

# *Notable Scholarly Graduate Student*

## ACHIEVEMENTS

*Presented by Kansas State University's Graduate Student Council Volume 8, Issue 1, May 2017*

Kansas State University's Graduate Student Council would like to recognize several graduate students who have earned notable scholarly recognition. All recommendations were made by K-State faculty who have worked with the students and feel the student should be recognized. This list is by no means inclusive of all the graduate student accomplishments across the university but is a representative return from the faculty. The students who have been recommended have been grouped based on the type of achievement and by academic unit. The major professor or adviser of each student or the professor submitting the achievement is recognized in parentheses after each student's name and award, if available. The Graduate Student Council acknowledges the production assistance of the K-State Division of Communications and Marketing.

## EXCELLENCE AWARDEES

*Several students have received outstanding student awards, achievement awards and teaching awards and are listed below.*

### Agronomy

Guillermo Balboa

Received the Gerald O. Mott Scholarship from the Crop Science Society of Agronomy. The scholarship recognizes meritorious graduate students in crop science in the U.S. and is administrated by the society. (Dr. Ignacio Ciampitti)

### Counseling and Student Development

Janelle Brooks

Received the Tony Jurich Community Commitment and Leadership Student Award from the K-State Alumni Association. (Dr. Doris Wright Carroll)

### Human Nutrition

Brooke Cull

Received the Graduate Award for Outstanding Academics from the K-State Alumni Association. (Dr. Sara Rosenkranz)

### Management

Cheryl-lyn Ngoh

Was a member of the winning team in the 2016 X-Culture Symposia Case Competition, an international business strategy competition that received entries from more than 4,000 students. (Dr. Chwen Sheu)

### Mathematics

Joshua Brummer

Was the graduate student teaching recipient of the William L. Stamey Award for Excellence in Teaching from the College of Arts and Sciences. (Dr. Virginia Naibo)

### Mechanical and Nuclear Engineering

Michael Reichenberger

Received the Graduate Award for Outstanding Leadership and Service from the K-State Alumni Association. (Dr. Douglas McGregor)

### Plant Pathology

Ananda Bandara

Presented with the Gamma Sigma Delta Graduate Student Doctoral-level Teaching Award from the university chapter of the honor society. (Dr. Chris Little)

### Special Education, Counseling and Student Affairs

Dana Nordyke

Named the Outstanding Committee Member of the Year by the Kansas Association of Colleges and Employers. The award is presented annually for active committee involvement and initiative in the organization. (Dr. Christy Craft)

## SCHOLARSHIP AWARDEES

*Those students who were awarded notable scholarships are listed below, with a brief description of the scholarship, if available.*

### Curriculum and Instruction

Andrea Graham

Received the College of Education Scholarship for Distance Education Students. (Dr. Tom Vontz)

Laura Seley

Received the College of Education Alumni Scholarship. (Dr. Tom Vontz)

## Diagnostic Medicine and Pathobiology

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Jordan Gebhardt  
Named one of the five recipients of the \$5,000 American Association of Swine Veterinarians Merck Scholar at the American Association of Swine Veterinarians Annual meeting. He also was recognized as having the best research poster at the meeting. (Dr. Steve Dritz)

## Educational Leadership

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Boyna Bear  
Received the College of Education Scholarship for Distance Education Students. (Dr. Robert Hachiya)

Jennifer Yoho  
Received the W.W. and Dorothy Lee Memorial Scholarship in Adult and Occupational Education. (Dr. Susan Yelich Biniecki)

Ashley Richter  
Received the Robert Scott Memorial Scholarship. (Dr. Royce Ann Collins)

Murphy Pryce  
Received the George E. Spear Adult Education Scholarship from the College of Education. (Dr. Royce Ann Collins)

Lauren Long  
Received the College of Education Educational Leadership Scholarship. (Dr. Robert Hachiya)

## Geology

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Victoria Fitzgerald  
Received a \$500 Kansas Geological Foundation Scholarship. The foundation grants aid to individuals or agencies that promote the science of geology and related fields. (Dr. Joel Spencer)

Adam Lane  
Received a \$500 Kansas Geological Foundation Scholarship. The foundation grants aid to individuals or agencies that promote the science of geology and related fields. (Dr. Matthew Totten)

Ryan Keast  
Received a \$500 Kansas Geological Foundation Scholarship. The foundation grants aid to individuals or agencies that promote the science of geology and related fields. (Dr. Brice LaCroix)

## Landscape Architecture and Regional & Community Planning

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Jonathan Knight  
Named the K-State Landscape Architecture Foundation Olmsted Scholar. The scholarship is named for Frederick Law Olmsted, the father of American landscape architecture. The Olmsted Scholars Program is the premier national award program for landscape architecture students. Candidates are evaluated on their past achievements and their future potential to influence the landscape architecture profession. Criteria for selection include the candidate's leadership potential in the advancement of sustainable planning and design, and fostering human and societal benefits, as assessed through the candidate's demonstration of leadership and vision; engagement with current issues; critical thinking; communication skill; and personal characteristics and values. (Jessica Canfield)

## Special Education, Counseling and Student Affairs

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Joanna Czarniecki  
Received the College of Education Scholarship for Distance Education Students. (Dr. Christy Craft)

