinard

Julien Delarue

Associated Programs

*California Institute of Food and
Agricultural Research*

Foods for Health

Bruce German

(530-752-1486)

Robert Mondavi Institute for

Wine and Food Science

Andrew Waterhouse, Director,

(530-754-6349)

rmi.ucdavis.edu

Program

4:00-5:30 p.m.

AGENDA

Welcome

*Food Tech Club and Dr. Linda J. Harris,
Department Chair*

The Year in Review

Food Tech Club

Graduate Student Awards Recipient Recognition

*Food Science Graduate Student
Association*

Cruess Scholarship

*Jaspreet Walia & Craig Rothe,
Northern California Institute of Food
Technologists*

Dr. Ryan Dowdy, NASA

"It's not rocket science, it's food science"
+ Q & A

Ryan Dowdy, Ph.D., has managed the Food System for the International Space Station for NASA for the past 2 1/2 years. He is a data-driven and people-skilled manager who is passionate about creating a positive atmosphere for both employees and customers. From food service workers to astronauts, he has managed personnel, customer service, data analytics, government contracting, long-term business planning, logistics, and inventory management for the International Space Station's food.

Ryan recently accepted a new position as Science & Technology Analysis Manager at the Good Food Institute, where he will work to accelerate alternative protein innovation.

Scholarship Winners

NCIFT Cruess Scholarship

Thong Thomas Nguyen •
Myhan Nguyen • Amber Sun •
Mirai Miura • Lik Xian Lim •
Mariah Mier • Nicholas Cheng •
Saanya Gupta • Yuelei Fu

Christine M. Bruhn Award in Consumer Food Science

Sushumna Canakapalli

John C. Bruhn Dairy Foods Scholarship

Yuelei Fu

Jacqueline Herbert Beckley and Leslie J. Herzog Scholarship

Katie Uhl • Minami Ogawa

Lloyd Chan Award

Amanda Sinrod • Erika Estrada •
Ted O'Neill • Juliano Toniato •
Sierra Durham

Victor Chu University Fellowship

Glory Bui • Sushumna Canakapalli •
Sierra Durham • Jessica Hallstrom •
Ming Yin Kwong •
Andrew Marcus • Ted O'Neill •
Nicholas Reitz • Natalia Ribeiro •
Amanda Sinrod • Andrea Tam •
Haruka Tomishima •
Juliano Toniato • Katie Uhl •
Ann-Dorie Webley

Rose Drake Scholarship

Prairva Plepalakon

Food Science Graduate Endowment

Erika Estrada • Derrick Risner •
Aidong Wang • Sierra Durham

Food Science Leadership Board Scholarship

Ted O'Neill • Glory Bui

Fresh Express

Yoonbin Kim • Xiran Li •
Tate Lone •
Sushumna Canakapalli •
Amanda Sinrod • Cuong Nguyen •
Katie Uhl • Erika Estrada •
Ming Yin Kwong • Nicholas Reitz •
Sophia Pinton • Chao Liao

Julie Heil Scholarship

Shuyue Chen • Jennifer Hosiadi

Chao L. Hsia Memorial Fellowship

Ruiye Yao

Erika and Walter Jennings Graduate Student Fellowship

Amanda Sinrod • Shiva Emami •
Zhichao Zhang • Kathleen Luo

Sherman Leonard Memorial Student Fund

Amanda Sinrod • Juliano Toniato •
Shiva Emami • Tate Lone •
Katie Uhl • Sophia Pinton

**James and Marilyn Lugg
Fellowship**

Tate Lone • Yoonbin Kim
Xiran Li • Sushumna Canakapalli •
Amanda Sinrod • Katie Uhl •
Sophia Pinton • Erika Estrada •
Cuong Nguyen • Ming Yin Kwong
Nicholas Reitz • Chao Liao

Bor Luh Memorial Scholarship

Natalia Ribeiro • Juliano Toniato •
Shiva Emami • Chao Liao •
Yoonbin Kim • Xiran Li •
Cuong Nguyen • Jiyoon Yi •
Zhuosheng Liu

