



*A Community
of Scholars
Honoring
Excellence*

2022



2022

Food and
Agricultural Sciences
Excellence
in College and
University
Awards Program

INTRODUCTION

Partnerships are integral to the National Institute of Food and Agriculture. Through our continued partnership with the Association of Public and Land-grant Universities, and with each of you, we are cultivating groundbreaking discoveries, developing new knowledge, and delivering both in classrooms and communities across the nation to help our nation's farmers and families, ranchers, producers, and consumers.

Together we are making great strides to address the most pressing needs of the people we serve, especially in creating climate-smart agriculture, improving nutrition security, building a better, more resilient economy, and ensuring diversity, equity inclusion and accessibility

across the nation. We join you in celebrating this year's conference theme: Future Forward. Together I'm confident we will keep moving forward and make a real difference in the lives of people across this nation.

Today, we recognize the extraordinary efforts of educators, teachers, researchers, leaders, and extension professionals whose work creates a tremendous positive impact for those we serve. It's an honor to pause and reflect on the great work we've accomplished over the past year.

Our heartfelt congratulations to the award winners being recognized today and to the universities that supported their efforts.



DR. DIONNE TOOMBS

*Acting Director, USDA National
Institute of Food and Agriculture*

APLU PRESIDENT'S LETTER

Providing ordinary citizens with life-changing education in agricultural sciences was at the heart of Justin Morrill's vision for legislation that established a national network of public universities that is the envy of the world. Today, agricultural research and education are just as critical.

And it is the educators and researchers who animate this work. They broaden students' horizons, propel our world forward through pathbreaking innovation, and partner with their communities to tackle urgent issues in their regions.

Each year, the Association of Public and Land-grant Universities and USDA's National Institute of Food and Agriculture recognizes these important contributions. Congratulations to the 2022 recipients of the Food and Agricultural Sciences Excellence in College and University Awards Programs. Their uncompromising commitment to teaching, research, and community engagement is a mark of distinction. Thank you for your service; you have earned this important recognition.

Mark Becker

President, Association of Public
and Land-grant Universities



DR. MARK BECKER

*President, Association of Public
& Land-grant Universities*



National Teaching and Student Engagement Awards

2022



Rebecca Baldwin

Entomology

University of Florida

Rebecca Baldwin is an associate professor and undergraduate coordinator for the University of Florida Entomology and Nematology Department. During her career at the University of Florida, she has taught 11 undergraduate and graduate courses reaching 500-840 students each academic year. She has served or chaired 31 graduate committees and advises 60-90 undergraduate entomology majors and minors each semester. Baldwin serves as the faculty advisor for the undergraduate Entomology Club, the coach for the graduate Entomology Team and, through the Bugs and People course, has developed a mentoring program where students develop into peer leaders. Through the UF Preview orientation, she has had the opportunity to share the importance of communication to nearly 70,000 first-year students. Outside of the classroom, Baldwin uses insects to promote science communication and STEM initiatives through directing the Bug Club Entomology Education and Outreach Program through which she has developed the Entomology Field Camp (Bug Camp) and the Florida 4-H Insectathon. Baldwin's teaching and extension has been recognized by UF College of Agricultural and Life Sciences, the Florida Entomological Society, Florida 4-H, the Entomological Society of America Certification Board, and the North American Colleges and Teachers of Agriculture.

Baldwin holds a Ph.D. from the University of Florida where her research program focuses on entomology education and integrated pest management (IPM) tools for crawling insect control. Using both informal and formal educational formats, Baldwin serves the industry by providing continuing education programs for educators, pest control operators, mosquito managers, and pest management associations. Baldwin is a Board Certified Urban and Industrial Entomologist and serves on the Entomological Society of America Education and Outreach Committee. Baldwin became interested in entomology as a child through the 4-H club in Ouachita Parish, Louisiana, and went on to receive her bachelor's and master's degrees in Biology from the University of Louisiana Monroe.



Mary Kay Pohlschneider

Food Science and Technology

The Ohio State University

Mary Kay Pohlschneider is a Senior Lecturer at The Ohio State University in the Department of Food Science and Technology. She has been teaching, advising, and mentoring students for 14 years. Her Introductory Food Processing course allows her to welcome students into the department and connect with them through their mutual excitement about the science of food. This relationship continues throughout their time at OSU as Pohlschneider serves as an undergraduate advisor for the Food Business Management and Culinary Science students as well as an ad hoc advisor for many Food Science students in her courses. After they have taken many more courses, students return to Pohlschneider as she manages their internship credits.

Among the other courses Pohlschneider teaches, she is well known for classes about caffeine, chocolate, kitchen basics, and food controversies. From these courses, she has had the opportunity to offer faculty programing in the OSU residence halls. She is an avid advocate for food science and often is found presenting demonstrations and hands-on activities for students of all ages at schools and 4-H clubs. Pohlschneider coaches FFA students at her local high school in Food Science, Meat Science and Biotechnology.

Pohlschneider earned B.S. and M.S. degrees in Animal Sciences and Ph.D. in Food Science and Technology from The Ohio State University, College of Food Agriculture and Environmental Sciences.



National Teaching Awards

2022



Jacquelyn Dee Mosley

Human Sciences

University of Arkansas – Fayetteville

Recognized for her passion about implementing diversity, equity, and inclusion into her classrooms, Jacquelyn Mosley has been actively involved in promoting cultural competence teaching pedagogy in the state of Arkansas.

Mosley is a Professor in the School of Human Environmental Sciences at the University of Arkansas. During her 12 years, she has taught 8 different classes, including 4 she developed and 2 for online education. After becoming a trained administrator in the Intercultural Development Inventory (IDI), she developed a new general education course for all of campus. She has established herself as the go to person for cultural competence training, assessing over 2,000 students, faculty, staff, and campus leaders in over 60 trainings across campus, as well as the leadership team of Tyson Foods and the Division of Agriculture.

Mosley's excellence in teaching has been recognized with a national Cognella Innovation Teaching Award in Family Science, and both the University of Arkansas Teaching Academy New Fellow, and Jack G. Justus Award for Teaching Excellence in the Dale Bumpers College of Agricultural, Food and Life Sciences. She has published over 50 research articles and secured over \$2 million in funding support. Mosley is also the faculty mentor for the UA Minorities in Agriculture, Natural Resources and Related Sciences.

Mosley earned her bachelor's (2003) in Psychology at the University of Northern Iowa, a Master of Science (2006) at Arizona State University and Ph.D. (2008) at Texas Tech University, both in Human Development and Family Sciences.



Shyam Nair

Agribusiness

Sam Houston State University

Known for his passion for teaching and nurturing students, Nair provides a learning-centered educational environment where students connect concepts and tools with real-life applications. He seamlessly integrates teaching with undergraduate research so that his students gain deeper knowledge while simultaneously developing critical soft-skills, such as teamwork and communication. He inspires students not only to be successful in academics but also to excel as professionals, leaders, and contributing community members.

Nair is an Associate Professor of Agribusiness and the Assistant Chair of the School of Agricultural Sciences at Sam Houston State University. He is PI or Co-PI on grants in excess of \$2.5 million that feature significant educational components, including recruiting, mentoring, and undergraduate research. He is a Fellow of the Texas Academic Leadership Academy and has served as Chair of the Educator Recognition Committee for the North American Colleges and Teachers of Agriculture (NACTA) from 2019-2021. He also serves as Coordinator for Texas FFA Area and State Farm Business Management Career Development events.

Nair has received a number of teaching and research awards, including the NACTA Teaching Award of Merit (2016), NACTA Educator Award (2017), SHSU College of Science and Engineering Technology Faculty Excellence in Research Award (2019), and Faculty Excellence in Teaching Award (2021).

Nair earned his B.S. (Agriculture) and M.S. (Agronomy) from Kerala Agricultural University, India, and Ph.D. (Agricultural and Applied Economics) from Texas Tech University. He is married to Nithya Rajan, a Professor of Crop Physiology & Agroecology at Texas A&M University.



Regional Teaching Awards

2022

Steven Johnson

*Wildlife Ecology and Natural Resources Conservation
University of Florida*

Steve A. Johnson is a Professor of Wildlife Ecology and Conservation in the College of Agricultural and Life Sciences at the University of Florida. Johnson teaches a diversity of courses that support undergraduate majors in Wildlife Ecology and Natural Resource Conservation. His courses are delivered in a variety of modalities including traditional face-to-face lecture, lab, asynchronous/online, synchronous/online, study abroad, and field-based formats.



Johnson is an advocate for experiential, hands-on learning and regularly takes his students on field excursions to observe wildlife in their natural habitats. These include camping in national forests, canoeing on Florida's spring-fed rivers, birding at nature preserves, and a student favorite—snorkeling with manatees.

He is an enthusiastic, effective, and approachable teacher who takes great pride in seeing his students excel on assessments, attend graduate and professional school, and experience “aha moments” in his classes. Johnson is a favorite among undergraduates and was voted the Undergraduate Faculty of the Year in his department five times since 2012. He also received his college's Undergraduate Teacher of the Year award in 2018 and the North American Colleges and Teachers of Agriculture (NACTA) Educator Award in 2020.

Johnson earned his B.S. and M.S. degrees in Biology from the University of Central Florida, and his Ph.D. in Wildlife Ecology & Conservation from the University of Florida—Go Gators!

Cassandra Katherine Jones

*Animal Sciences and Industry
Kansas State University*

Dr. Cassie Jones is a Professor at Kansas State University. At Kansas State, Dr. Jones coordinates the animal science department's undergraduate teaching program, which has more than 900 students. She is an award-winning academic advisor and is passionate about faculty-based advising programs. Jones teaches freshmen-level seminars, as well as undergraduate and graduate-level courses in animal nutrition.



Jones also has a robust interdisciplinary research program in animal feed safety, publishing more than 90 referred journal articles and garnering more than \$2.5 million in grants and gifts to support teaching and research while at Kansas State.

Jones earned her B.S. and M.S. from Kansas State University and her Ph.D. at Iowa State University. She and her husband, Spencer, own a cattle ranch in the Flint Hills of Kansas where they raise their three young children.

Courtney Alyssa Meyers

*Agricultural Communications
Texas Tech University*

Known for her energetic pedagogical style, Dr. Courtney Meyers' dedication as a professor empowers students with confidence, communication skills, and problem-solving principles to pursue their goals. With an emphasis on service learning, she teaches courses in Web design, public relations writing, and online media strategy. She also serves as the Graduate Studies Coordinator for the Agricultural Education & Communications Department at Texas Tech University.