Ann Schrick  
Received the College of Education Scholarship for Distance Education Students. (Dr. Marilyn Kaff)

Elsa Toburen  
Received the College of Education Scholarship for Distance Education Students. (Dr. Judy Hughey)

Paul Pierce  
Received the Cheryl Stoney Memorial Multicultural Education Scholarship from the College of Education. (Dr. Lisa Rubin)

Kris Bailey  
Received the Francis and Phyllis Sanders Scholarship in School Counseling from the College of Education. (Dr. Jessica Lane)

Samantha Strate  
Received the Francis and Phyllis Sanders Scholarship in School Counseling from the College of Education. (Dr. Judy Hughey)

Rebecca William  
Received the Brenda and Gib Compton Special Education Teacher Scholarship. (Dr. Ann Knackendoffel)

Sara Devine  
Received the Mark Dickerson Memorial Award and the John and Nadine Demand Memorial Scholarship from the College of Education. (Dr. Ann Knackendoffel)

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## FELLOWSHIP AND GRANT AWARDEES

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*Significant fellowships or grants were awarded to the following students. A brief description of the award is included, if available.*

### Agronomy

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Santiago Tamagno

Received a Monsanto STEM Fellowship, which is part of Monsanto's investment in agriculture to help increase global food production in the face of growing demands, limited natural resources and a changing climate. (Dr. Ignacio Ciampitti)

Regina Enniful

Received first place in K-State's Research and the State poster competition; was selected to present at the 14th Capitol Graduate Research Summit in March at the State Capitol in Topeka; and received third place in the graduate student poster presentation competition at the annual meeting of the Crop Science Society of America in Phoenix, Arizona, Nov. 6-9, 2016. Enniful also received a travel award for the University of Florida Plant Science Symposium in April. Enniful's research involves systematic investigation to capture physiological and biochemical diversity in sorghum parental lines under water-deficit conditions using a highly accurate lysimeter facility and also rain-out shelters under field conditions. Her research is helping identify novel drought tolerant donors to help sorghum breeders develop improved sorghum varieties to reduce the impact of global climate change on food security, especially in arid and semi-arid regions of the world, which are predicted to be the most vulnerable regions under changing climate. (Dr. Krishna Jagadish)

### Animal Sciences and Industry

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Caroline Ylioja

Awarded a two-year, \$95,000 predoctoral fellowship from the U.S. Department of Agriculture-National Institute of Food and Agriculture to study strategies that could improve the health of replacement dairy animals and their lifetime milk production. Ylioja's research project concerns colostrum, which is the first milk a cow produces for its calf after giving birth. Typically, the quality of colostrum is measured by its antibody levels, but Ylioja proposes additional strategies, such as assessing the presence of molecules that carry messages between cells, organs and tissue to boost immunity. (Dr. Barry Bradford)

### Biology

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Kirsten Grund

Received the Alvin and Rosalee Sarachek Predoctoral Fellowship in Molecular Biology. (Dr. Brett Sandercock)

### Geology

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Victoria Fitzgerald

Awarded a prestigious National Science Foundation Graduate Research Fellowship to support her research on the timing of Lake Bonneville Megalake regression. (Dr. Joel Spencer)

### Hospitality Management and Dietetics Administration

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Chen-Wei Tao

Received, with Junehee Kwon, associate professor of hospitality management, a \$2,000 Foodservice Systems Management Education Council Research Grant for "Restaurant Service Sabotage Scale Development Using Item Response Theory." Tao also received a \$1,000 Small Program Grant for a K-State graduate student in the arts, humanities and social sciences for "Restaurant Service Sabotage: Establishing Evidence for Scale Validity." (Dr. Junehee Kwon)

### Landscape Architecture and Regional & Community Planning

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Emma Rearick

Received the Dwight David Eisenhower Transportation Graduate Fellowship, presented to students pursuing degrees in transportation-related disciplines. The program advances the transportation workforce by attracting the brightest minds to the field through education, research and workforce development. The \$31,900 fellowship is designated to help with tuition and provide a stipend and the opportunity to attend the Transportation Research Board annual meeting in Washington, D.C. (Dr. Greg Newmark)

### Plant Pathology

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Ananda Bandara

Received the prestigious Phi Kappa Phi Dissertation Fellowship, which is awarded to doctoral students in the process of completing the writing component of their degrees. Phi Kappa Phi is the nation's oldest, largest and most selective honor society for all academic disciplines. Bandara also received the Raymond J. Tarleton Student Fellowship, which is awarded to a deserving graduate student majoring in plant pathology at a university in the United States. The purpose is to support graduate education in plant pathology and can be used as a stipend for research expenses, books, research, summer internships — in industry, other research labs, etc. — and/or for equipment necessary to the recipient's thesis research. (Dr. Chris Little)

# CONFERENCE AND COMMITTEE PARTICIPANTS

*Graduate students who were selected to give oral or poster presentations at professional conferences are listed below with a brief description of the conference, if available. Students who attended a prestigious conference or had their work included in an exhibition are also listed below.*

## Curriculum and Instruction

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Erica Sponberg  
Received a College of Education Travel Grant to present “Distance and Traditional Models of Pre-Service Language Teacher Supervision” at the American Council on the Teaching of Foreign Languages in Boston, Massachusetts. (Dr. Socorro Herrera)