George Marsh Scholarship

Mary-Ann Chen • Joshua Ansel
Matthew Sujanto • Xingrui Fan

**Margrit Mondavi Scholarship/
Fellowship**

Tate Lone • Amanda Sinrod •
Katie Uhl • Cuong Nguyen •
Ted O'Neill • Sierra Durham •
Jiyoon Yi • James Bruner •
Sophie Held • Emily Newman •
Yu-Ping Huang

Emil Mrak Memorial Scholarship

Hanna Louvau •
Jennifer Leonita Wijaya •
Myhan Nguyen • Shuyue Chen

Pangborn Memorial Award

Hanna Louvau • Lik Xian Lim •
Myhan Nguyen • Yuelei Fu •
Jovian Ardianto • Mariah Mier •
Vici Thahir • Daniel Schoonbrood •

Yeon Chu Paek • Elsie Golden •
Anna Quigley • Joshua Ansel •
Melissa Huang • Sarah Suriano •
Gabriella Rogers •
Keona Kanthatham

**R.M. Pinkerton Agricultural
Marketing Graduate Award**

Ming Yin Kwong

**Cecil F. and Martha C. Pinney
Trust Award**

Yuan Chen • Jennifer Hosiadi

**Bernard S. and Alta G. Schweigert
Scholarship**

Amanda Sinrod • Katie Uhl •
Sierra Durham • Sophia Pinton •
Shiva Emami • Erin Ford •
Sydney Thomas

George Stewart Memorial Award

Jacob Folz • Jiexin Liang •
Eric Stevens • Lei Wei •
Sara Yeager • Derrick Risner •
Aidong Wang • Yu-Ping Huang •
Zhuosheng Liu • Minami Ogawa •
Jessica Hallstrom •
Andrew Marcus • Andrea Tam •
Ruiye Yao • Erin Ford •
Sydney Thomas • Zhichao Zhang •
Kathleen Luo • Natalia Ribeiro •
Haruka Tomishima •
Ann-Dorie Webley •
Yoonbin Kim • Xiran Li •
Chao Liao • Sierra Durham