Meyers' passion, talents, skills, and even her sense of humor have helped students, her colleagues, and others grow as well as receive recognitions for their achievements. Her contributions as an educator are reflected in Texas Tech's distinction as the top undergraduate agricultural communications program in the nation. She is also an exceptional mentor for graduate students, including many who have gone on to their own university teaching roles.

Recognized as a Texas Tech Integrated Scholar, Meyers is a member of Texas Tech's Teaching Academy and has received teaching awards at the college, university, and national levels. Her research efforts in the scholarship of teaching and learning have led to several funded proposals to enhance students' critical thinking, opinion leadership, and communication skills.

Meyers has developed an international reputation as a scholar in agricultural communications. She is currently in Australia on a Fulbright Scholar award to research how agricultural issues are being communicated in the country.

Meyers earned a B.S. from Kansas State University, M.S. from the University of Arkansas and Ph.D. from the University of Florida.

Chad T. Miller

*Horticulture
Kansas State University*

"The mind is not a vessel to be filled but a fire to be kindled." — Plutarch

Chad Miller believes his role is not only to assist students in learning, but also to inspire and mentor. His teaching and advising philosophies center around creating a learning atmosphere with a sense of community and belonging to foster connection with the students. In the classroom, he seeks to try new and different approaches, while sharing his passion, excitement, and enthusiasm of plants and learning. He encourages and motivates students to take an active role in their education. He hopes that students will not only learn horticultural knowledge, but also critical life skills, so they are better prepared and continue to be active, lifelong learners as global citizens.



Dr. Miller is an associate professor of horticulture at Kansas State University and teaches several core undergraduate horticulture courses. He teaches an orientation course, plant propagation, two plant identification courses, and a non-major survey course. Miller also develops and leads international study abroad experiences and advises the undergraduate Horticulture Club and honorary Pi Alpha Xi organization.

Miller continually works to develop and improve his scholarship of teaching and learning, through improving and developing innovative classroom curriculum and activities. Miller is an Association of College and University Educators (ACUE) Fellow. Miller has been recognized for his teaching and advising, including the Kansas State Presidential Award for Excellence in Undergraduate Teaching; USDA Food and Agriculture Sciences Excellence New Teacher Award; the Perennial Plant Association Academic Award; and the North American Colleges and Teachers of Agriculture Educator Award.

Miller earned his B.S. degree at the University of Wisconsin—River Falls and M.S. and Ph.D. degrees at Cornell University.

Haley Franks Oliver

Food Science

Purdue University

Haley Oliver is a 150th Anniversary Professor at Purdue University, Director of the USAID Feed the Future Food Safety Innovation Lab, Sr. Research Fellow at the Krach Institute for Tech Diplomacy at Purdue, a Purdue University Health Equity Champion, and Showalter Fellow.

Dr. Oliver joined Purdue University in 2010 with a primary teaching appointment in the Department of Food Science. Throughout her tenure, she has taught food microbiology, food safety, sanitation, and related subjects. She is deeply committed to active learning and has worked tirelessly to ensure diversity, equity, and inclusion in her classroom and research programs. As Director of the Food Safety Innovation Lab, she develops and oversees USAID's food safety research portfolio currently implemented in Senegal, Kenya, Bangladesh, Cambodia, Nigeria, and Nepal. She has over 10 years of food security field experience in low- and middle-income economies. Oliver's domestic research focuses on foodborne pathogens in emerging food systems (e.g., cellular agriculture) with an emphasis on practical and feasible control strategies.

She has received the United States Department of Agriculture and the Association of Public and Land-Grant Universities' Justin Smith Morrill Award, Purdue University Carine Alexander Spirit of the Land-Grant award, the USDA Food and Agriculture Science Excellence in Teaching Early Career Award, Purdue University's highest teaching honor the Charles B. Murphy Teaching Award, the IAFP Young Scientist Award, IAFP James M. Jay Diversity in Food Award, and is a AAAS Leshner Fellow.

She completed her B.S. degrees in Molecular Biology and in Microbiology at the University of Wyoming and received her Ph.D. in Food Science, with minors in Epidemiology and Microbiology, at Cornell University.



Heloisa Moreno Rutigliano

Animal Physiology and Immunology

Utah State University

Heloisa Rutigliano is an Associate Professor at the School of Veterinary Medicine at Utah State University. She has taught Animal Physiology, Immunology, and Veterinary Ethics and Professionalism at the School of Veterinary Medicine at Utah State University since the inception of the program in 2012.



Rutigliano believes that as an instructor, she is a catalyst of learning, rather than as an expert who simply delivers information to students. Her mission is to: 1) expose her students to knowledge that intrigues them, that inspires them to learn more, 2) train well-rounded professionals and, 3) create an environment that promotes collaboration and learning. Rutigliano uses various active learning methods to promote student engagement and application of class content.

Rutigliano is involved in several activities to promote a culture of teaching excellence within her department, university, and professional organizations. She also maintains an extramurally funded research laboratory where students conduct research in reproductive physiology in ruminants. She has directly trained and mentored over 20 students in her laboratory ranging from high school to Ph.D. students and her students have won national awards.

Rutigliano has received regional, university and national awards including the Utah State University Teacher of the Year Award, the APLU Western Region Teaching Award, the NACTA Educator Award, and the WIMU Excellence in Pre-Clinical Teaching Award.

She earned her D.V.M. degree from Sao Paulo State University in Brazil, and her M.Sc. and Ph.D. degrees in Animal Biology from the University of California at Davis.



Early Career Teacher Awards

2022

Gerardo Nunez

*Horticultural Sciences
University of Florida*

Gerardo Nunez is an Assistant Professor in the Horticultural Sciences Department at the University of Florida (UF). Dr. Nunez's goals as an educator are to connect students from all backgrounds with food and agriculture and to prepare students for careers in the agriculture and natural resources sector. Nunez teaches through inquiry, experience, and interaction. He uses modern communication tools, in-farm experiences, and course-based research to promote practical skill-building and career readiness. He is passionate about training the next generation of horticulturists and enjoys growing food alongside his students.



Nunez's research program synergistically supports his teaching goals. Undergraduate researchers play an integral role in his small fruit physiology research lab, where they learn, research, and feature as coauthors on articles in leading horticulture journals. His laboratory also provides meaningful opportunities to students from underrepresented and underserved groups.

Nunez is native to Quito, Ecuador. He earned a B.S. in Biology at Fairleigh Dickinson University (2010) and a Ph.D. in Horticultural Science (2015) at the University of Florida. He has been recognized with the North American Colleges and Teachers of Agriculture Educator Award (2021) and the UF College of Agricultural and Life Sciences Innovation in Teaching award (2021) and Early Career Excellence in Teaching Award (2020).

Mary Theresa Rodriguez

*Community Leadership
The Ohio State University*

Mary Rodriguez strives to prepare future leaders to address the complex, wicked issues facing communities and our society. She firmly believes in the difference students can make in their communities (of place, interest, or people). She strives to create supportive, yet challenging learning environments where students examine their assumptions through conversations that encourage critical thinking. As such, she emphasizes real-world application of the concepts and issues they are studying and purposefully creates connections to the student's realities.



Rodriguez strongly believes in the importance of diverse perspectives. She challenges students to learn about different people and cultures in their communities. Her goal is to ensure that future agricultural and environmental professionals are prepared to work in a multicultural workforce employing skills in intercultural communication and leadership. She leads study abroad programs and teaches multiculturalism throughout her courses, helping students gain intercultural competency. Furthermore, she is purposeful in her teaching, providing various perspectives including works by authors of color, incorporating social justice centered work, and other sources that shed light on systemic issues in our society.

Rodriguez has received the Outstanding Early Achievement Award from the Association of International Agricultural and Extension Education (AIAEE) and has been recognized for her teaching excellence by the North American Colleges and Teachers of Agriculture (NACTA) Teaching Award.

Mary Rodriguez earned her B.S. in Agricultural Sciences from Texas A&M University and her M.S. and Ph.D. from The University of Florida.

TEACHING AWARDS SELECTION PANEL

Chris Baines

*Associate Professor
College of Veterinary Medicine
University of Missouri*

Corrie Cotton

*Research Assistant Professor
Department of Agriculture, Food,
and Resource Sciences
University of Maryland, Eastern Shore*

Mark Kistler

*Dean
School of Agriculture and Natural Resources
Abraham Baldwin Agricultural College*

Catherine Kleier

*Associate Dean
College of Agriculture, Food and Environmental Sciences
California Polytechnic State University*

Nina Lyon-Bennett

*Assistant Dean for Academics
School of Agriculture, Fisheries and Human Sciences
University of Arkansas at Pine Bluff*

Rebecca Swenson

*Associate Professor
College of Food, Agricultural and Natural Resource Sciences
University of Minnesota*

Robert Torres

*Department Head
College of Agriculture and Life Sciences
University of Arizona*

UNIVERSITIES OF EXCELLENCE

As recognized by the Excellence in College and University Teaching Awards

University of Florida (24)	University of Massachusetts (3)
Kansas State University (19)	University of Minnesota (3)
Texas A&M University (16)	University of Wisconsin–Madison (3)
University of Illinois (15)	Washington State University (3)
Oklahoma State University (14)	Auburn University (2)
Iowa State University (12)	California State University, Fresno (2)
The University of Georgia (12)	Clemson University (2)
Cornell University (11)	Langston University (2)
Purdue University (12)	Michigan State University (2)
The Ohio State University (13)	North Dakota State University (2)
North Carolina State University (11)	Southern University and A&M College (2)
University of Connecticut (9)	University of California, Riverside (2)
University of Missouri–Columbia (7)	University of Delaware (2)
Colorado State University (6)	University of Vermont (2)
The Pennsylvania State University (6)	California State Polytechnic University, Pomona (1)
Utah State University (7)	California State University, Chico (1)
New Mexico State University (5)	Florida State University (1)
South Dakota State University (5)	Illinois State University (1)
University of Arizona (5)	Montclair State University (1)
University of Arkansas at Fayetteville (6)	North Carolina Agricultural and Technical State University (1)
University of Nebraska (5)	Southern Utah University (1)
Rutgers, The State University of New Jersey (4)	Southwest Missouri State University (1)
Sam Houston State University (5)	Tarleton State University (1)
Texas Tech University (5)	University of Findlay (1)
University of California, Davis (4)	University of Manoa (1)
University of Idaho (4)	University of Maryland, College Park (1)
University of Kentucky (4)	University of Maryland Eastern Shore (1)
University of Rhode Island (4)	University of Michigan (1)
University of Wyoming (4)	University of Nevada, Reno (1)
Virginia Polytechnic Institute and State University (4)	University of North Carolina, Greensboro (1)
Delaware State University (3)	University of Wisconsin–River Falls (1)
Louisiana State University (3)	West Virginia University (1)
Oregon State University (3)	