Seth Lickteig  
Received a College of Education travel grant to present “New Social Studies: Use of Inquiry to Engage Learners” at the Hawaii International Conference on Education in Honolulu, Hawaii. (Dr. Brad Burenheide)

Meaghan Cochrane  
Presented “Finding Home in Community Schools: Addressing Educational Inequity Through Arts-based, Contemplative Approaches to Qualitative Inquiry” at the International Congress of Qualitative Inquiry in Urbana, Illinois. Cochrane served as session chair for “Contemplative Approaches to Transforming Education: Engagement in Awake-Dreaming, Spiritual Activism, De/colonial Perspectives, and Mindfulness” and presented “Re-experiencing Democracy through the Arts as Scholarly Work in the Public Sphere” and “Mirrored Poetic Performative Response: The Entrapment of Opposition and the Illusion of Democracy” with Kakali Bhattacharya, associate professor of educational leadership, at the American Educational Research Association in San Antonio, Texas. Cochrane and Bhattacharya presented “When Naguala Takes Us on Nepantleric Journeys: Discovering An Emerging Qualitative Methodology through Contemplative Layered Art Making” at the University of Texas at San Antonio, El Mundo Zurdo 2016, in San Antonio. Cochrane also presented “Beyond the Academy: Facilitating Social Change through Arts-based Contemplative Inquiry” at the Association for Contemplative Mind in Higher Education in Amherst, Massachusetts. (Drs. Kakali Bhattacharya and Sally Yahnke)

## Educational Leadership

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Constance Carpenter  
Presented “U.S. Armed Forces gender integration: The deterministic inclusion of women within combat arms and special operations teams” at the Commission of Professors of Adult Education, Women’s Research SIG, 65th annual American Association for Adult and Continuing Education Conference, in Albuquerque, New Mexico, on Nov. 11, 2016. Carpenter and Susan Yelich Biniecki, assistant professor of education leadership, presented “Human performance optimization during conditions of uncertainty: Women as mandatory equipment in mixed gender teams” at the conference, Nov. 10. (Dr. Susan Yelich Biniecki)

## Genetics

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Cameron Hunter  
Presented the poster “Nuclear accumulation of the *Aspergillus nidulans* GATA transcription factor AreA is independent of DNA binding” at the at the 14th International *Aspergillus* Meeting, March 13-14, and the 29th Fungal Genetics Conference, March 15-19, both in Pacific Grove, California. (Dr. Richard Todd)

## Hospitality Management and Dietetics Administration

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Woohyuk Kim  
Presented, with Kristin Malek, assistant professor of hospitality management, the paper “Understanding the relationship among motivation, satisfaction, and loyalty in events: A case of medical meetings” at the 22nd annual Graduate Education and Graduate Student Research Conference in Hospitality and Tourism, Jan. 5-7, 2017, in Houston, Texas. Kim and Malek received the best paper award from the Journal of Hospitality and Tourism for “Understanding the relationship among social media use, resource capacity, and firm performance: The case of Twitter use by hotels.” The paper also was presented at the Graduate Education and Graduate Student Research Conference in Hospitality and Tourism. Kim and Malek also presented the paper “Medical meetings: Attendee profiles, motivation to attend, and value propositions” at the second Central Federation of the Council on Hotel, Restaurant and Institutional Education Conference. (Dr. Kristin Malek)

Eunhye Park  
Won the Best Paper Award for “Customers’ perceptions of green practices in green restaurants: What do customers share after dining in green restaurants?” at the second Central Federation of the Council on Hotel, Restaurant and Institutional Education Conference Proceedings. The paper was co-written with Junehee Kwon, associate professor of hospitality management, and Bonsug Chae, professor of management. Park also was a finalist for the Best Paper Award, with Kwon and Chae, for the paper “Exploring consumer perceptions of green restaurants using structural topic models on consumer reviews,” which was presented at the 22nd annual Graduate Education and Graduate Student Research Conference in Hospitality and Tourism, Houston, Texas. (Dr. Junehee Kwon)

Hyeong Jin Jeon  
Presented the paper “Exploration of relationships among festival experience, need satisfaction, and revisit” at the 22nd annual Graduate Education and Graduate Student Research Conference in Hospitality and Tourism, Houston, Texas. The paper was co-written with Junehee Kwon, associate

