

## Tuesday General Session

### Session: Distinguished Manuscripts

Discussant: David Doerfert

Facilitator: Keith Frost

#### **Quantity vs. Quality: How Do Varying FFA Civic Engagement Programming Structures Influence Students' Civic**

Will Bird, Amanda Bowling, and Anna Ball

#### **“Not If You Want to be Good”: Exploring how Agriculture Teachers Interact with Reified Forms of Success**

Haley Q. Clement, Kellie Claflin, Josh Stewart, Jonathan J. Velez

#### **The Best of Both Worlds: Exploring the Experiences of Alternatively Certified Agriculture Teachers**

Kellie Claflin, Josh Stewart, Haley Q. Clement

#### **Rethinking Resilience: Applications for the Social Sciences of Agriculture, Food, and Natural Resources**

Catlin M. Pauley, Aaron J. McKim, Jennifer Hodbod

#### **Developing Metrics for Predicting Student Motivation to Enroll in a Short-Term Study Abroad Course from an Expectancy-Value-Cost Perspective**

Brandon M. Raczkoski, J. Shane Robinson, M. Craig Edwards, Marshall A. Baker, Sarah R. Gordon, and Ki L. Matlock-Cole

## Day 1 - Wednesday

### Session A: Teacher Characteristics

Discussant: Tre Easterly

Facilitator: Will Doss

#### **Teacher Locus of Control and Teacher Self-Efficacy of Agricultural Educators in Southeast Missouri**

Jessica M. Toombs, Dr. Rob Terry, Jr., Dr. J. Shane Robinson, Dr. Penny Weeks

#### **Preservice Agricultural Education and Secondary Education Teachers' Self-Efficacy and Professional Identity**

Hailey R. Gates, Dr. Catherine W. Shoulders, Dr. Don Johnson, Dr. Don Edgar, Dr. Jessica Blythe

#### **Decision to Enter the Classroom as an Agriculture Teacher: An Exploratory Qualitative Investigation**

Keith J. Frost, Dr. John Rayfield

#### **A Measure of Emotional Intelligence in Texas School-Based Agricultural Educators**

Mr. Cyler Frost, Dr. J. Chris Haynes, Dr. W. Brandon Smith, Dr. Wayne Atchley, Dr. Chandra Andrew

### Session B: Agricultural Education Stakeholders and Integration of STEM

Discussant: Thomas Kipkurgat

Facilitator: Craig Kohn

#### **Examining the Utilization of Volunteers in School-Based Agricultural Education**

Ashley Cromer, Olivia Horning, Michelle Burrows, Dr. Tyson Sorensen, Dr. Rebecca Lawver

**Defining Interdisciplinary Collaboration based on High School Teachers' Beliefs and Practices of STEM Integration Using a Complex Designed System**

Dr. Hui-Hui Wang, Mrs. Mingla Charoenmuang, Dr. Neil, A. Knobloch, Dr. Roger L. Tormoehlen

**Texas High School Counselors Perceptions of Agricultural Education**

Amanda Spacek, John Rayfield, David Lawver, Rudy Ritz

**Identifying Challenges Preservice Teachers Encountered When Teaching Curriculum for Agricultural Science Education (CASE) Coursework During Student Teaching**

Trent Wells, Mark S. Hainline, Scott W. Smalley

**Session C: Preparing Agricultural Teachers**

Discussant: Gaea Hock

Facilitator: Natalie Ferrand

**How Do Preservice Teachers Conceptualize Agricultural Mechanics?**

Rachael Whitehair, Kelsey Sands, Trent Wells, and Mark S. Hainline

**Undergraduate Students' Perceptions of Team-Based Learning During an Introductory Agricultural Mechanics Course: A Mixed Methods Study**

Whitney Figland, Dr. Joey Blackburn, Dr. Richie Roberts

**Preservice Agriculture Teachers Development of Knowledge of Content and Students During Their Student Teaching Experience**

Arthur "AJ" Argueta, Amber H. Rice, Quintin F. Molina, Angela Kaczowka

**Benefits of Using Service-Learning in the Preparation of Teachers: An Analysis of Agricultural Education Teacher Educators' Beliefs and Intentions**

Dr. Richie Roberts, Dr. M. Craig Edwards, Dr. J. Shane Robinson

**Session D: Scientific and Agriculture Literacy**

Discussant: Neil Knobloch

Facilitator: Cara Lawson

**Assessing the Scientific Literacy in Agriculture of Secondary Agricultural Education Students – An Exploratory Study**

Marshall A. Baker, Christopher Eck

**The Effect of Infographics on Recall of Information about Genetically Modified Foods**

Kassie Waller, Dr. Courtney Meyers, Dr. Amber McCord, & Dr. Courtney Gibson

**The Process of Literacy Integration in Agriculture Classrooms: A Grounded Theory**

Laura Hasselquist, Tracy Kitchel

**Assessing the Acceptance of Incorporating Agriculture into Elementary School Curriculum**

Michelle Burrows, Dr. Tyson Sorensen

**Session E: Agricultural Leadership**

Discussant: Cecilia Suarez

Facilitator: Kellie Claflin

**Needs Assessment: Exploring Leadership Needs of a Regional Agricultural Industry to Develop a Collegiate Leadership Program**