Graduate and Undergraduate Student Scholarship Winners



Aidong
Wang



Amanda
Sinrod



Amber
Sun



Andrea
Tam



Andrew
Marcus



Anna
Quigley



Ann-Dorie
Webley



Chao
Liao



Cuong
Nguyen



Daniel
Schoonbrood



Derrick
Risner



Elsie
Golden



Emily
Newman



Eric
Stevens



Ericka
Estrada



Erin
Ford



Gabriella
Rogers



Glory
Bui



Hannah
Louvau



Haruka
Tomishima



Jacob
Folz



James
Bruner



Jennifer
Hosiadi



Jennifer
Wijaya



Jessica
Hallstrom



Jessie
Liang



Jiyoon
Yi



Joshua
Ansel



Jovian
Ardianto



Juliano
Toniato



Kathleen
Luo



Katie
Uhl



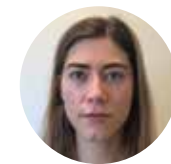
Keona
Kanthatham-



Lei
Wei



Lik Xian
Lim



Mariah
Mier



Mary-Ann
Chen



Matthew
Sujanto



Melissa
Huang



Minami
Ogawa



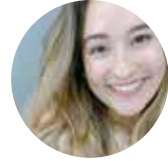
Ming Yin
Kwong



Mirai
Miura



Myhan
Nguyen



Natália
Ribeiro



Nicholas
Cheng



Nicholas
Reitz



Ruiye
Yao



Saanya
Gupta



Sara
Yeager



Sarah
Suriano



Shiva
Emami



Shuyue
Chen



Sierra
Durham



Sophia
Pinton



Sophie
Held



Sushumna
Kanakapalli



Sydney
Thomas



Tate
Lone



Ted
O'Neill



Thomas
Nguyen



Vici
Thahir



Xingrui
Fan



Xiran
Li



Yeon Chu
Paek



Yoonbin
Kim



Yuan
Chen



Yuelei
Fu



Yu-Ping
Huang



Zhichao
Zhang



Zhuosheng
Liu



Prairva
Plepalakon

Scholarship & Award Descriptions

BARRETT AND BUHLERT MEMORIAL FOOD SCIENCE TEACHING AWARD

Professor Ericka Barrett was known as an outstanding teacher, scientist, colleague, advisor and mentor, central to food microbiology teaching and research at UC Davis. She modernized the food microbiology curriculum in the 80s; served as chair of the Department of Food Science in the 90s; and mentored numerous students. James Buhkert was the manager of the Food Science pilot plant when the couple met at UC Davis. They married in 1979. The Barrett and Buhkert Memorial Food Science Teaching Award honors their legacies. The fund was established in 2016 to support graduate students who have demonstrated a passion for teaching and mentorship of other students—just as Ericka and Jim had during their tenures at UC Davis.

JACQUELINE HERBERT BECKLEY AND LESLIE J. HERZOG SCHOLARSHIP

The Jacqueline Herbert Beckley and Leslie J. Herzog Fellowship was created in 2012 by food science alumna Jacqueline Herbert Beckley and her husband, Leslie J. Herzog, as part of the Campaign for UC Davis and with matching support from the UC Davis Foundation. Jacqueline and Leslie have been active members of the Food Science and Technology Leadership Board and strong

supporters of the department and the food industry. The scholarship supports undergraduate or graduate students in Food Science.

ALICE C. BRIDGE MEMORIAL SCHOLARSHIP

This memorial scholarship was established in 1962 by a gift from Homer L. Bridge and is for students in the Department of Food Science and Technology.

CHRISTINE M. BRUHN AWARD IN CONSUMER FOOD SCIENCE

This award was endowed in 2013 by family and friends to honor Dr. Christine M. Bruhn's contributions to research on consumer issues in food safety and quality. Dr. Bruhn earned three degrees from UC Davis and went on to join Cooperative Extension from 1986 to 2014 as a Consumer Food Marketing Specialist in the Department of Food Science and Technology where she also directed the Center for Consumer Research. The Award supports an undergraduate student interested in consumer food science or a graduate student conducting research in consumer attitudes and behavior concerning food choice.

JOHN M. BRUHN DAIRY FOODS SCHOLARSHIP

This scholarship is named in honor of John C. Bruhn, PhD, who served as a Dairy Foods Processing Specialist with Cooperative Extension in the Department Food Science and Technology until 2006. He began his career after receiving his PhD in dairy bacteriology-biochemistry from UC Davis in 1969. The endowment was established in 2007 with gifts from industry organizations including the California Association of Dairy Milk Sanitarians, the California Creamery Operators Association and the California Dairy Industries Association in addition to gifts from the Bruhn family. It is awarded to an undergraduate or Master's student with an interest in the dairy foods industry with preference given to Master's students.

CARPENTER MEMORIAL SCHOLARSHIP

Established in 1993 this scholarship endowment honors the memories of Cliff and Jane Carpenter and is available to students studying food science and technology or nutrition.

LLOYD CHAN AWARD

Lloyd G. Chan is a three time UC Davis alumnus with BS degrees in chemistry and food biochemistry, an MS in food science, and an education credential. He worked in the malting industry, then in law enforcement, and eventually as a high school teacher in Fairfield. Mr. Chan created the Lloyd Chan Award in 2019 for undergraduate or graduate students in food science.

VICTOR CHU UNIVERSITY FELLOWSHIP

This fellowship was established in 2012 in honor of the late scientist and entrepreneur Victor Chu who emigrated from Shanghai and Hong Kong in 1965. Dr. Chu received his MS and PhD from UC Davis, in Food Science and in Agricultural and Environmental Chemistry respectively. He worked exceptionally hard to fund his education, and hoped to make the path easier for those coming after him. The Fellowship is available to graduate students in the Food Science and Agricultural Chemistry Graduate Groups.