	professor of hospitality management; C. Ok; and J. Choi. <b>(Dr. Junehee Kwon)</b>		Education and Graduate Student Research Conference in Hospitality and Tourism, Houston, Texas. Zhang also presented the paper for the second Central Federation Council on Hotel, Restaurant and Institutional Education Conference Proceedings. <b>(Dr. Jichul Jang)</b>
Juhyun Kang	Presented the paper, co-written with Jichul Jang, assistant professor of hospitality management, "Fake emotions toward co-workers and turnover intention in the hotel industry" at the 22nd annual Graduate Education and Graduate Student Research Conference in Hospitality and Tourism, Houston, Texas. <b>(Dr. Jichul Jang)</b>	Michelle Alcorn	Presented the poster "Personality and the green restaurant employee," with Kevin Roberts, associate professor and interim department head of hospitality management, at the 22nd annual Graduate Education and Graduate Student Research Conference in Hospitality and Tourism, Houston, Texas. Alcorn also presented "Service work events and emotions: Affective event theory and restaurant employees" with Jichul Jang, assistant professor of hospitality management, for the second Central Federation Council on Hotel, Restaurant and Institutional Education Conference Proceedings. <b>(Drs. Kevin Roberts and Jichul Jang)</b>
Xiaoye Li	Presented the papers "Insights from consumer reviews: A combined methods approach for social media analytics in the hospitality industry" and "What attracts older adults when dining out? An application of the Kano model," both co-written with C. Tao, H. Wen and J. Kwon, at the 22nd annual Graduate Education and Graduate Student Research Conference in Hospitality and Tourism, Houston, Texas. <b>(Dr. Junehee Kwon)</b>		
Chen-Wei Tao	Presented the paper "Insights from consumer reviews: A combined methods approach for social media analytics in the hospitality industry," co-written with X. Li, H. Wen and J. Kwon, at the 22nd annual Graduate Education and Graduate Student Research Conference in Hospitality and Tourism, Houston, Texas. At the same conference, Tao presented the poster "Exploring antecedents of over-service in the restaurant industry: A manager's perspective" with Y. Chiu, L. Sun and J. Kwon. Tao also presented the paper "How does service climate affect negative and positive outcomes of service encounters? The moderating effect of restaurant frontline employee's self-efficacy," co-written with J. Jang and J. Kwon, for the second Central Federation of the Council on Hotel, Restaurant and Institutional Education Conference Proceedings. <b>(Dr. Junehee Kwon)</b>	Basem Boutros	Presented the poster "Food safety culture: A comparative study between independent and chain-operated ethnic restaurants" with Kevin Roberts, associate professor and interim department head of hospitality management, at the 22nd annual Graduate Education and Graduate Student Research Conference in Hospitality and Tourism, Houston, Texas. <b>(Dr. Kevin Roberts)</b>
		<b>Interior Architecture &amp; Product Design</b>	
		Caleb Amundson	Had a design research abstract selected for presentation at the International Conference on Education, Research and Innovation. The work also will be published in the conference proceedings. Amundson, Alexandra Marschman and their Steelcase collaborator, Andrew Kim, were selected to present their design research project findings at the Society for College and University Planning Conference in Evanston, Illinois. <b>(Vibha Jani)</b>
Hyung Hwa Oh	Presented the paper, co-written with Jichul Jang, assistant professor of hospitality management, "Team-member exchange and its impacts on customer-oriented attitude and work outcomes" and the paper "What attracts older adults when dining out? An application of the Kano model," co-written with X. Li, H. Wen and J. Kwon, both at the 22nd annual Graduate Education and Graduate Student Research Conference in Hospitality and Tourism, Houston, Texas. Oh and Jang presented "From full-service restaurant servers' emotional intelligence to tip sizes: Mediating role of team-member exchange" for the second Central Federation of the Council on Hotel, Restaurant and Institutional Education Conference Proceedings. <b>(Drs. Jichul Jang and Junehee Kwon)</b>	Kat Arndt	Had a design research abstract selected for presentation at the International Conference on Education, Research and Innovation. The work also will be published in the conference proceedings. <b>(Vibha Jani)</b>
		Nicole Baith	Had a design research abstract selected for presentation at the International Conference on Education, Research and Innovation. The work also will be published in the conference proceedings. <b>(Vibha Jani)</b>
		Jacob Becker	Had a design research abstract selected for presentation at the International Conference on Education, Research and Innovation. The work also will be published in the conference proceedings. <b>(Vibha Jani)</b>
Wenhao Zhang	Presented the paper "The influence of polychronic time use on job satisfaction, work engagement, and turnover intention: A study of non-supervisory restaurant employees," co-written with K.R. Roberts and J. Jang, at the 22nd annual Graduate	Kelsey Castinado	Had a design research abstract selected for presentation at the International Conference on Education, Research and Innovation. The work also will be published in the conference proceedings. <b>(Vibha Jani)</b>