Abby Carlson, Dr. Avery Culbertson

**The Relationship between Social Capital and Leadership Styles and Potential Implications for Agricultural Education: A Meta-Analysis**

Zane Sheehan, Shannon Norris, Na Young Ahn, Jihye Oh, Dr. Lori Moore

**Examining Communication Between Florida Agricultural Organization Leaders and Members to Encourage Member Engagement in Agricultural Policy**

Levy George Randolph II, Caroline R. Warwick, Dr. Shelli D. Rampold, Dr. Ricky W. Telg

**Are We Developing Leaders? Connecting Undergraduate Leadership Identities to their Needs and Contexts**

Anna Pratt, RyAnna Meacham, & Dr. Sarah Bush

## Day 2 - Thursday

### Session A: Focus on Secondary Students

Discussant: Tim Buttles

Facilitator: Caitlin Pauley

**Influence of Secondary Agricultural Education Student Supervised Agricultural Experience Participation on Career Decision Self-Efficacy**

Darla Romberger, Daniel D. Foster, John C. Ewing

**Stress of High School Agriscience Students**

Dr. Anna J. Warner, Dr. Brian E Myers

**Completers of a Summer High School Agriculture Residential Program: Where are They Now?**

Abigail Hemby, Brittany Hoover, Jeremy Elliot-Engel, Curtis Friedel

**Overcoming Obstacles: A Quasi-Experimental Examination of Grit and Optimism in Secondary Agricultural Education Leadership Development Event Participants**

Bishal Thapa, McKenna Ford, and Kasee L. Smith

### Session B: In-service Teacher Development

Discussant: Justin Killingsworth

Facilitator: Haley Traini

**Sustaining the Profession: Career Promotion Behaviors of School-Based Agricultural Education Teachers**

Dr. Marshall Swafford, Lyle Logemann, Dr. Doyle Brinson

**Technical Skills Preservice SBAE Teachers Should Possess upon Completing a Preservice Teacher Education Program: A Modified Delphi Study**

Matthew C. Albritton, T. Grady Roberts

**Assessing School-based Agricultural Education Teacher Familiarity, Knowledge, and Perceptions of Supervised Agricultural Experience Categories**

William L. Doss, Dr. John Rayfield

**Will the first through five years please stand up? Quantifying National SBAE teacher experience**

Becky Haddad, Kelsey J. Knight, Jonathan J. Velez, Josh Stewart

### Session C: Needs Assessment of Agriculture Programs

Discussant: Jason McKibben

Facilitator: Jessica Toombs

**In-Service Agricultural Mechanics Needs of Montana Mid-Career Agricultural Educators**

Joshua T. Toft, Dustin K. Perry, Jeremy M. Falk

**Motivating Students to Conduct High-Quality Supervised Agricultural Experience Programs: A Collective Case Study of Agriculture Teachers in Georgia**

Jillian G. Bryant, Dr. Eric D. Rubenstein, Dr. Jason B. Peake, and Dr. Ashley M. Yopp

**An Examination of the Curricular Resources Utilized by Utah School Based Agriculture Education Teachers and their Relationship with Teacher Self-Efficacy**

Dr. R. G. (Tre) Easterly III, Kassandra A. Simpson

**Examining Florida Agriscience Teachers' Instructional Practice Professional Development Needs by Certification Type**

Bradley M. Coleman, Dr. J. C. Bunch, Dr. Andrew C. Thoron

**Session D: Focus on College Students**

Discussant: Shannon Arnold

Facilitator: Christopher Eck

**I Think I Can! Utilizing Goal Orientations and Academic Efficacy to Predict the Academic Performance of Freshmen College of Agriculture Students**

Olivia Soler, Adam O'Malley, Whitney L. Figland, Morgan Richardson, J. Joey Blackburn, Kristin S. Stair, Richie Roberts

**Influences on College of Agriculture Students' Expectations to Succeed at Writing**

Dr. Taylor K. Ruth, Dr. Jason L. Emmert

**The Forms of Dissonance Experienced by U.S. University Agriculture Students During a Study Abroad to Nicaragua**

Adam M. O'Malley, Dr. Richie Roberts, Dr. Kristin S. Stair, Dr. J. Joey Blackburn

**A Q-Methodological Study of the Perspectives of American Agriculture Culture Held by Students at a Land-Grant University**

Jorge Gonzalez, Marshall A. Baker, Diane Montgomery

**Session E: Agricultural Communications**

Discussant: Ricky Telg

Facilitator: Aaron Giorgi

**A Moment-to-Moment Analysis of Trust in Agricultural Messages**

Lauren LaGrande, Dr. Courtney Meyers, Dr. R. Glenn Cummins, Dr. Matt Baker

**Framing Agricultural Water Use: A Content Analysis of State Farm Bureau YouTube Videos**

Lauren Lagrande, Cara Lawson, Dr. Courtney Meyers

**A Mixed-Methods Analysis of the Effect of the Spiral of Silence on Faculty's Science Communication**

Dr. Taylor K. Ruth, Dr. Joy N. Rumble, Dr. Lisa K. Lundy, Dr. Sebastian Galindo-Gonzalez, Dr. Hannah S. Carter, Dr. Kevin M. Folta

**The Influence of Framing Effects on Public Opinion of Antibiotic use in Livestock**

Garrett M. Steede, Ph.D., Courtney Meyers, Ph.D., Nan Li, Ph.D., Erica Irlbeck, Ed.D., and Sherice Gearhart, Ph.D.