() denotes number of recipients since inception of awards in 1992

ROLL OF RECIPIENTS

Excellence in College and University Teaching Awards (2008–2022)

NATIONAL

Teresa C. Balser

University of Wisconsin, 2009

Michael J. Boehm

The Ohio State University, 2010

Terence J. Centner

The University of Georgia, 2015

Ann D. Christy

The Ohio State University, 2016

John L. Crompton

Texas A&M University, 2012

Dennis R. Decoteau

The Pennsylvania State University, 2019

Anna Dilger

University of Illinois, Urbana-Champaign, 2021

Liz Flaherty

Purdue University, 2020

Garey A. Fox

Oklahoma State University, 2015

Nick Fuhrman

University of Georgia, 2021

Tiffany M. Heng-Moss

University of Nebraska–Lincoln, 2013

Shida R. Henneberry

Oklahoma State University, 2014

M. Douglas Kenealy

Iowa State University, 2009

Kerry K. Litzenberg

Texas A&M University, 2011

Steven M. Lonergan

Iowa State University, 2018

Gretchen Mafi

Oklahoma State University, 2020

Joshua J. Millspaugh

University of Missouri, 2008

Robert A. Milvae

University of Connecticut, 2011

Gregory Möller

University of Idaho, 2014

Jacquelyn Dee Mosley

University of Arkansas, Fayetteville 2022

Shyam Nair

Sam Houston State University, 2022

S. Suzanne Nielsen

Purdue University, 2017

F. Bailey Norwood

Oklahoma State University, 2016

Candice A. Shoemaker

Kansas State University, 2012

Michelle S. Shroeder-Moreno

North Carolina State University, 2019

Ricky W. Telg

University of Florida, 2010

Ann Marie VanDerZanden

Iowa State University, 2017

Michael E. Wetzstein

The University of Georgia, 2013

M. Susie Whittington

The Ohio State University, 2008

X. Ben Wu

Texas A&M University, 2018

NORTH CENTRAL REGION

Sanjeev Anand

South Dakota State University, 2021

Anna L. Ball

University of Missouri, 2014

Jason Scott Bergtold

Kansas State University, 2018

Michael Boland

Kansas State University, 2008

Emily B. Buck

The Ohio State University, 2016

C. Lee Burras

Iowa State University, 2011

Joseph F. Donnermeyer

The Ohio State University, 2010

Allen M. Featherstone

Kansas State University, 2011

Janice J. Haggart

North Dakota State University, 2013

Alan C. Hansen

University of Illinois at Urbana–Champaign, 2015

Richard W. Hartel

University of Wisconsin–Madison, 2011

Walter L. Hurley
University of Illinois, 2014

Cassandra Katherine Jones
Kansas State University, 2022

Soo-Yeun Lee
University of Illinois, Urbana–Champaign, 2013

Brian H. Lower
The Ohio State University, 2016

Chad T. Miller
Kansas State University, 2022

Haley Franks Oliver
Purdue University, 2022

Christian Y. Oseto
Purdue University, 2008

Kevin L. Schalinske
Iowa State University, 2019

Richard C. Schultz
Iowa State University, 2008

Aleksan Shanoyan
Kansas State University, 2020

Janice Marie Siegford
Michigan State University, 2017

Michael F. Smith
University of Missouri, 2010

Daniel U. Thomson
Kansas State University, 2012

Cheryl Joy Wachenheim
North Dakota State University, 2018

Michel A. Wattiaux
University of Wisconsin–Madison, 2009

Brian D. Whitaker
University of Findlay, 2020

Kimberly A. Williams
Kansas State University, 2009

Cody L. Wright
South Dakota State University, 2019

Linda Yarrow
Kansas State University, 2021

Curtis R. Youngs
Iowa State University, 2014

NORTHEAST REGION

Kenneth P. Blemings
West Virginia University, 2012

John C. “Jack” Clausen
University of Connecticut, 2013

Ashim K. Datta
Cornell University, 2011

Joshua Martin Duke
University of Delaware, 2018

John C. Ewing
The Pennsylvania State University, 2016

Thomas P. Husband
University of Rhode Island, 2007

James P. Lassoie
Cornell University, 2014

David A. Levitsky
Cornell University, 2009

Lurline E. Marsh
University of Maryland Eastern Shore, 2019

Antonio DiTommaso
Cornell University, 2019

Gulnihal Ozbay
Delaware State University, 2020

Rama B. Radhakrishna
The Pennsylvania State University, 2010

Steven Andrew Zinn
University of Connecticut, 2017

SOUTHERN REGION

Antoine J. Alston
North Carolina A&T State University, 2010

Pete Bettinger
University of Georgia, 2021

Marcy M. Beverly
Sam Houston State University, 2019

J. Chance Brooks
Texas Tech University, 2014

Dale A. Coleman
Auburn University, 2011

Kathrin Dunlap
Texas A&M University, 2021

Molly Espey
Clemson University, 2012

L. Suzanne Goodell
North Carolina State University, 2017

Jeffory A. Hattey
Oklahoma State University, 2008

Susan K. Jacobson
University of Florida, 2022

Steven Johnson
University of Florida, 2022

Michael E. Kane
University of Florida, 2009

Stanley F. Kelley
Sam Houston State University, 2012

Robert A. Lane
Sam Houston State University, 2017

Robert McCleery
University of Florida, 2020

Courtney Alyssa Meyers
Texas Tech University, 2022

Foy D. Mills, Jr.
Sam Houston State University, 2015

Kimberly A. Moore
University of Florida, 2018

Zhu H. Ning
Southern University and A&M College, 2016

Lawrence R. 'Dick' Oliver
University of Arkansas, 2009

Jon W. Ramsey
Oklahoma State University, 2021

Tracy A. Rutherford
Texas A&M University, 2014

Jeffrey W. Savell
Texas A&M University, 2013

Robert L. Shewfelt
The University of Georgia, 2008

William J. Silvia
University of Kentucky, 2013

Patricia K. Smith
Texas A&M University, 2015

Nicole L.P. Stedman
University of Florida, 2016

Julianne Treme
North Carolina State University, 2020

George W. Wardlow
University of Arkansas at Fayetteville, 2008

Alan Elliott Wilson
Auburn University, 2018

Elizabeth B. Wilson
North Carolina State University, 2010

WESTERN REGION

Elizabeth A. Applegate
University of California, Davis, 2016

Stephen Devadoss
University of Idaho, 2010

Thomas R. Famula
University of California, Davis, 2012

W. Marshall Frasier
Colorado State University, 2015

Matthew Mars
The University of Arizona, 2020

Timothy D. Paine
University of California, Riverside, 2015

Dennis T. Ray
The University of Arizona, 2009

Heloisa Moreno Rutigliano
Utah State University, 2022

William E. Walton
University of California, Riverside, 2022

Brian K. Warnick
Utah State University, 2013

Karen C. Williams
University of Wyoming, 2012

Dean Winward
Southern Utah University, 2021

EARLY CAREER

Abigail Borron
The University of Georgia, 2019

Leslie D. Edgar
University of Arkansas, Fayetteville 2013

Kellie J. Enns
Colorado State University, 2014

Miriam Ferzli
North Carolina State University, 2011

Suzanne M. Gray
The Ohio State University, 2020

Beatrix Haggard
Oklahoma State University, 2021

Jason D. Hans
University of Kentucky, 2009

Jennifer L. Hardesty
University of Illinois, 2008

David W.W. Jones
North Carolina State University, 2013

Amy L. Kaleita
Iowa State University, 2007

Tracy Kitchel
University of Missouri, 2011

Rebecca G. Lawver
Utah State University, 2016

Jamie Loizzo
University of Florida, 2021

Andrea Lucky
University of Florida, 2019

Michael L. Mashtare, Jr.
Purdue University, 2018

Eric S. McLamore
University of Florida, 2016

Courtney A. Meyers
Texas Tech University, 2015

Chad T. Miller
Kansas State University, 2017

Christine Whitney Miller
University of Florida, 2017

Joy Morgan
North Carolina State University, 2020

Brian E. Myers
University of Florida, 2008

Maria Navarro
The University of Georgia, 2012

Gerardo Nunez
University of Florida, 2022

Haley F. Oliver
Purdue University, 2014

Ranjith Ramanathan
Oklahoma State University, 2018

Michael S. Retallick
Iowa State University, 2012

T. Grady Roberts
University of Florida, 2010

Mary Theresa Rodriguez
The Ohio State University, 2022

Tyson Sorensen
Utah State University, 2020

Lori Unruh Snyder
Purdue University, 2009

Jennifer R. Strong
Texas A&M University, 2015

Amanda D. Weaver
South Dakota State University, 2010

NATIONAL TEACHING AND STUDENT ENGAGEMENT

James C. Anderson II
University of Georgia, 2021

Rebecca Baldwin
University of Florida, 2022

W. Wyatt Hoback
Oklahoma State University, 2020

Erica Irlbeck
Texas Tech University, 2021

Elizabeth L. Karcher
Purdue University, 2019

Monika W. Oli
University of Florida, 2018

Mary Kay Pohlschneider
The Ohio State University, 2022

Shelly Peper Sitton
Oklahoma State University, 2018

John D. Tummons
University of Missouri, 2019

Nicholas Uilk
South Dakota State University, 2020



National
Excellence in
Extension Award
for a Team

2022



AES NC3169: EFNEP-Related Research, Program Evaluation, and Outreach

Multiple Land-grant Universities

With the mission of strengthening the Expanded Food and Nutrition Education Program's (EFNEP) evidence base, the Agricultural Experiment Station Multistate Research Group "EFNEP-Related Research, Program Evaluation, and Outreach" (NC3169) has developed critical evaluation tools to assess program effectiveness. Integrating the Land Grant mission of extension, research, and education, NC3169 currently includes 23 university researchers, practitioners, and graduate students, representing 16 Land Grant institutions. Membership reflects the diversity of expertise needed to address identified research needs including nutrition, physical activity, education, economics, food safety, public health, sociology, and statistics while engaging 1862 and 1890 institutions across all NIFA regions in community based participatory research.

The work of NC3169 has been presented at national meetings, published in peer-reviewed journal articles and supported extramurally. The group's most recent grant award was a 2021 USDA NIFA AFRI award titled "A Cost-Benefit Analysis of EFNEP Utilizing Biomarkers of Chronic Disease Risk" funded at almost \$1million.