Emma Cole	Had a design research abstract selected for presentation at the International Conference on Education, Research and Innovation. The work also will be published in the conference proceedings. <b>(Vibha Jani)</b>	Steven Scott	Had a design research abstract selected for presentation at the International Conference on Education, Research and Innovation. The work also will be published in the conference proceedings. <b>(Vibha Jani)</b>
Breann Davis	Had a design research abstract selected for presentation at the International Conference on Education, Research and Innovation. The work also will be published in the conference proceedings. <b>(Vibha Jani)</b>	Patrick Smith	Had a design research abstract selected for presentation at the International Conference on Education, Research and Innovation. The work also will be published in the conference proceedings. <b>(Vibha Jani)</b>
Emily Erbert	Had a design research abstract selected for presentation at the International Conference on Education, Research and Innovation. The work also will be published in the conference proceedings. <b>(Vibha Jani)</b>	Garrett Steinlage	Had a design research abstract selected for presentation at the International Conference on Education, Research and Innovation. The work also will be published in the conference proceedings. <b>(Vibha Jani)</b>
Chelsea Flickinger	Had a design research abstract selected for presentation at the International Conference on Education, Research and Innovation. The work also will be published in the conference proceedings. <b>(Vibha Jani)</b>	Nicole Taylor	Had a design research abstract selected for presentation at the International Conference on Education, Research and Innovation. The work also will be published in the conference proceedings. <b>(Vibha Jani)</b>
Chris Garcia	Had a design research abstract selected for presentation at the International Conference on Education, Research and Innovation. The work also will be published in the conference proceedings. <b>(Vibha Jani)</b>	<b>Mechanical Engineering</b>	
Kendall Harvey	Had a design research abstract selected for presentation at the International Conference on Education, Research and Innovation. The work also will be published in the conference proceedings. <b>(Vibha Jani)</b>	Michael Reichenberger	Presented the paper “Electronic Support System Enhancements for Micro-Pocket Fission Detectors (MPFDs)” in support of his doctoral research at the IEEE Nuclear Science Symposium in Strasbourg, France, Oct. 29-Nov. 5, 2016. Reichenberger also was invited to give a research presentation for which he was awarded second place in the Innovations in Fuel Cycle Research competition in summer 2016. The Department of Energy invited all awardees to present updates on their work at the annual winter meeting of the American Nuclear Society in Las Vegas, Nevada, Nov. 6-10, 2016. <b>(Dr. Douglas McGregor)</b>
Samuel Jung	Had a design research abstract selected for presentation at the International Conference on Education, Research and Innovation. The work also will be published in the conference proceedings. <b>(Vibha Jani)</b>		
Whitney Lawson	Had a design research abstract selected for presentation at the International Conference on Education, Research and Innovation. The work also will be published in the conference proceedings. <b>(Vibha Jani)</b>	<b>Music, Theatre and Dance</b>	
Rachel Marks	Had a design research abstract selected for presentation at the International Conference on Education, Research and Innovation. The work also will be published in the conference proceedings. <b>(Vibha Jani)</b>	Michael Rogers	Presented as a panelist “Playing a Play into Existence” at the North American Drama Therapy Association Conference. Rogers also is one of the K-State representatives to the North American Drama Therapy Association Student Committee, which reports the association’s board. Representatives plan several events at the national conference and have monthly conference calls as well as conduct a climate survey of all the drama therapy programs each year. <b>(Sally Bailey)</b>
Alexandra Marschman	Had a design research abstract selected for presentation at the International Conference on Education, Research and Innovation. The work also will be published in the conference proceedings. Marschman, Caleb Admundson and their Steelcase collaborator, Andrew Kim, were selected to present their design research project findings at the Society for College and University Planning Conference in Evanston, Illinois. <b>(Vibha Jani)</b>	Sarah Edwards	Was a panelist on presentation “Playing a Play into Existence” at the North American Drama Therapy Association Conference. <b>(Sally Bailey)</b>
		Susanna Woolls	Was a panelist on presentation “Playing a Play into Existence” at the North American Drama Therapy Association Conference. <b>(Sally Bailey)</b>
Francisco Pergola	Had a design research abstract selected for presentation at the International Conference on Education, Research and Innovation. The work also will be published in the conference proceedings. <b>(Vibha Jani)</b>	Garrett Fuentes	Served as one of the K-State representatives to the North American Drama Therapy Association Student Committee, which reports to the association’s board. Representatives plan several events at the national conference

and have monthly conference calls as well as do a conduct survey of all the drama therapy programs each year. Fuentes also assisted an alumna in a presentation about drama therapy with students on the autism spectrum. (Sally Bailey)

#### Special Education, Counseling and Student Affairs

Sara Sanders

Received a travel grant to present "Increasing Compliance in the Classroom: Results of a Meta-analysis of Treatment Options" at the Teacher Educators for Children with Behavior Disorders conference in Tempe, Arizona, in October 2016. (Dr. Mickey Losinski)

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## NOTABLE PUBLISHED WORKS

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*The following students have published notable works. A brief description of the written work and journal, if available, is included for each student.*

#### Agricultural Economics

Weldensie Embaye

Had the article "Implications of non-farm work to vulnerability to food poverty-recent evidence from northern Ghana," written with Jason Bergtold, associate professor of agricultural economics, accepted for publication in one of the top agricultural economics development journals in March 2017. Embaye and Bergtold also had their paper "Sorghum research and poverty reduction in the presence of trade distortions in Ethiopia" accepted for publication in the African Journal of Agricultural and Resource Economics. (Dr. Jason Bergtold)

Cody O'Brien

Published the article "Reductions in Working Capital and Resulting Burn Rates for Producers." Managing an operation during hard economic times can put a strain on working capital. As more financial stress is placed on Kansas farms, repayment capacities decrease and the credit availability declines. Having the ability to continue operating under tough economic conditions is vital to the agricultural industry, and one contingent resource is working capital. This study examines the effect of widespread losses in profitability for a sample of 552 Kansas farms and uses burn rates to provide an outlook for the future given current working capital conditions. (Dr. Elizabeth Yeager)

Kayode Ajewole

Published "Price Reporting in a Thin Market" in the Journal of Agriculture and Applied Sciences with Ted Schroeder, K-State professor of agricultural economics, and Joe Parcell, a professor with the University of Missouri, Columbia. The objective of the study was to determine the distributions of associated plants transactions that comprise the negotiated daily weighted-average U.S. Department of Agriculture-Agricultural Marketing Service hog price report and the sensitivity of reported market hog prices to which plants involved in each day hog transactions. (Dr. Ted Schroeder)