NCIFT CRUESS SCHOLARSHIP

This award was established by the Northern California Institute of Food Technologists in honor of late Professor of Food Science and Technology, William Vere Cruess, through a trust fund established by Marie Cruess. Professor Cruess was a pioneer in the production of fruit juice beverages, concentrates, and syrups. This award selection process is managed by the NCIFT on behalf of UC Davis.

ROSE DRAKE AWARD

This award was created in 1994 by Douglas Drake in honor of his mother, Rose Drake, who was involved in the California frozen food industry and also attended UC Davis. Mr. Drake is a graduate of the Department of Food Science and Technology at UC Davis and went on to a career as an attorney in Sacramento. The Award is designated to encourage students studying Food Science and Technology.

FOOD SCIENCE GRADUATE ENDOWMENT

FOOD SCIENCE LEADERSHIP BOARD SCHOLARSHIP

The Food Science Leadership Board is composed of alumni and friends of the Department of Food Science and Technology from throughout the food industry. It provides the department ideas on how to best meet the needs of the food industry and society through an engaged teaching, research and outreach agenda. The Food Science and Technology Leadership Board Award was established in 2013 by the members of the Leadership Board to support undergraduate and/or graduate students in food science.

FRESH EXPRESS GRADUATE AWARD

The Fresh Express Graduate Award was endowed in 2007 with a gift from Chiquita Brands, at the time, the owner of the Salinas-based Fresh Express Company. Fresh Express was a pioneering company in the development of packaged salads. The award is given annually to support one or more graduate students in the Food Science Graduate Group.

IRWIN GIBBS FOOD INDUSTRY FOUNDATION SCHOLARSHIP

This scholarship dates back to 1956 and is thought to be the oldest scholarship associated with the Department of Food Science and Technology. Originally known as the Foodsters Scholarship, it was renamed in 2012 to acknowledge Irwin Gibbs, founder of the Foodsters and a proud former student of Emil Mrak. The Foodsters Scholarship was endowed in perpetuity in 1990 and

members of the group, now known as the Food Industry Foundation, continue to raise money for the scholarship and honor student recipients at their annual Cioppino Feed. This scholarship is for UC Davis undergraduates majoring in Food Science and Technology, Nutrition Science and/or Agricultural Economics and interested in a career in food marketing or management.

JULIE HEIL SCHOLARSHIP

This scholarship is named in honor of Julianna Heil, a UC Davis Food Science alumna and retired staff research associate. The endowment was established in 2005 by her colleagues after her death. The scholarship is for undergraduate Food Science students interested in the fields of food processing and preservation and/or food safety.

CHAO L. HSIA MEMORIAL FELLOWSHIP

Chao Hsia received his M.S. in Food Science from UC Davis, and worked for Professor Claypool in Pomology for 3 years. He made contributions to wine chemistry and anthocyanin pigments in free stone peaches. The fellowship in his honor was established in 2000 by a gift from his son, Thomas Hsia in memory of his father. The Fellowship is used to support graduate students majoring in Food Science.

ERIKA AND WALTER JENNINGS GRADUATE STUDENT FELLOWSHIP

This fellowship was established in 2010 by Professor Emeritus Walter Jennings whose 38 year career at UC Davis went from undergraduate student to emeritus Professor. Dr. Jennings's interest in flavor chemistry led him to develop new technologies to study the chemical composition of flavor. Along with USDA collaborators, he built the first gas chromatograph and he went on to co-found J&W Scientific which eventually sold to Agilent Technologies. The Jennings Fellowship supports outstanding students in the Food Science and/or Agricultural Chemistry Graduate Groups.

LAGUNITAS FOUNDATION AWARD

This award was endowed in 2014 with a gift from the Lagunitas Brewing Company. It was the first student support fund associated with the malting and brewing program at UC Davis and is available to undergraduate or graduate students in food science. The awardee is selected based on their academic excellence, interest in a brewing career and performance in the annual Iron Brew competition.

SHERMAN LEONARD MEMORIAL STUDENT FUND

Sherman Leonard was a food technologist in the department from 1951-1982. He devoted his life work to preserving perishable foods, improving their availability and quality. In 1985 friends and family endowed this award for graduate or undergraduate food science students with preference given to students interested in the processing of fruits and vegetables.