Examples of new evaluation tools include a valid and reliable Food and Physical Activity Questionnaire (FPAQ) that is used by EFNEP nationally and an Infant Feeding Questionnaire available for EFNEP implementers. New impact statement templates were developed to aid in communicating EFNEP impacts to stakeholders. The Multistate Research Group continues to work on a quality-of-life assessment for EFNEP participants, a standardized Spanish FPAQ translation, a retrospective EFNEP evaluation and EFNEP cost-benefit analysis.

Through the development and testing of new culturally relevant evaluation tools, NC3169 Multi-state Research Group has expanded the evidence base of EFNEP, Extension's flagship nutrition education program.



National
Excellence in
Extension Award
for an Individual

2022



Alison Davis

Extension Professor of Agricultural Economics

*Executive Director of the Community and Economic Development Initiative
University of Kentucky*

Alison Davis serves as an Extension Professor of Agricultural Economics and the Executive Director of the Community and Economic Development Initiative of Kentucky at the University of Kentucky (CEDIK). CEDIK's mission is to build engaged communities and vibrant economies. Davis leads a team of fifteen engagement and research staff to support for CEDIK's five priority areas: economic development, leadership development, community health, arts engagement, and community design.

Davis has attracted over \$15 million in funding from federal agencies including USDA, Appalachian Regional Commission, Health and Human Services, and Robert Wood Johnson Foundation. In 2020, Davis led a statewide Economic Recovery and Resiliency Program designed to support economic development professionals, small businesses and communities rebound from COVID-19. She facilitated the distribution of nearly \$1 million in grants to Kentucky businesses and communities to support their recovery from the loss of revenues from COVID-19. She now leads similar efforts supporting disaster relief and recovery for businesses and communities that have been destroyed by extreme weather events.

In Spring 2022, Davis and her team led an online rural placemaking conference for over 800 participants across the country funded by USDA Rural Development. Davis also serves as the Director for the national Center for Economic Analysis of Rural Health.

Davis just concluded her three-year term as the Chair for the Community and Resource Development committee for the Southern Program Leaders network. She also serves on APLU's Commission on Economic and Community Engagement Executive Committee.

Davis earned her bachelor's degree from Skidmore College and Ph.D. degree from North Carolina State University.



Regional
Excellence in
Extension Awards
for an Individual

2022

1890S REGION

Angela Williams

*4-H Youth Development Specialist
Alabama A&M University*

Angela Williams is Alabama Cooperative Extension System's specialist for Alabama 4-H at Alabama A&M University. She is responsible for developing, leading and implementing curriculum-based youth development programs across Alabama. Dr. Williams has a proven track record of success with grant writing, which has led to extensive funding for 4-H programs in underserved communities.



Prior to joining the Alabama Cooperative Extension System, Dr. Williams has served as an Assistant Professor of Elementary Education at Alabama A&M University, lecturer at the University of Alabama at Huntsville, adjunct professor at The University of West Alabama and The University of Alabama. She began her educational career as a middle school teacher and reading coach with Huntsville City Schools. Dr. Williams is also a veteran of the United States Army. Her area of research and publications focus on reading comprehension instruction, struggling readers and quality professional development for teachers of reading.

She earned a Doctorate of Education Degree from the University of Alabama, and Educational Specialist, Masters and Bachelor's Degrees from Alabama A&M University.

NORTH CENTRAL REGION

Christian Butzke

*Senior Extension Specialist
Manager of Volunteer Services
Michigan State University*

Christian Butzke, Extension enologist and a professor of food science, Purdue University, has been selected as the recipient of the 2022 USDA-NIFA/ECOP North Central Region's "Excellence in Extension" award.



Dr. Butzke has taught wine production and appreciation for modern and historic agriculture to more than 8,000 undergraduate, and countless continuing education students. His Extension responsibilities include the teaching of a wide variety of professional education programs in enology, such as the online Purdue Winemaking Certificate. His use-inspired research has contributed greatly to the sustained growth and economic impact of the \$220 billion American wine industry. As a LEAD21 alumnus and Purdue's first Innovation & Entrepreneurship Fellow, he is leading the way for a modernized role for Cooperative Extension as the land-grant university system's technology transfer platform.

At University of California-Davis, Dr. Butzke co-founded the Joint Burgundy-California-Oregon Winemaking Symposia and served on the managing committee for the wine industry's largest trade show and conference, the Unified Wine & Grape Symposium. He is co-founder of the National Science Foundation-supported start-up VinSense, a software company that provides vineyard management decision-support through real-time, soil maps, and modeling of soil and climate effects on fruit composition and quality.

He is a past-president of the American Society for Enology and Viticulture, the winemakers' professional guild, and was chief judge of the Indy International, the largest scientifically organized wine competition in the US.

Butzke received his bachelor's, master's, and Ph. D. at the Technische Universität Berlin, University of Excellence, Germany.

NORTHEAST REGION

Nila Cobb

*Science, Technology, Engineering, and Mathematics
State Specialist*

4-H Youth Development Program

West Virginia University

Associate Professor Nila Cobb, MSW, utilizes her combination of experience, passion, and education to effectively engage underserved youth in health programming. With over 36 years of experience working directly with youth, Ms. Cobb has served as Extension Specialist in Health Promotion and Youth At-Risk for 7 years and previously as a county 4-H agent for 15 years for West Virginia University (WVU) Extension. She coordinates statewide efforts to support the health and wellbeing of youth, with an intentional focus on underserved audiences. Her leadership in this area includes obtaining and managing over 3 million dollars in grants including more than 10 years of sustained funding from National 4-H Health Rocks, National 4-H Mentoring, and the USDA/NIFA CYFAR Sustainable Communities Program.

Ms. Cobb serves in leadership roles at the state and national level. In West Virginia, she serves as co-chair of the Diversity and Inclusion Belonging Committee for Youth Belonging, co-chair of the Statewide Resilience and Recovery Taskforce, and has served as Assistant to the Director of the West Virginia Statewide Afterschool Network. Nationally, Ms. Cobb represents West Virginia as the Urban Coordinator for the National Urban Extension Leaders, and as a leadership team member for the West Virginia team for Coming Together for Racial Understanding.

A relentless force for increasing equity in youth programming her work resulted in meaningful changes for youth and families across the state and nationally. Her passion drives her persistent advocacy of underserved youth.

Cobb received a bachelor's degree from Marshall University and master's from University of Kentucky.



SOUTHERN REGION

Paul Fisher

*Nutrient Management Specialist
and Regents Professor*

Oklahoma State University

Paul Fisher is a professor and floriculture extension specialist at the University of Florida (UF). His program focuses on water quality and fertilizer management, transplant production, and modeling of plant growth in greenhouses and indoor vertical farms.



Fisher led development of an online extension platform that has been adopted as the standard across UF/IFAS Extension. He initiated Greenhouse Training Online, which is an award-winning series of Extension professional training courses in English and Spanish that has grown to 800 registrants annually. He is now collaborating with other land grant Extension programs to coordinate online curricula.

He is the Extension lead of a multi-state program, CleanWaterR3.org, focused on water treatment and conservation. He provides advice on water treatment and fertilizers for greenhouse, nursery and indoor vertical farm growers nationally and internationally.

Fisher is a leader of the Floriculture Research Alliance (FRA), which is a network of 40 horticulture companies, five universities, and USDA-ARS. The FRA has been featured nationally as a model university/industry consortium for research and Extension, and provides the core stakeholder group for input to Fisher's Extension programming.

He travels extensively to provide Extension consulting and is committed to empowering Spanish-speaking and international horticulture staff by providing access to Extension knowledge.

Fisher received a bachelor's from the University of Auckland and master's from Lincoln University in New Zealand, and a Ph.D. from Michigan State University.



National
Diversity in
Extension
Award

2022



Latinx Agricultural Network

Pennsylvania State University

The Latinx Agricultural Network (LAN) is a Community of Practice at Pennsylvania State University that was created to address an increasing regional and national issue involving a growing underserved population, the Latinx community. Nationally, the U.S. population grew by 22.7 million during the last decade and Hispanics accounted for 51% of that increase. In Pennsylvania, Latinx population surpassed 1 million in that same period, accounting for a 43% increase.

LAN brought together members from across the College of Agricultural Sciences and Extension, industry, and Latinx community to adapt, and advance programming and services to tackle this new demographic reality.

The goal is to ensure Latinx operators, farmers, workers, and their families in Pennsylvania and beyond receive the best extension services that Penn State has to offer, and their needs are met using comprehensive strategies, language and cultural appropriate science-based information.

A multidisciplinary team of over 110 faculty, educators, administrators, students, and grassroots advisors are working hand-to-hand to assess, evaluate, adapt, and amplify future services, outreach and education efforts across disciplines spanning from plant science and farm safety to 4-H and family health & nutrition.

Members of this group are closer to achieve outreach excellence with an agricultural network that supports their work and provides expert input while servicing and developing bilingual programming. LAN serves as a resource and as a model for those institutions seeking to replicate same efforts, spur additional innovation, and enhance the livelihood of Latinx communities across the nation.

More information can be found at <https://agsci.psu.edu/diversity/latinx-agricultural-network> and <https://www.facebook.com/PennStateAgriculturaEnEspanol>

ROLL OF RECIPIENTS

Excellence in Extension Awards (2008–2021)

NATIONAL TEAM AWARD

AES NC3169: EFNEP-Related Research,
Program Evaluation, and Outreach
Colorado State University
Michigan State University
Rutgers, the State University of New Jersey
South Dakota State University
Texas A&M University
University of Arkansas
University of Arkansas at Pine Bluff
University of California
University of Connecticut
University of Florida
University of Idaho
University of Kentucky
University of Maine
University of Maryland
University of Tennessee
Washington State University

NATIONAL INDIVIDUAL AWARD

Elizabeth L. Andress
The University of Georgia, 2012

G. A. 'Art' Barnaby, Jr.
Kansas State University, 2009

Ann Allgood Berry
University of Tennessee, 2021

Barbara Chamberlin
New Mexico State University, 2011

Alison F. Davis
University of Kentucky, 2022

Matthew J. Devereaux
University of Tennessee, 2019

Jeffrey T. Edwards
Oklahoma State University, 2013

James D. Ellis (Jamie)
University of Florida, 2020

Stephen D. Green
Texas A&M University, 2016

Robert L. Kallenbach
University of Missouri, 2014

Lesia Oesterreich
Iowa State University, 2018

Joe Outlaw
Texas A&M University, 2015

Louie Rivers, Jr.
Kentucky State University, 2017

Marilyn J. Smith
University of Nevada, 2008

Alison Van Eenennaam
University of California, Davis, 2010

1890'S REGION INDIVIDUAL AWARD

Dorothy P. Brandon
Alabama A&M University, 2019

Fitzroy 'Roy' D. Bullock
Tennessee State University, 2009

Kevin Crenshaw
Alabama A&M University, 2012

Jason de Koff
Tennessee State University, 2018

Michelle L. Eley, Ph.D.
North Carolina A&T State University, 2021

Henry English
University of Arkansas at Pine Bluff, 2014

Karnita Golson-Garner
Alabama A&M University, 2016

Sanjun Gu
North Carolina A&T State University, 2020

David Heikes
University of Arkansas at Pine Bluff, 2010

Marion F. Simon
Kentucky State University, 2013

Claudette L. Smith
*North Carolina Agricultural and
Technical State University, 2011*