#### Apparel, Textiles, and Interior Design

Yue Yuan

Published "Surface characteristics influencing bacterial adhesion to polymeric substrates" in RSC Advances, 7, 14254-14261, with Hays, M. P., Hardwidge, P. R., Kim, J. (2017). (Dr. Jooyoun Kim)

#### Biochemistry and Molecular Biophysics

Nicole Green

Was first author on a publication in Genetics, "A Common Suite of Coagulation Proteins Function in Drosophila Muscle Attachment." This article was selected as a journal highlight and received the cover image. (Dr. Erika Geisbrecht)

#### Biology

Pragyesh Dhungel

Published, as co-first author, "Ribosome Profiling Reveals Translational Upregulation of Cellular Oxidative Phosphorylation mRNAs During Vaccinia Virus-induced Host Shutoff." Many viral infections cause global host protein synthesis shutoff. While the host protein synthesis shutoff benefits virus by relocating cellular resources for viral replication, it also poses a challenge to maintain necessary cellular functions for viral replication if continuous protein synthesis is required. In this paper, we measured host mRNA translation rate during vaccinia virus-induced host shutoff by analyzing total and actively translating mRNAs in a genome-wide manner. The study revealed that oxidative phosphorylation mRNAs were translationally upregulated during vaccinia virus-induced host protein synthesis shutoff. Oxidative phosphorylation is the major cellular energy-producing pathway and we further showed that maintenance of its function was important for vaccinia virus replication. This study highlights that vaccinia virus infection can enhance cellular energy production through translational upregulation in the context of an overall host protein synthesis shutoff to meet energy expenditure. (Dr. Zhilong Yang)

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## Chemistry

Manomi Perera

Was lead author on a peer-reviewed publication in the journal CrystEngComm titled “Impact and importance of electrostatic potential calculations for predicting structural patterns of hydrogen and halogen bonding.” The manuscript explores the competition and balance between different intermolecular interactions with a view to developing new technologies for drug-delivery, catalysis and safer explosives. (Dr. Christer Aakeroy)

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## Curriculum and Instruction

Meaghan Cochrane

Had “Creativity and Qualitative Research: Possibilities in Graduate Education,” written with Kakali Bhattacharya, associate professional of educational leadership, placed under contract with Palgrave-McMillan and Springer International Publishing. In addition, the article “Assessing the Authentic Knower Through Contemplative Arts-Based Pedagogies in Qualitative Inquiry,” co-written with Bhattacharya, is in press with The Journal of Contemplative Inquiry. (Drs. Kakali Bhattacharya and Sally Yahnke)

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## Electrical and Computer Engineering

Md Mahbubul Huq Riad

Published “An individual-level network model for a hypothetical outbreak of Japanese encephalitis in the USA.” Japanese encephalitis is a vector-borne disease transmitted by mosquitoes and maintained in birds and pigs. To examine the possible epidemiology of the disease in the United States, we use an individual-level network model that explicitly considers the feral pig population and implicitly considers mosquitoes and birds in specific areas of Florida, North Carolina, and South Carolina. To model the virus transmission among feral pigs within a small geographic area — less than 60 square miles — two network topologies are considered: fully connected and Erdos-Renyi networks. Long-distance connections — interstate — are created with limited probability and based on fall and spring bird migration patterns. Patterns of simulated outbreaks support the use of the Erdos-Renyi network because maximum incidence occurs during the fall migration period that is similar to the peak incidence of the closely related West Nile virus, another virus in the Japanese encephalitis group — Flaviviridae — that is transmitted by both birds and mosquitoes. Simulation analysis suggested two important mitigation strategies. For low mosquito vectorial capacity, insecticidal spraying of infected areas reduces transmission and limits the outbreak to a single geographic area. Alternatively, in high mosquito vectorial capacity areas, birds rather than mosquitoes need to be removed/controlled. (Dr. Caterina Scoglio)

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## Horticulture, Forestry and Recreation Services

Ross Braun

Published “Rough bluegrass incidence in a new tall fescue sward as affected by seeding rate and mowing height” in Crop, Forage and Turfgrass Management, February, 3(1)1-4, with Thompson, C., J. Fry, and M. Kennelly. (Dr. Dale Bremer)

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## Hospitality and Dietetics Administration

Naiqing Lin

Published “Predicting and explaining behavioral intention and hand sanitizer use among U.S. Army soldiers” with Kevin Roberts, associate professor and interim department head of hospitality management, in the American Journal of Infection Control. (Dr. Kevin Roberts)

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## Interior Architecture & Product Design

Caleb Amundson

Wrote the paper “The Importance of Visual and Acoustic Privacy and Security in Open Informal Collaborative Learning Environments” that was published in ICERI Conference proceedings. Amundson co-wrote this paper with Garrett Steinlage, and they presented it at the international conference ICERI in Seville, Spain. The paper was prepared under the guidance of Vibhavari Jani, associate professor of interior architecture & product design, for their Design Research course. (Vibhavari Jani)

Garrett Stienlage

Published the paper “The Importance of Visual and Acoustic Privacy and Security in Open Informal Collaborative Learning Environments” in the ICERI Conference proceedings. Steinlage co-wrote this paper with Caleb Amundson. ICERI is an international conference held in Seville, Spain. Steinlage and Admundson prepared this paper under the guidance of Vibhavari Jani, associate professor of interior architecture & product design, for their Design Research course. (Vibhavari Jani)