JAMES AND MARILYN LUGG GRADUATE STUDENT AWARD

James Lugg, a former Cooperative Extension Advisor and long time supporter of the University of California established this award with his wife, Marilyn, in 2013 with support from the UC Davis Foundation. The James and Marilyn Lugg award is given annually to a student in the Food Science Graduate Group and is awarded together with the Fresh Express Award recognizing Jim's early and innovative work in Salinas on leafy greens and packaged salad and his close relationships with that industry.

BOR LUH SCHOLARSHIP FUND

Dr. Bor Luh joined the faculty of the UC Davis Department of Food Science and Technology in 1952 as a researcher and lecturer. Throughout his career and even after his retirement from the university in 1986, he displayed a remarkable generosity in welcoming students and foreign scholars into his lab to do research in the area of fruit and vegetable processing. He mentored more than 100 graduate students, many of whom returned to their home countries to hold important positions in universities, government and industry. In 2002 friends and family established a memorial scholarship in his name to support students in Food Science and Technology.

GEORGE MARSH SCHOLARSHIP

Professor Marsh was one of the first faculty members in the Department. He was an authority on fruit and vegetable processing, and winemaking, and was a charter member of the Institute of Food Technologists. The endowment in his honor was established in 1994 by gifts from his daughters. The scholarship is to support undergraduates in Food Science and Technology.

MARGRIT MONDAVI SCHOLARSHIP/FELLOWSHIP

The Margrit Mondavi Scholarship and Fellowship Fund was made possible by a generous donation in 2017 from the late philanthropist Margrit Mondavi. Mrs. Mondavi and her husband, Robert, were wine industry pioneers and benefactors who created the Robert Mondavi Institute for Wine and Food Science at UC Davis. The scholarships/fellowships are designated to benefit graduate or undergraduate students in the departments associated with the Robert Mondavi Institute: Food Science and Technology and Viticulture and Enology.

EMIL MRAK MEMORIAL SCHOLARSHIP

Emil M. Mrak came to Davis in 1951 to serve as Chair of the Department of Food Science and Technology and was internationally known for his work on the preservation of foods and the biology of yeasts. He was Chancellor at Davis from 1959 to 1969 and presided over a tremendous period of campus growth. At the time of his death in 1987, friends and associates established this scholarship to honor his memory. It is for students studying

in the field of food science and technology.

NATE MLYNIEC MEMORIAL SCHOLARSHIP

When establishing this memorial scholarship together with friends and family, Vicky and Paul Mlyniec shared, "We are grateful that our son was accepted to UC Davis. Nate's life was cut short when he died in a car accident on August 10, 2007. We wish to honor his memory and his excitement about attending UC Davis as a food science major, where he could combine his love of chemistry and cooking." Today the Nate Mlyniec Memorial Scholarship is available to support current food science students.

PANGBORN MEMORIAL AWARD

This award endowment was established in 2019 to honor Professor Rose Marie Pangborn, a sensory scientist in the Experiment Station from 1955 until her death in 1990. She is remembered as a caring teacher and pioneer in the field of sensory science. The endowment was created by a gift from one of Dr. Pangborn's former students, Joel Franklin, and his wife, Marilyn. The Pangborn Memorial award is for an outstanding undergraduate or graduate student in Food Science.

DAVID D. PEEBLES SCHOLARSHIP FUND

In 1957 James R. Bancroft created the David D. Peebles Scholarship fund as a birthday surprise for his friend David Peebles. The scholarship recognizes Mr. Peebles's "many outstanding contributions to the food industry and also in appreciation of the warm and human personal qualities which accompany his scientific genius." Today, the scholarship is available to students studying food science, agricultural engineering and/or poultry husbandry.

R.M. PINKERTON AGRICULTURAL MARKETING GRADUATE AWARD

This award was established in 2008 by family, colleagues and friends, to honor the legacy of Ralph Pinkerton, Founding President of the California Avocado Commission, a marketing genius who brought California avocados to national prominence through nutritional awareness, co-branding, mass advertising, and other pioneering marketing strategies. The scholarship is available to undergraduates in the College of Agricultural and Environmental Sciences studying fields related to agricultural marketing.