Nathan M. Stone
University of Arkansas at Pine Bluff, 2008

Misty Blue-Terry
*North Carolina Agricultural and Technical
State University, 2017*

Angela R. Williams
Alabama A&M University, 2022

Virginie Zoumenou
University of Maryland Eastern Shore, 2015

NORTH CENTRAL REGION INDIVIDUAL AWARD

William J. Angell
University of Minnesota, 2009

Lisa Bottomley
Michigan State University, 2020

Nozella L. Brown
Kansas State University, 2016

Christian E. Butzke
Purdue University, 2022

John DeFrain
University of Nebraska–Lincoln, 2010

Kevin Erb
University of Wisconsin–Extension, 2017

Rick Funston
University of Nebraska–Lincoln, 2014

Julie Garden-Robinson
North Dakota State University, 2015

Kimberly A. Greder
Iowa State University, 2013

Kathleen A. Lodl
University of Nebraska–Lincoln, 2011

Joe D. Luck
University of Nebraska, 2018

Ashley L. Mueller
University of Nebraska–Lincoln, 2021

Richard J. Rasby
University of Nebraska–Lincoln, 2008

Dianne E. Shoemaker
The Ohio State University, 2019

Fred Whitford
Purdue University, 2012

NORTHEAST REGION INDIVIDUAL AWARD

Chester Arnold
University of Connecticut, 2009

Chet Arnold
University of Connecticut, 2017

Elaine Bowen
West Virginia University, 2013

Nila S. Cobb
West Virginia University, 2022

Harry Crissy
The Pennsylvania State University, 2021

Molly E. Donovan
University of New Hampshire, 2018

Jerome L. Frecon
Rutgers, The State University of New Jersey, 2008

Elizabeth “Betsy” Greene
University of Vermont, 2011

Gordon C. Johnson
University of Delaware, 2019

Chad Ripberger
Rutgers, The State University of New Jersey, 2010

Jen Robertson-Honecker
West Virginia University, 2020

Richard W. Taylor
University of Delaware, 2016

Richard W. VanVranken
Rutgers, The State University of New Jersey, 2014

Changlu Wang
Rutgers, The State University of New Jersey, 2015

SOUTHERN REGION INDIVIDUAL AWARD

Stanley Culpepper
The University of Georgia, 2016

Damona Doye
Oklahoma State University, 2017

R. Dwayne Elmore
Oklahoma State University, 2018

Paul R. Fischer
University of Florida, 2022

Clark D. Garland
University of Tennessee, 2010

Denise M. Holston-West
Louisiana State University, 2013

John S. Jacob
Texas A&M University, 2014

Robert C. Kemerait, Jr.
University of Georgia, 2021

Garry D. Lacefield
University of Kentucky, 2008

Mark L. McFarland
Texas A&M University, 2009

Derrell S. Peel
Oklahoma State University, 2015

Mark Peterson
University of Arkansas, 2019

Tom A. Vestal
The Texas A&M University System, 2012

Lisa Whittlesey
Texas A&M University, 2011

Hailin Zhang
Oklahoma State University, 2020

**WESTERN REGION
INDIVIDUAL AWARD**

Michael Bondi
Oregon State University, 2010

Mary E. Burrows
Montana State University, 2012

Daniel L. Fagerlie
Washington State University, 2009

Ana Lucia Fonseca
Oregon State University, 2021

Marsha A. Goetting
Montana State University, 2017

Brian J. Higginbotham
Utah State University, 2013

Paul A. Hill
Utah State University, 2020

Dana Martin
Oregon State University, 2015

Donald B. Meehan
Washington State University, 2008

Terry Allan Messmer
Utah State University, 2016

Madeleine Sigman-Grant
University of Nevada Cooperative Extension, 2014

David G. Schramm
Utah State University, 2019

Michael P. Vogel
Montana State University, 2011

ROLL OF RECIPIENTS

National Diversity in Extension Awards (2008–2020)

Cesar Asuaje <i>University of Florida, 2014</i>	People of the Land <i>University of Nevada, 2011</i>
Attitudes for Success Youth Leadership Program <i>Oregon State University, 2017</i>	Rural Agricultural Improvement and Public Relations Project <i>New Mexico State University Cooperative Extension Service, 2008</i>
Coming Together for Racial Understanding Team <i>See list of universities at https://bit.ly/CTRUTeam, 2021</i>	Texas Grow! Eat! Go! (TGEG) Program <i>Texas A&M AgriLife Extension Service, 2015</i>
Ronald B. Cox, Jr. <i>Oklahoma State University, 2018</i>	The University of California Small Farm Program <i>2010</i>
4-H Center for Youth Development <i>University of Missouri, 2020</i>	UC ANR 4-H Youth Development Program IDI Qualified Administrators <i>University of California, 2016</i>
Susan Given-Seymour <i>Northwest Indian College Cooperative Extension, 2013</i>	Michael P. Vogel <i>Extension Tribal Housing & Health Program Montana State University, 2012</i>
Hector Mendiola <i>Utah State University, 2009</i>	
Juntos and Abriendo Caminos Work Teams <i>Iowa State University, 2019</i>	

UNIVERSITIES OF EXCELLENCE

As recognized by the Excellence in Extension Awards

University of Nebraska–Lincoln (8)	University of California, Davis (2)
Texas A&M University (7)	University of Delaware (2)
Rutgers, The State University of New Jersey (6)	West Virginia State University (2)
University of Nevada, Reno (5)	Clemson University (1)
Oklahoma State University (5)	Colorado State University (1)
University of Arkansas at Pine Bluff (5)	Louisiana State University (1)
North Carolina A&T State University (4)	Michigan State University (1)
University of Florida (4)	New Mexico State University (1)
University of Kentucky (4)	North Dakota State University (1)
University of Tennessee (4)	South Dakota State University (1)
Washington State University (4)	The Pennsylvania State University (1)
Montana State University (3)	University of Arkansas (1)
Oregon State University (3)	University of Idaho (1)
Tennessee State University (3)	University of Maine (1)
The University of Georgia (3)	University of Maryland (1)
Utah State University (3)	University of Maryland Eastern Shore (1)
University of Connecticut (3)	University of Minnesota (1)
Alabama A&M University (3)	University of Missouri–Columbia (1)
Iowa State University (2)	University of New Hampshire (1)
Kansas State University (2)	University of Vermont (1)
Kentucky State University (2)	University of Wisconsin (1)
Purdue University (2)	West Virginia University (1)

UNIVERSITIES OF EXCELLENCE

As recognized by the Diversity in Extension Awards

University of California (4)	New Mexico State University (1)
Oregon State University (3)	Northwest Indian College (1)
The Pennsylvania State University (3)	Oklahoma State University (1)
Utah State University (3)	Purdue University (1)
Michigan State University (2)	Texas A&M University (1)
Mississippi State University (2)	University of Florida (1)
The Pennsylvania State University (2)	University of Illinois at Urbana–Champaign (1)
University of Missouri (2)	University of Maine (1)
Cornell University (1)	University of Minnesota (1)
Iowa State University (1)	University of Nebraska (1)
Lincoln University (1)	University of Nevada (1)
Montana State University (1)	University of Wisconsin (1)



National
Excellence in
Multistate
Research Award

2022

S-1069: Research and Extension for Unmanned Aircraft Systems (UAS) Applications in U.S. Agriculture and Natural Resources

Administrative Advisor: Randy Raper, Oklahoma State University
Technical Committee Chair: Lav Khot, Washington State University

Using Drones in Agriculture and Natural Resources

In order to maximize resilience and productivity, researchers, farmers, and natural resource managers need to know how plants and animals—and landscapes as a whole—are affected by changing environmental conditions and other stressors. This knowledge enables farmers and natural resource managers to respond quickly to stressors with appropriate, targeted mitigation tactics. This knowledge also guides researchers as they breed tougher plants and animals and develop better management practices and tools.

Remote sensing with drones—unoccupied or unmanned aerial systems—offers a promising new way to characterize landscapes, individual plants and animals, and their various stressors; however, regulations, costs, limited research and education, etc. have kept drones from being widely used for agriculture and natural resources.

Since 2016, land-grant university researchers and educators have collaborated with farmers and other partners to increase adoption of drones for remote sensing and precise management of agriculture and natural resources. Working together as a multistate project has had many benefits. Regular communication fosters creativity and productivity and primes the group to respond quickly to emerging issues. With diverse expertise and members in multiple states, the team can test drones in a wide variety of real-world agriculture situations. In contrast, most prior research has focused on drone use in a single field or a specific crop or stressor. Sharing information, equipment, and other resources also helps overcome the limited capacity of a single institution. Coordination spreads the workload, reduces duplication, and lowers some costs. The multistate approach also expands outreach and education opportunities. In particular, with members at many universities, the team can tackle the lack of education in the classroom and among other researchers and Extension agents.

Over the past five years, this project has evaluated and identified reliable, cost-effective, and user-friendly drone platforms and sensors for monitoring and managing stressors in agriculture and natural resources. To maximize the accuracy of the data collected, project members have developed hardware, software, and detailed protocols for calibrating and using drones. New drone-based strategies are helping address many different issues in agriculture. For example, researchers developed drones to scout pests and apply targeted treatment in fruit, nut, and row crops. These industries face major pest issues that are exacerbated by declining labor availability and increasing consumer demand for fewer chemical inputs; drones can help overcome these challenges. Other scientists designed drone systems to monitor plant water stress, which helps farmers target irrigation, and drones to help manage pastured livestock by assessing forage quality, detecting stray herds, and creating 3D renderings of animals to calculate market value. The project's drones are also being used to evaluate the responses of various genotypes to various stressors and identify plants for crop breeding programs. Drones are less labor-intensive, faster, and can screen more plants than manual screening and they are enabling new types of measurements and biological discoveries.

Drones developed for use in agriculture have also had impacts beyond the field. For example, after a tornado destroyed a nearby Native American historical site, university scientists used their drones to create 3D models of the site. These models will help tribe members reconstruct the site.