Samuel Jung

Published the paper “Pain-points and Work-arounds with Project and Team Learning Activities in Informal Collaborative Learning Environments” in the ICERI Conference proceedings. Jung co-wrote this paper with Nicole Baith and Nicole Taylor. Jung represented his group and presented this paper at the international conference ICERI in Seville, Spain. The research team prepared this paper under the guidance of Vibhavari Jani, associate professor of interior architecture & product design, for the Design Research course. (Vibhavari Jani)

Chelsea Flickinger

Published and presented the paper “Designing Informal Collaborative Learning Environments for the Multigenerational, Multicultural Students: Needs Analysis” at the ICERI International Conference in Seville, Spain. Flickinger wrote this paper with Jacob Becker and Alexandra Marschman under the guidance of Vibhavari Jani, associate professor of interior



Stephen Scott	architecture & product design, for their Design Research Course. ( <b>Vibhavari Jani</b> )	<b>Mechanical and Nuclear Engineering</b>	Lighting” at an international conference ICERI, in Seville, Spain. Davis and Marks prepared this paper under the guidance of Vibhavari Jani, associate professor of interior architecture & product design, for their Design Research Course. ( <b>Vibhavari Jani</b> )
Emma Cole	Published and presented the paper “Difficulties of Collaboration in Informal Learning Environments” at the ICERI International Conference in Seville, Spain. Scott wrote this paper with Kelsey Castinado and Whitney Lawson under the guidance of Vibhavari Jani, associate professor of interior architecture & product design, for their Design Research Course. ( <b>Vibhavari Jani</b> )	Michael Reichenberger	Published, with others, the paper “Monte Carlo simulation of random, porous (foam) structures for neutron detection” in Radiation Physics and Chemistry, 2017. This work grew from a study of Monte Carlo simulation methods for the final project in ME777-Monte Carlo Methods. After expanding the project from class, sufficient developments were made to publish the method. ( <b>Dr. Douglas McGregor</b> )
Breann Davis	Published and presented, with Katherine Arndt and Christopher Garcia, the paper “Place-making for Collaborative, Informal Learning Environments” at an international conference, ICERI, in Seville, Spain. The research team prepared this paper under the guidance of Vibhavari Jani, associate professor of interior architecture & product design, for their Design Research Course. Cole and Arndt represented the research team at the conference and presented this paper. ( <b>Vibhavari Jani</b> )	<b>Sociology, Anthropology, and Social Work</b>	Will have co-written the article, “Voices from inside the walls: Views of the juvenile justice system from the youthful offenders,” published in Corrections: Policy, Practice and Research. Co-authors include J.A. Pealer and K. Adams. ( <b>Dr. Sue Williams</b> )
	Published, with Rachel Marks, and presented, the paper “Personalizing Collaborative Learning Spaces through Furniture Arrangement, Temperature and	April Terry	

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## TRAVEL GRANT AWARDEES

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*A travel grant was awarded to the students listed below. A description of the travel grant is included, if available.*

### Biochemistry and Molecular Biophysics

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Lynn Schrag

Received the American Society of Biochemistry and Molecular Biology Graduate Student Travel Award for presenting his research work “NMR Structural Studies of an Insect Cytokine: Manduca sexta Stress Responsive Pepitde-2.” The award was given based on the merits of Schrag’s presentation, of which he is the primary author. (**Dr. Om Prakash**)

Nicole Green

Received the Alvin and Rosalee Sarachek Travel Award in Molecular Biology. (**Dr. Erika Geisbrecht**)

### Genetics

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Cameron Hunter

Awarded a \$500 Graduate Student Council Travel Award in March to attend the 29th Fungal Genetics Conference in Pacific Grove, California. (**Dr. Richard Todd**)

### Hospitality Management and Dietetics

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Basem Boutros

Earned a \$700 travel award from the Partnership for Food Safety Education to attend the Consumer Food Safety Education Conference, “Advancing Food Safety through Behavior Change,” Jan. 25-27, in the District of Columbia. (**Dr. Kevin Roberts**)

### Plant Pathology

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Ananda Bandara

Received the Alvin and Rosalee Sarachek Travel Award in Molecular Biology. (**Dr. Chris Little**)

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## COMPETITION AWARDS

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*Graduate students who received awards at conference poster competitions, oral presentation competitions, research forum presentation competitions and other similar competitions are listed below with a brief description of the entry/award, if available.*

### Agronomy

Garrison Gundy

Placed first in the Scientific Poster Contest at the North Central Weed Science Society annual meeting. His poster title was "Efficacy of variable rate soil-applied herbicides based on soil electrical conductivity and organic matter differences." (Dr. Anita Dille)

L. Joey Rains

Placed second in the Graduate Student Poster Contest at the North Central Weed Science Society annual meeting. The title of his poster was "Application timing of PPO-inhibitor herbicides influences level of Palmer amaranth control." (Dr. Anita Dille)

Seth Menzer

Won first place in graduate student poster competition at the Sorghum Improvement Conference of North America for his work on "Grain sorghum response to Huskie following treatment with herbicide mixture containing mesotione." (Dr. Mithila Jugulam)