## Day 3 - Friday

### Session A: Teacher Development

Discussant: Thomas Paulsen

Facilitator: Matthew Albritton

#### **Identifying the Characteristics Necessary for Becoming an Effective Agricultural Education Teacher: A National Study**

Christopher J. Eck, J. Shane Robinson, Jon W. Ramsey, Ki Lynn Cole

#### **Balancing Preparation for Current Practice with Preparation for Future Learning in High School Agricultural Education**

Craig Kohn, Dr. Charles "Andy" Anderson, Dr. Aaron McKim

#### **New and Emerging Technologies: Teacher Needs, Adoption, Methods, and Student Engagement**

Loren G. King, Aaron J. McKim, Matt R. Raven, Catlin M. Pauley

#### **Early Career Agricultural Teachers' Preparation, Practice and Perceptions of Instructional Method Use**

Samantha Voges, John Rayfield, David Lawver, Rudy Ritz

### Session B: Teacher Retention

Discussant: Barbara Kirby

Facilitator: KJ Knight

#### **Why Did They Stay? Examining Factors Related to Agriculture Educator Decisions to Stay in the Profession**

Ryanna Carter, Kasee L. Smith, Kattlyn J. Wolf

#### **CTE Teacher Retention: A Case Study of Mid-Career Teachers**

Laura Hasslquist, Nicole A. Graves

#### **Exploring Global Perspectives, Teacher Passion, and Professional Commitment of Second Stage Agriculture Teachers in the Western United States**

Dr. Erin Gorter, Dr. Scott Burriss, Dr. Julie Harlin, Dr. Rudy Ritz, Dr. Timothy Murphy

#### **What Moves You? How SBAE teachers navigate program migration**

Becky Haddad, Jonathan J. Velez

### Session C: Learning and Cognition

Discussant: Brian Myers

Facilitator: Melanie Bloom

#### **Determining the Effects of the Smartphone as a Learning Tool on the Motivation of School-Based Agricultural Education Students in Louisiana**

H. Eric Smith, J. Joey Blackburn, Kristin S. Stair, Michael F. Burnett

#### **Examining the 5E Method of Inquiry-based Instruction on Students' Content Knowledge Achievement in an Environmentally-focused Agriscience Curriculum**

Dr. Blake Colclasure, Dr. Andrew Thoron, Dr. Ed Osborne, Dr. Grady Roberts, Dr. Rose Pringle

#### **Perceptions of Undergraduate Agricultural Education Students on the Effects of Question Difficulty and Post-question Wait-time on Cognitive and Emotional Processes**

Dr. Kyle C. Gilliam, Dr. Matt Baker, Dr. John Rayfield, Dr. Rudy Ritz, and Dr. R. Glenn Cummins

**Effects of Question Difficulty and Post-question Wait-time on Emotional Response: A Psychophysiological Analysis**

Dr. Kyle C. Gilliam, Dr. Matt Baker, Dr. John Rayfield, Dr. Rudy Ritz, and Dr. R. Glenn Cummins

**Session D: Post-Secondary Curriculum**

Discussant: Christopher Clemons

Facilitator: Jason Bullock

**Exploration of Graduate Curriculum in Agricultural Extension Education**

Kelsey Sands, Dr. Michael S. Retallick

**Exploring the Process of Designing Effective Postsecondary Curriculum in Nigerian Agricultural Education**

Ibukun D. Alegbeleye, Helen.O. Ajao

**Teaching at the Land Grant University: Early Career Faculty Development Needs and Perceived Self-efficacy**

Lucas Maxwell, Will Bird, and Anna Ball

**Identifying the Professional and Technical Skills Agricultural Industry Employers Expect Agricultural Graduates to Possess**

Skylar Rinker, Mark S. Hainline, Scott W. Smalley

**Session E: Diversity and Inclusion**

Discussant: Joy Rumble

Facilitator: Rose Cowan

**Recruiting Minority Students into Secondary School Agriculture Education Programs: Barriers, Challenges, and Alternatives**

K. S. U. Jayaratne, Travis Park, Jason Davis

**Country Crisis: A Content Analysis of Rural Opioid Epidemic News Coverage**

Cara Lawson, Dr. Courtney Meyers

**Inclusion at Face Value: State FFA Association Use of Instagram to Promote Membership Diversity**

Cara Lawson, Dr. David Doerfert, Dr. Caryn Filson

**Where Do We Learn?: A Multi-Site Case Study of the Learning Spaces of Rural Agricultural Education Programs**

Joenelle L. Futrell, Marshall A. Baker, J. Shane Robinson, Toni Ivey