Project members at multiple universities have expanded the use of drones in natural resource management. For example, trainings taught forest land managers how to use drones for less labor-intensive estimates of timber



Dr. Lav Khot and his graduate students at Washington State University demonstrate a drone-sprayer they developed for vineyards and orchards during the S1069 annual meeting. S1069 project members Dr. Joe Maja (Clemson University) and Dr. Alex Thomasson (Mississippi State University) are also pictured. Photo by Dr. Maria Balota, Virginia Tech.



Clemson University researchers test a drone that can be used to scan radio frequency identification tags on pots in plant nurseries for quick, accurate inventory. Currently, researchers are evaluating the best tag placement and drone flight plans. Photo by Joe Mari Maja, Clemson University.



Basavaraj Amogi briefs S1069 project members on a weather profile mapping drone system. Photo by Lav Khot, Washington State University

value. Other scientists designed drones to help monitor water quality on a large-scale and provide higher resolution data for flood risk models and water resource management.

Drone sensing systems generate a lot of data. To help users manage the data they collect, this group developed an easy-to-use digital logbook for drone operations. Their multidisciplinary expertise helped ensure that the logbook has the right features for a variety of users.

Since the project began, members have been sharing their knowledge and tools widely. They have developed fact sheets to help stakeholders understand the regulations and licensing required for drone use and led workshops on risk management for current and potential drone users. They have developed numerous Extension programs and materials as well as many digital resources like websites, videos, and datasets. Altogether, project members have produced over 100 peer-reviewed publications, which have been cited widely by the global research community. In addition, they have published industry magazine articles that reached thousands of readers in multiple countries and contributed to popular press articles. Project members have also shared findings, technology, and resources at regional, national, and international conferences and at technical sessions at meetings of professional associations, including the American Society of Agricultural and Biological Engineers.

Over the years, this group's multistate, multidisciplinary research and outreach have helped overcome barriers and accelerate broader use of drones in agriculture and natural resources. By efficiently collecting large amounts of data, drone use can result in better decision making, greater advances in plant and animal breeding, and more profitable and sustainable management.

This project, S1069: Research and Extension for Unmanned Aircraft Systems (UAS) Applications in U.S. Agriculture and Natural Resources is supported in part by the Hatch Multistate Research Fund administered by USDA-NIFA and by grants to participating institutions. Since 2016, this project has leveraged an estimated \$35 million in competitive funding for research and Extension. In 2021, NIFA renewed S1069 funding through 2026. Participating institutions include: Auburn University, University of Arkansas, Clemson University, Cornell University, University of Florida, University of Georgia, University of Illinois at Urbana-Champaign, University of Kentucky, Louisiana State University, Mississippi State University, Montana State University, North Carolina State University, North Dakota, Ohio State University, Purdue University, Rutgers University, Stephen F. Austin State University, University of Tennessee, Texas A&M University, Virginia Polytechnic Institute and State University, and Washington State University. Learn more: bit.ly/S1069

This write-up was produced by the Multistate Research Fund Impacts Program. Learn more: <https://www.mrfimpacts.org/>



Dr. Lav Khot offers hands-on education on drone system integration to graduate students at Washington State University. Photo courtesy of Washington State University.



Cornell University researchers Dr. Katie Gold, Tian Qiu, and Maylin Murdock test drone imaging for disease detection in vineyards. Photo courtesy of Cornell University.

NATIONAL EXCELLENCE IN MULTISTATE RESEARCH AWARDS

Soil, Water, and Environmental Physics to Sustain
Agriculture and Natural Resources (W-4188),
2021

Social, Economic and Environmental Causes and
Consequences of Demographic Change in
Rural America (W-4001), 2020

Enhancing Microbial Food Safety by Risk Analysis
(S-1056), 2019

Drainage Design and Management Practices to
Improve Water Quality (NCERA-217), 2018

Water Management and Quality for Ornamental
Crop Production and Health (NC-1186), 2017

Fly Management in Animal Agriculture Systems
and Impacts on Animal Health and Food Safety
(S-1060), 2016

Improving Sustainability in Fruit Tree Production
through Changes in Rootstock Use (NC-140),
2015

Microirrigation for Sustainable Water Use
(W-2128), 2014

Sweet Potato Collaborators Conference (SERA-5),
2013

Response to Emerging Threat: Soybean Rust
(NCERA-208), 2012

Improving the Sustainability of Livestock and
Poultry Production in the United States
(S-1032), 2011

Biological Improvement of Chestnut through
Technologies that Address Management of the
Species, its Pathogens, and Pests (NE-1033),
2010

Biology, Impact, and Management of Soybean
Insect Pests in Soybean Production Systems
(S-1039), 2009

Porcine Reproductive and Regulatory Disease:
Methods for the Integrated Control, Prevention,
and Elimination of PRRS in United States
Swine (NC-229), 2008

REGIONAL EXCELLENCE IN MULTISTATE RESEARCH AWARDS

NORTH CENTRAL

Soybean Diseases (NCERA137)

Daren Mueller, Technical Committee Chair
Marty Draper, Administrative Advisor

PARTICIPATING INSTITUTIONS

University of Arkansas
University of Delaware
University of Georgia
University of Illinois at Urbana-Champaign
Purdue University
Iowa State University
Kansas State University
University of Kentucky
Louisiana State University
Michigan State University
University of Minnesota
Mississippi State University
University of Nebraska-Lincoln
North Dakota State University
The Ohio State University
University of Tennessee
Virginia Polytechnic Institute and State University
University of Wisconsin

NORTHEAST REGION

Outdoor Recreation, Parks and Other Green Environments: Understanding Human Community Benefits and Mechanisms (NE1962)

Sohyun Park, Technical Committee Chair
Matthew Wilson, Administrative Advisor

PARTICIPATING INSTITUTIONS

University of Alaska-Fairbanks
University of Connecticut-Storrs
Cornell University
University of Florida
Mississippi State University
University of Missouri-Columbia
Northern Arizona University
University of Northern Iowa
The Ohio State University
University of Rhode Island
Texas A&M University
Virginia Polytechnic Institute and State University
West Virginia University
University of Wisconsin

SOUTHERN REGION

S1074 Future Challenges in Animal Production Systems: Seeking Solutions through Focused Facilitation

Lide Chen, Technical Committee Chair
Wendy Powers, Administrative Advisor

PARTICIPATING INSTITUTIONS

University of California-Davis
University of Arkansas
Cornell University
University of Georgia
University of Idaho
University of Illinois at Urbana-Champaign
Iowa State University
Michigan State University
University of Minnesota
University of Missouri
University of Nebraska-Lincoln
North Carolina State University
North Dakota State University
The Ohio State University
Oklahoma State University
South Dakota State University
Texas A&M University
Virginia Polytechnic Institute and State University
University of Wisconsin

WEST

Parental practices supporting positive eating behaviors during independent eating occasions among early adolescent children (W4003)

Alex Kojo Anderson, Technical Committee Chair
Wendy Powers, Administrative Advisor

PARTICIPATING INSTITUTIONS

Baldwin Wallace University
Brigham Young University
District of Columbia University
George Washington University
University of Georgia
University of Hawaii
Kansas State University
University of Minnesota
The Ohio State University
Oregon State University
University of Wyoming



Experiment Station
Section National
Excellence in
Leadership Award

2022

1890 RESEARCH DIRECTORS (ARD)

Moses T. Kairo

Dean and Director of Land Grant Programs, School of Agricultural and Natural Sciences, University of Maryland Eastern Shore

Moses Thairu Kairo was appointed professor, dean and Director of Land Grant Programs in the School of Agricultural and Natural Sciences at the University of Maryland Eastern Shore (UMES) in 2012. He provides leadership to UMES Research and Extension efforts in agriculture, natural resources and the environment as well as three academic departments. He is also the Director of the 1890 Center of Excellence for Global Food Security and Defense. Prior to joining UMES, Kairo spent nearly seven years at Florida A&M University as a professor of entomology and director of the Center for Excellence in Biological Control, and as the associate research director for 1890 programs.



Kairo started his career as an entomologist in 1985 with the Kenya Agricultural Research Institute before joining what is now known as CABI, where he served in various capacities, starting as an entomologist at CABI's base in the United Kingdom and culminating with leadership of the organization's activities in the Caribbean and Latin America region. Kairo is also a courtesy professor in the Department of Entomology and Nematology at the University of Florida. His research interests have focused on biological control, invasive species management and crop protection. He has secured many grants and published his work widely.

Kairo continues to serve the land-grant community through various bodies or committees of the APLU BAA. He is past Chair of ESCOP and has served as secretary and chair of ARD.

Kairo has gained a reputation of being a steadfast, no nonsense, yet effective leader.

Kairo earned a B.S. degree with First Class Honors in zoology from the University of Nairobi, Kenya, an M.S. degree with distinction in applied entomology from Imperial College, London, and Ph.D. in entomology from the University of London.

NORTH CENTRAL REGION

David A. Benfield

Retired Associate Vice President of Agricultural Administration and Director of the Wooster Campus, College of Food, Agricultural and Environmental Sciences and Associate Director, Ohio Agricultural Research and Development Center, The Ohio State University

Benfield is known for his thorough, thoughtful, timely, quality, and comprehensive approaches with his responsibilities and 'volunteer' engagements. As a leader, his colleagues firmly count on him to simply get the job done, selflessly, whenever he commits to a project. Dave's contributions have been numerous and with long-lasting impacts.



Benfield's was principal in planning the recovery of the Wooster Campus from a 2010 tornado that caused \$30 million in damages to the infrastructure at the Ohio Agricultural Research and Development Center. He also developed a 10-year capital plan for the campus, which included the development of a 25,000 ft², \$22 M Plant and Animal Agrosecurity Research Facility, and he was the lead on several processes of consolidation, central management and visioning for research farms, animal facilities and outlying research stations.

Benfield served as the Vice Chair and Chair of NCRA, member and chair of the Multistate Review Committee and Chaired the Executive Committee that hired the current NCRA Executive Director. He served as the Administrative Advisor of five Multistate Research Committees, including the NC229, of which he was the principal founder and first chair. This NC Committee was the first recipient of the Excellence in Multistate Research Award.

Nationally, he served as the NCRA representative on the ESS Budget and Legislative Committee; ESS Multistate Research Impact Statements; LEAD 21 Board Member representing ESS; and the NC representative to the NRSP 9 committee. Benfield was also principal founder and chair of SERA42 to continue networking and discussions of food systems among LEAD21 and FSLI graduates.

Dr. Benfield received several honors for his research in the swine and veterinary industry. Benfield earned B.S. and M.S. degrees from Purdue University and a Ph.D. from the University of Missouri-Columbia.