Junjun Ou

Won second place for his oral paper presentation, "Efficacy of PRE and POST applied dicamba on dicamba-resistant kochia," and for his poster presentation, "Antagonistic effect of glyphosate and dicamba tank-mix on kochia control," at the North Central Weed Science Society annual meeting. (Dr. Mithila Jugulam)

Nathaniel Thompson

Won a graduate student poster award for his presentation "Palmer amaranth control in double crop dicamba/glyphosate resistant soybeans." (Dr. Dallas Peterson)

Marshall Hay

Won the graduate student oral presentation first-place award for his paper "Residual Pigweed Control with VLCFA Herbicides." (Dr. Dallas Peterson)

Amanda de Oliveira Silva

Received first place at the doctoral student poster contest for the Crop Ecology, Management and Quality Division at the annual meetings of the American Society of Agronomy, Crop Science Society of America and the Soil Science Society of America. Students are required to submit an abstract and present a poster focused on their research topic. They are judged based on the balance in quantity and quality of information, as well as project rationale, poster appearance, and physical presence and oration. The top three students in each category of the contest are recognized with a cash award and a certificate to honor their achievement. (Dr. Romulo Lollato)

### Interior Architecture & Product Design

Rebecca Keating

Won the K-State Launch competition and \$5,000 prize for her business, Rekreative Design. The business provides quick and accurate body geometry scans of individual motorcyclists, which are then used to design and 3-D print custom body armor solutions unique to both the rider and the rider's position on his or her motorcycle. (Chris Manzo)

### Biochemistry and Molecular Biophysics

Nicole Green

Received Best Graduate Student Talk prize at the 2016 Midwest Drosophila Conference for her presentation of "A Common Suite of Coagulation Proteins Function in Drosophila Muscle Attachment." (Dr. Erika Geisbrecht)

### Food Science

Karolina Sanchez Alan

Won the Young Scientist Award for a poster presentation at an international conference on dairy ingredients. The title of her presentation was "Heat stability of radio frequency treated high heat and low heat nonfat dry milk powders." (Dr. Karen Schmidt)

### History

Tim Gresham

Received the Best Graduate Student Paper Award for "Today Mr. Packer is hailed as the Holiest of Holies: Memory and the Meat Packer's Capture of the Kansas Livestock Association in the Interwar Period." The paper discussed how in the brief span of about 20 years, the Kansas Livestock Association changed from waging what stockmen called the "war on the packers" to friendly cooperation with them. This shift is best described as a "capture" because the Kansas Livestock Association went from demanding federal regulation of the big meat packers to acceptance of packer leadership of the entire meat industry. (Dr. James Sherow)

### Horticulture, Forestry, and Recreation Services

Ross Braun

Earned first place in the graduate student oral competition's golf turf management session and third place in the graduate student poster competition in turf ecology and management at the annual international meetings of the Crop Science Society of America. (Dr. Dale Bremer)

## Music, Theatre and Dance

Oscar Vazquez Medrano

Won the second prize at the Kansas Music Teachers Association's annual state competition in Topeka, Kansas. (Dr. Slawomir Dobrzanski)

Lucas Johnson

Selected as a semifinalist in the Trumpet Ensemble Division for the National Trumpet Competition. (Dr. Jim Johnson)

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## ADDITIONAL HONORS AND AWARDS

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*The most recent awards/nominations/initiates from the spring 2017 semester are listed below.*

### Apparel, Textiles, and Interior Design

Yue Yuan

Presented her research at Science on Tap, which features a brief, informal presentation by a K-State scientist followed by lively conversation. The goal is to build our community's enthusiasm for science in a fun and unique way. Science on Tap is organized through a partnership with the Graduate School, the Center for Engagement and Community Development, Sunset Zoo and Tallgrass Tap House. Yuan uses electric force to create functional fibers and chemical methods to modify their surface for use in protective and biomedical products. (Dr. Jooyoun Kim)

### Curriculum and Instruction

Meaghan Cochrane

Honored with the Student Member of the Year Award from K-State's Office of Student Activities and Services. The award honors Cochrane for personally excelling within a student organization, continuously working to contribute to and promote the organization throughout the year, and

developing and supporting other members in the organization. Cochrane was recognized at the annual Blue Key Leadership Appreciation Reception. (Drs. Kakali Bhattacharya and Sally Yahnke)

### Hospitality and Dietetics Administration

Eunhye Park

Presented "Understanding Food Allergy and How to Prevent Allergic Reactions" with Junehee Kwon, associate professor of hospitality management, at an event by the K-State Office for the Advancement of Women in Science and Engineering on Feb. 25. (Dr. Junehee Kwon)

Hyung Hwa Oh

Participated in a sushi cooking class for K-State's chapter of Kappa Omicron Nu on Dec. 6, 2016. (Dr. Jichul Jang)

Chen-Wei Tao

Received the \$1,000 College of Human Ecology Doctoral Dissertation Research Award for "Development of restaurant service sabotage scale." The award is for the 2016-2017 school year. (Dr. Junehee Kwon)

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## Contact

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*If you have any questions, comments or corrections, please contact Aaron Entringer (entringer@k-state.edu), Awards and Recognition Subcommittee chair for the Graduate Student Council.*