CECIL F. AND MARTHA C. PINNEY TRUST AWARD

In 2007 UC Davis received a gift from the Cecil F. and Martha C. Pinney Trust to establish an endowed scholarship for the Food Tech Club in the names of the late Cecil and Martha Pinney. The club elected to grant this award to active members who also achieve academic excellence.

BERNARD S. AND ALTA G. SCHWEIGERT SCHOLARSHIP

Bernard Schweigert joined the faculty of the Department of Food Science and Technology and served as Department Chair from 1970 to 1988. Dr. Schweigert was instrumental in establishing the Department's PhD program, was a pioneer in the study of irradiation to preserve the nutritive value of foods, and was noted for his efforts to improve the quality of the world food supply. Colleagues of Dr. Schweigert established this scholarship in conjunction with a symposium to mark the conclusion of his service as Chairperson and in memory of his wife, Alta. Dr. Schweigert passed away in 1989. The scholarship is for students majoring in Food Science. The Scholarship recognizes students who have shown leadership in addition to academic achievement.

CHARLES AND SHARON SHOEMAKER INTERNATIONAL GRADUATE STUDENT SUPPORT AWARD

The Charles and Sharon Shoemaker International Graduate Student Support Award was established in 2011 to annually recognize one or more outstanding international students enrolled in the Food Science Graduate Group and with a research advisor in the Department of Food Science and Technology. Charlie and Sharon Shoemaker spent their careers associated with the Department. Charlie was on the faculty from 1978-2013 studying food texture and served as Department chair for 10 years. Sharon was a founding director of CIFAR the California Institute for Food and Agriculture Research associated with the Department.

GEORGE STEWART MEMORIAL AWARD

This endowment was established in 1985 by Grace Stewart in honor of her late husband Dr. George Stewart who was a faculty member from 1951 to 1975. He began in the Department of Avian Sciences and then served as chair of the Department of Food Science and Technology. He was named Director of the Food Protection and Toxicology Center and became chair of the new Department of Environmental Toxicology before returning to Food Science. Dr. Stewart's research related primarily to the processing and preservation of poultry and eggs and he authored more than 75 papers and co-authored the textbook Introduction to Food Technology. The Stewart Memorial Award is for undergraduate or graduate students in food science.

Donors & Supporters

Kyria Boundy-Mills, Ph.D.

Christine M. Bruhn, Ph.D.

John C. Bruhn, Ph.D.

Peter T. Cocotas

Carol A. Cooper

Linda J. Harris

David Mills, Ph.D.

Kathryn P. Sucher, Sc.D., R.D.

The above donors have contributed during the past year to the UC Davis Food Science Student Educational Enhancement Fund. This fund was established to support students' participation in networking and experiential learning opportunities, such as this program. If you would like to be featured as a donor in next year's program, please visit:

give.ucdavis.edu/AFST/FSEHNHC

The Institute of Food Technologists

is a vibrant community that has been shaping the discourse on food science and technology for more than 70 years. Individuals who are active in any aspect of the food profession and are interested in supporting IFT's objectives are invited to join our organization. The Northern California Section and the Central Valley Subsection are working together with the National IFT to ensure that we deliver a global and local experience for all members.

Membership benefits include full access to NCIFT and IFT resources on-demand webcasts, Annual registration discounts, and access to the IFT Salary Survey. IFT Membership dues are a solid career investment. No other organization has IFT's ability to advance the science of food or to advance the careers of professionals like you. Annual professional membership dues of \$190 are based on a 12-month period and include an annual subscription to Food Technology magazine as well as NCIFT's quarterly Hornblower magazine. Contact the NCIFT membership chair directly for further questions.

Both the UC Davis Internship and Career Center and the Department of Food Science and Technology are eager to help you find qualified students to fill your internships or career positions.

Vacancies can be posted to icc.ucdavis.edu/employer.

Questions? Contact Sam Arcement (sarcement@ucdavis.edu)