NORTHEASTERN REGION

Jody Jellison

Director, Center for Agriculture, Food, and the Environment, Massachusetts Agricultural Experiment Station, Massachusetts Extension Service, and Assistant Vice Chancellor for Research and Engagement, University of Massachusetts

Jody Jellison provides leadership for all agricultural and environmental research and outreach initiatives, government grants and contracts for agricultural initiatives, and interaction with federal and state government entities on agricultural issues in her current positions at the University of Massachusetts.



Jellison joined the faculty at the University of Maine and held various leadership positions including Experiment Station Coordinator, Assistant Director for Biological Sciences and Biotechnology, Interim Associate Director of the Maine Agricultural and Forest Experiment Station, and Director of the School of Biology and Ecology. Jellison was then appointed Associate Director of the Virginia Agricultural Experiment Station, where she held the position until 2016 when she moved on to serve in her current roles.

Jellison has served as one of NERA's thought leaders and the moral compass for the association. Jellison's imaginative approaches and fiercely independent perspective were important guideposts for the operation and deliberations of the regional association. Jellison served as chair of NERA and led during a period of change as Northeastern institutions underwent a dramatic transformation in the leadership of colleges of agriculture and agricultural experiment stations. While NERA experienced leadership changes in its membership, Jody stayed on NERA's Executive Committee for two additional terms to ensure continuity and to extend mentorship to new directors joining NERA.

As a passionate supporter of research, Jellison played critical roles on behalf of the Experiment Station Section. She served on ESCOP, the Board on Agricultural Assembly, and chaired ESCOP's Science and Technology Committee.

Jellison earned a B.S. degree from the University of New Hampshire, M.S and Ph.D. degrees in Plant Pathology and Plant Virology from Oregon State University, and a postdoctoral fellowship in Immunology, Molecular Plant Biology, and Economic Botany from Harvard University.

SOUTHERN REGION

Jean-Francois "JF" Meullenet

Senior Associate Vice President for Agriculture-Research, Director of the Arkansas Agricultural Experiment Station, and Interim Dean of the Dale Bumpers College of Agricultural, Food and Life Sciences, University of Arkansas

Jean-Francois "JF" Meullenet serves as the Senior Associate Vice President for Agriculture-Research, Director of the Arkansas Agricultural Experiment Station, and Interim Dean of the Dale Bumpers College of Agricultural, Food and Life Sciences at the University of Arkansas. During his 26+ year tenure at the University of Arkansas, he has served as the Head of the Department of Food Science, Director of the Institute of Food Science and Engineering, and Professor of Sensory Science.



Meullenet has served SAAESD and ESS/ESCOP in numerous roles, including SAAESD Chair, Executive Committee member, Treasurer, and Joint Cotton Breeding Committee representative. At the national level, he is Communications and Marketing Committee chair and an ESCOP executive committee member. Further, he has served as an advisor for SERA, as well as Multistate and interregional projects. He is an administrative advisor for the Delta Region Farm Management and Agricultural Policy Working Group and provides administrative support for projects focused on specialty crops, food systems, and the U.S. potato gene bank.

Meullenet possesses great organizational skills and an outstanding work ethic, which has served the regional and national organizations well during a very difficult time. Meullenet's passion for agriculture, and especially the southern region, is evident in all that he does. He is laser focused on meeting the growing and changing needs of Arkansas agriculture and the Agricultural Experiment Station. He recognizes that we cannot be as effective alone as we can be as active members of SAAESD and ESS. Our accomplishments will be measured, in large part, by collaborative efforts and a teamwork approach, which Meullenet models daily.

Meullenet earned an M.S. degree in Food Engineering from the National Superior School of Agronomy and Food Science in Nancy and a Ph.D. in Food Science and Technology from the University of Georgia.

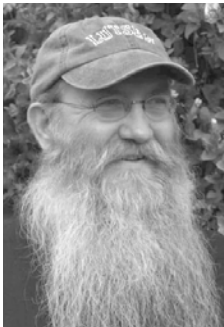
WESTERN REGION

Milan P. Shipka

Retired Director, Agricultural and Forestry Experiment Station, Institute of Agriculture, Natural Resources, and Extension, University of Alaska Fairbanks

Milan Shipka has been a compassionate leader at the University of Alaska Fairbanks and has embodied the Land Grant Mission in research, teaching, and Extension. Shipka joined the faculty at UAF in July 1999 as the Extension Livestock Specialist and Animal Scientist, a career that brought recognition in all three mission areas of the land grant university. His research on reindeer and musk ox is internationally recognized with several unique discoveries in both species. His teaching activity included course development in animal science and sustainable agriculture. His Extension program reached stakeholders across the state of Alaska and assisted livestock producers on farms and ranches. Shipka was extraordinarily successful in grantsmanship with applications in research, teaching, and Extension.

In 2003, Shipka became department chair of High Latitude Agriculture. In 2007 he became program chair for Agriculture Extension concurrent to department chair responsibilities. In 2015 Shipka became



Experiment Station director, taking on additional responsibilities in 2019 as Cooperative Extension Service director and director of the newly formed Institute of Agriculture, Natural Resources, and Extension at UAF. He continued to serve all three directorships until his retirement in June 2021.

Shipka served leadership roles in Alaska and regionally, nationally, and internationally. Notable leadership roles include chair of the Western Association of Agricultural Experiment Station Directors (WAAESD), chair of Western Extension Leadership Development (WELD), International President of Circumpolar Agriculture Association (CAA), and advisor for several multi-state research projects. He continues to serve on the Executive Committee of the USDA Western Sustainable Agriculture Research and Education (WSARE) and is principal investigator of the USDA ARS Cooperative Agreement with UAF, Collaborative Food Production Systems Research.

Shipka earned a B.S. degree from the University of Minnesota, an M.S. from Iowa State University, and a Ph.D. from Utah State University.

NATIONAL EXCELLENCE IN LEADERSHIP AWARDS

Barbara Allen-Diaz <i>University of California System (W), 2016</i>	Ian L. Maw <i>APLU (NE), 2018</i>
Conrad Bonsi <i>Tuskegee University (ARD), 2021</i>	Orlando F. McMeans <i>West Virginia State University (ARD), 2017</i>
Carolyn B. Brooks <i>1890 Research Directors (ARD), 2014</i>	Bruce McPherson <i>The Pennsylvania State University (NE), 2014</i>
William (Bill) Brown <i>University of Tennessee (S), 2016</i>	J. Ernst (Ernie) Minton <i>Kansas State University (NC), 2017</i>
Douglas D. Buhler <i>Michigan State University (NC), 2018</i>	Saied Mostaghimi <i>Virginia Polytechnic Institute and State University (S), 2019</i>
Fred Cholicik <i>Kansas State University (NC), 2015</i>	Craig Nessler <i>Texas A&M (S), 2014</i>
Joe P. Colletti <i>Iowa State University (NC), 2019</i>	Mortimer H. Neufville <i>1890 Universities Foundation (ARD), 2019</i>
Cameron Faustman <i>University of Connecticut (NE), 2019</i>	Keith Owens <i>Oklahoma State University, (S), 2021</i>
Robert W. Godfrey <i>University of the Virgin Islands (S), 2020</i>	Ron Pardini <i>The University of Nevada-Reno (W), 2015</i>
Deb Hamernik <i>USDA National Institute of Food and Agriculture, (NCRA), 2021</i>	Alfred L. Parks <i>Prairie View A&M University (ARD), 2020</i>
H. Michael Harrington <i>Western Regional Association (W), 2018</i>	Dan Rossi <i>Northeastern Regional Association (NE), 2016</i>
Bret W. Hess <i>University of Wyoming (W), 2019</i>	John S. Russin <i>Louisiana State University (S), 2018</i>
Walter A. Hill <i>Tuskegee University (ARD), 2016</i>	Frederick A. Servello <i>University of Maine (NE), 2021</i>
Michael P. Hoffman <i>Cornell University-Ithaca (NE), 2015</i>	Adel Shirmohammadi <i>University of Maryland (NE), 2020</i>
George M. Hopper <i>Mississippi State University (S), 2017</i>	Steven Slack <i>The Ohio State University (NC), 2016</i>
Shirley Hymon-Parker <i>North Carolina A&T University (ARD), 2018</i>	Lee Sommers <i>Colorado State University (W), 2017</i>
C. Colin Kaltenbach <i>University of Arizona (W), 2014</i>	John A. Tanaka <i>University of Wyoming (W), 2021</i>
Arlen Leholm <i>North Central Regional Association (NC), 2014</i>	Alton Thompson <i>Delaware State University (ARD), 2015</i>
Marc Linit <i>University of Missouri (NC), 2020</i>	Gary A. Thompson <i>The Pennsylvania State University (NE), 2017</i>
Steven J. Loring <i>New Mexico State University (W), 2020</i>	Eric Young <i>Southern Regional Association (S), 2015</i>



National Experiment
Station Section
Diversity and
Inclusion Award

2022

INDIVIDUAL AWARD

Anna Katharine Mansfield

Cornell AgriTech (The New York Agricultural Experiment Station), Geneva, NY

The 2022 National Experiment Station Diversity, Equity, and Inclusion Award for an individual was presented to Anna Katharine Mansfield, Associate Director of Cornell AgriTech (The New York Agricultural Experiment Station) on September 27, 2022, during the 2022 ESS/CES-NEDA Meeting in Baltimore, MD.



Since Mansfield began leading DEI initiatives at Cornell AgriTech in 2020, she has emphasized the connection between more successful research and extension activities and a diversity of faculty, staff, and students. This diversity goes hand in hand with delivering impactful research and resources to New York state's food and agriculture businesses and communities. To that end, Mansfield has been an institutional agent of change who has fostered the on-going development of an inclusive and equitable work environment at Cornell AgriTech. Importantly, her systematic approach to assess the culture climate at Cornell AgriTech, then develop an action plan to address findings of the "climate survey" is a model program for all experiment stations. Impressively, Mansfield's efforts spans Cornell faculty, staff, and students and Cornell stakeholders. This broad impact clearly indicates that Mansfield's efforts are making a difference towards diversity, equity, and inclusion.

GROUP AWARD

Mississippi Small Farm and Agribusiness Center, Dr. Elizabeth Myles

Associate Director, Alcorn State University, Lorman, MS

The 2022 National Experiment Station Diversity, Equity, and Inclusion Award to a group was presented to the Alcorn State University Mississippi Small Farm and Agribusiness Center, led by Elizabeth Myles on September 27, 2022, during the 2022 ESS/CES-NEDA Meeting in Baltimore, MD.



The goal of the Mississippi Small Farm and Agribusiness Center (MSFAC) is to recruit, train, and equip new and beginning farmers and ranchers with the tools to succeed in agribusiness. Myles and her staff have worked tirelessly, effectively, and efficiently with underserved, small, and limited resource farmers. One of the services delivered by the Center that has been particularly successful is the Farm Management Educational Program. Using a teaching platform of 25 workshops, the program penetrated some 70% of Mississippi's counties targeting limited resource producers, retired and disabled veterans, socially disadvantaged producers, and women producers. Importantly, agricultural research was a key element of the training program. While the pandemic provided a catalyst for moving instruction to a virtual format program delivery system, this program was the first online course for new, beginning farmers and ranchers in Mississippi. The Farm Management Educational Program delivered by the Center has had clear and tangible impacts by building human infrastructure, new instructional delivery models, and best practices for adoption and incorporation into beginning farming endeavors. Clearly, Myles and Mississippi Small Farm and Agribusiness Center are making a difference.

NATIONAL EXCELLENCE IN DIVERSITY AND INCLUSION AWARDS

Anna Katharine Mansfield
Cornell AgriTech (The New York Agricultural Experiment Station), 2022

Elizabeth Myles
Mississippi Small Farm and Agribusiness Center, Alcorn State University, 2022

Shannon Archibeque-Engle
Assistant Vice President for Diversity Office of the Vice President for Diversity Colorado State University, 2021

Carlene Chase, Marilyn Swisher, Oscar Liburd, Jin Zhao, Zhifeng Gao, Alejandro Bolques and Sanjun Gu
Organic Farming Team Horticultural Sciences Department Institute of Food and Agricultural Sciences University of Florida, 2021

Tracy Irani, Jenny Jones, Sharon Austin, Keith Diem, Kelly Moore, Dale Pracht
Diversity and Inclusion Committee Department of Family, Youth and Community Sciences (FYCS) Institute of Food Agricultural Sciences University of Florida, 2020

Jeff Jacobsen
ESS/ARD Diversity Catalyst Committee North Central Regional Association of State Agricultural Experiment Station Directors (NCRA), 2019

Neil Knobloch and Levon Esters
The Mentoring@Purdue Team Purdue University, 2018

2022

**Board on Human
Sciences Awards**

Jo Britt-Rankin

University of Missouri

Ellen Swallow Richards Public Service Award

Jo Britt-Rankin is an Extension Professor in the Department of Health Sciences. In her position, she serves as the Administrative Director for the Supplemental Nutrition Assistance Program Education and Expanded Food & Nutrition Education Program grants which deliver nutrition and health education to all 114 counties and the City of St. Louis with emphasis on vulnerable and underserved audiences. She has held a variety of positions at Mizzou, including graduate instructor, Regional Extension Specialist, State Extension Specialist, Interim Department Chair, Associate Dean and Facilitator for the Mizzou Advantage Food for the Future Initiative.



Britt-Rankin is currently serving as the Past Chair of the APLU Board on Human Sciences (BoHS). From 2012-2014, she served as the Co-Chair of ASNNA: the Association of SNAP Nutrition Education Administrators. From 2018-2020, she served as Treasurer for the Council of Administrators of Family & Consumer Sciences (CAFCS). In 2017, Britt-Rankin received the inaugural Excellence in Administration award awarded by the BoHS and CAFCS.

Britt-Rankin received her bachelor's degree in Human Development & Family Studies from the University of Illinois in 1989. She went on to receive her masters and doctorate degree in Human Nutrition, Foods & Food Systems Management from the University of Missouri—Columbia in 1992 and 2000, respectively.

Anthony J. Ferraro

Kansas State University

Undergraduate Research Mentor Award

Anthony J. Ferraro is an Associate Professor in the Department of Applied Human Sciences at Kansas State University, Manhattan, KS and has been on faculty since 2017. He holds a doctorate in Human Sciences, with a concentration in Human Development and Family Sciences from Florida State University, where he also earned a Graduate Certificate in Measurement and Statistics. His research focuses on adjustment during periods of stress and transition, with an emphasis on divorce and co-parenting relationships.



Ferraro currently serves as one of the co-directors for the Divorce Education Assessment Collaborative, is the Chair of the Family Policy section of the National Council on Family Relations, Treasurer and Conference Co-Chair for the Mid-Central Council on Family Relations, and leads the Families in Transition research lab at Kansas State. His applied work involves program evaluation of parent and relationship education programs, assessment, and curriculum development. He is a member of the editorial boards for both Family Court Review and the Journal of Divorce & Remarriage.

Ferraro has been recognized for his contributions to the mentoring of undergraduate and graduate students by the Advancing Family Science section of the National Council on Family Relations with the 2020 Emerging Mentor/Teacher Award and by the College of Health and Human Sciences at Kansas State University with the 2022 Hulsing Mentoring Prize.

Holly Hatton-Bowers

*University of Nebraska-Lincoln
Outstanding Engagement Award*

Holly Hatton-Bowers is an associate professor in child, youth, and family studies at the University of Nebraska-Lincoln (UNL) and an Early Childhood Extension Specialist. Her primary interests and scholarly activity include co-creating and implementing programs that aim to enhance the quality of early childhood development and care, with a particular focus on mental health, emotional well-being and social-emotional development. These programs include the use of strategies that cultivate reflective practice, social-emotional learning, resilience, mindfulness, and compassion among caregivers, helping professionals and families.



Hatton-Bowers is committed to addressing issues of systemic inequities in early care and education and brings these issues to the forefront of her work. Currently, she is a Principal Investigator for an Administration Children and Families Head Start University Partnership Grant aiming to research the implementation of the Nebraska Extension Cultivating Healthy Intentional Mindful Educators program (CHIME) in Early Head Start and Head Start child care settings using community-based participatory methods. She serves on the IANR Diversity, Equity, Inclusion and Belonging Advisory Group, the UNL Extension's Reaching One, Reaching All team, the Zero to Three Mindfulness Advisory Committee, and co-leads the Nebraska Association for Infant Mental Health with Sami Bradley; advocating for child and family mental health.

Bea Smith

*University of Missouri
Lifetime Achievement Award*

Recruited from North Dakota State University to become the University of Missouri's youngest dean at age 36, Bea Smith retired in 2001 after 25 years of acclaimed leadership. During that tenure, the College of Human Environmental Sciences attained premier national stature through ground-breaking academic programs, relevant research, and vibrant outreach, bringing her recognition as a transformational leader.



Smith was an ardent cheerleader for the adoption of the human sciences terminology and sharply defined contemporary disciplinary specializations that correspond both to human needs and employment sectors. She served as president of the Association of Administrators of Home Economics, the predecessor to APLU's Board on Human Sciences. She was recognized as one of the inaugural Professional Leaders of the American Home Economics Association and was also a member of their board during times of critical growth and change. As chair of its Agency Member Unit accreditation body, she frequently led accreditation reviews. Her roles in the Commission on Food, Environment and Renewable Resources at APLU included chairmanship of the Committee on Legislation and Policy and membership on the Executive and Nominating Committees.

Smith's business, philanthropic and civic engagements and mentoring of women led to her recently receiving an international Athena Award, following her recognition as a Woman of Influence and a Shaker and Mover in her community. In addition to local board engagements, she was one of fewer than 1,000 women in the nation to be a board member of a publicly traded corporation.

2022

**Food Systems
Leadership Institute**

FOOD SYSTEMS LEADERSHIP INSTITUTE 2022 FELLOWS, COHORT 16

Paula Agudelo

*Associate Dean for Research & Experiment Station
Director, College of Agriculture, Forestry and Life
Sciences, Clemson University*

Cindy Akers

*Interim Dean, Davis College of Agricultural Sciences
and Natural Resources, Texas Tech University*

Kimberly Allen

*Interim Associate Dean and Director of Academic
Programs, College of Agriculture & Life Sciences, North
Carolina State University*

Richard Bischoff

*Associate Vice Chancellor for Faculty and Academic
Leader Success, Institute of Agriculture and Natural
Resources, University of Nebraska-Lincoln*

Doze Y. Butler

*Professor, Merchandising, Textiles and Design,
Department of Fisheries and Human Sciences, The
University of Arkansas at Pine Bluff*

Francis Casey

*Associate Director, ND Agricultural Experiment
Station, North Dakota State University*

Courtney Colombo

Section Manager, Abbott Nutrition

Tracy Dougher

*Associate Dean for Academic Programs, College of
Agriculture, Montana State University*

Majed El-Dweik

*Vice President of Research and Economic Development
at Alabama A&M University. Previously served as
Dean/1890 Director, Coop Research and Extension,
College of Agriculture, Environmental and Human
Sciences Professor in Biological Engineering, Lincoln
University of Missouri*

Jason Ellis

*Department Head and Professor, Department of
Communications and Agricultural Education, College
of Agriculture, Kansas State University*

Antomia Farrell

*Associate Dean for Diversity, Equity and Inclusion for
the College of Agriculture, Food and Environment,
University of Kentucky*

Lynette Flage

*Associate Director, North Dakota State University
Extension*

Donald Grebner

*George L. Switzer Professor of Forestry and Department
Head of Forestry, Mississippi State University*

Sarah Lovell

*H.E. Garrett Endowed Chair Professor and Director,
Center for Agroforestry School of Natural Resources
University of Missouri*

Ralph Noble

*Providing leadership for special projects for the College.
Previously served as Dean, College of Agriculture,
Family Sciences and Technology, Fort Valley State
University*

Ami Smith

*Vice President and Dean and Director for Agricultural
Research and Extension, West Virginia State University*

Elizabeth Strand

*Endowed All Creatures Great and Small, Clinical
Associate Professor, Founding Director, Veterinary Social
Work Program, Colleges of Veterinary Medicine and
Social Work, University of Tennessee*

Jeanette Thurston

*College of Agriculture Assistant Dean for Graduate
Programs and New Faculty Development and Director
and Professor, Food Science Institute, Kansas State
University*

Deb VanOverbeke

*Assistant Dean, Academic Programs, Ferguson College of
Agriculture, Oklahoma State University*

Brian Warnick

*Interim Department Head, Department of Technology,
Design and Technical Education. Previously served as
Associate Dean for Academic Programs and Student
Services, College of Agriculture and Applied Sciences,
Utah State University*

Louis Whitesides

*VP & Executive Director of Land Grant Programs,
South Carolina State University*

Wesley L. Whittaker

*Dean and Director of Land Grant Programs, School of
Agriculture and Applied Sciences, Langston University*

De'Shoyn York

*Vice Chancellor, Extension and Outreach, Southern
University Agricultural Research and Extension Center*



