

RSCAD Opportunities for Undergraduate Students

Faculty (*Includes Contact Information)	Project	Tasks	Possible Outcomes
<p>Anders, K. (kanders8@ksu.edu)</p> <p>*Department of Applied Human Sciences</p>	<p>Sexual Health & Assault Research & Education Team (SHARE Team) Interested in how we improve sexual education and communication in our society? What about college students' sexual behaviors? This is a great team for you!</p> <p>Current primary projects being worked on:</p> <ul style="list-style-type: none"> ▪ Examining whether health care providers are prepared to effectively communicate about sexual development with their patients and how can we improve on it (qualitative and quantitative studies) ▪ College student sexual behaviors, knowledge, and beliefs survey 	<ul style="list-style-type: none"> ▪ Learn to conduct a thorough literature review ▪ Qualitative data experience (interviews) ▪ Clean and code quantitative data ▪ Prepare conference proposal(s) ▪ Prepare manuscript(s) ▪ Present research at university and/or national research forums 	<ul style="list-style-type: none"> ▪ Leadership, service, and research experience ▪ Letter of recommendation ▪ Conference Presentation ▪ Journal articles
<p>Anders, K. (kanders8@ksu.edu), Martinez, E. (erinmartinez@ksu.edu), Ferraro, A. (aferraro@ksu.edu)</p> <p>*Department of Applied Human Sciences</p>	<p>Identity Development Over the Lifespan (IDOL) Primary data collection effort being undertaken to focus on sexual and relational identity across structural changes (i.e., following relationship dissolution or divorce).</p>	<ul style="list-style-type: none"> ▪ Learn to conduct a thorough literature review ▪ Participate in a primary data collection & learn about survey design ▪ Clean and code data ▪ Prepare conference proposal(s) ▪ Prepare manuscript(s) for publication 	<ul style="list-style-type: none"> ▪ Leadership, service, and research experience ▪ Letter of recommendation ▪ Conference presentation ▪ Journal articles
<p>Behnke, Brad (bjbehnke@ksu.edu)</p> <p>*Department of Kinesiology</p>	<p>Do heart failure and aging potentiate diaphragm vascular dysfunction?</p>	<ul style="list-style-type: none"> ▪ Literature searches ▪ Assist in data collection and analysis ▪ Helping prepare figures ▪ General experimental preparation ▪ Laboratory maintenance 	<ul style="list-style-type: none"> ▪ Letter of recommendation ▪ Enhanced resume ▪ Scientific experience ▪ Learn scientific writing ▪ Presentation experience ▪ Potential authorship
<p>Behnke, Brad (bjbehnke@ksu.edu)</p> <p>*Department of Kinesiology</p>	<p>Basic and applied investigations into evaluating cellular and organism level counter measures for cancer</p>	<ul style="list-style-type: none"> ▪ Literature searches ▪ Assist in data collection and analysis ▪ Helping prepare figures ▪ General experimental preparation ▪ Laboratory maintenance 	<ul style="list-style-type: none"> ▪ Letter of recommendation ▪ Enhanced resume ▪ Scientific experience ▪ Learn scientific writing ▪ Presentation experience ▪ Potential authorship
<p>Copp, S. (scopp@ksu.edu)</p> <p>*Department of Kinesiology</p>	<p>Examining the role played by skeletal muscle afferents in the reflex control of sympathetic nervous system activity and blood pressure during exercise in peripheral artery disease and heart failure.</p>	<ul style="list-style-type: none"> ▪ Literature review ▪ Assist in data collection ▪ General experimental preparation ▪ Laboratory maintenance materials for patients 	<ul style="list-style-type: none"> ▪ Letter of recommendation ▪ Enhanced resume ▪ Presentation experience

RSCAD Opportunities for Undergraduate Students

<p>Ferraro, A. (aferraro@ksu.edu), *Department of Applied Human Sciences</p>	<p>Families in transition (FIT) Lab Do you wonder about how and why families struggle or thrive during periods of major life transition? So do we in the FIT lab! We do basic and applied research focused on how families navigate crises, periods of transition, and experiences with trauma.</p> <p>Current projects involved:</p> <ul style="list-style-type: none"> ▪ Exploration of ACEs (adverse childhood experiences) within various subpopulations (military cadets, active service members, divorcing parents) ▪ Measurement development (creating and testing new assessments) of leadership and resilience, parental gatekeeping, divorce adjustment, and sacrifice measures ▪ Fathering, father identity, and father involvement post-divorce or separation 	<ul style="list-style-type: none"> ▪ Work closely with researchers in multiple disciplines (i.e., MFT, private sector) across the country ▪ Learn how to critically and systematically review research literature ▪ Learn how to develop new instruments/measures for use in social science research ▪ Clean and code data ▪ Prepare conference proposal(s) ▪ Prepare manuscript(s) for publication 	<ul style="list-style-type: none"> ▪ Leadership, service, and research experience ▪ Letter of recommendation ▪ Conference Presentation ▪ Journal articles ▪ Networking with educators & faculty across the country
<p>Ferraro, A. (aferraro@ksu.edu), Markham, M. (mmarkham@ksu.edu) *Department of Applied Human Sciences</p>	<p>Divorce Education Assessment Collaborative (DEAC) A multi-state effort to learn more about how divorce education programs work and for whom they are most effective. We work with partner programs from across the country and do applied evaluation research.</p> <p>Current primary projects being worked on:</p> <ul style="list-style-type: none"> ▪ A systematic review of existing divorce-related measures (scales that can be used in surveys to capturing things like conflict, knowledge, cooperation, mental health, social supports, relationship quality) ▪ A qualitative study where we conduct interviews with parents that have experienced divorce during COVID-19 and are sharing about 	<ul style="list-style-type: none"> ▪ Work closely with faculty, educators, therapists, program developers, and researchers across the country ▪ Learn how to chart and review literature ▪ Help design evaluations for programs; learn the process of preparing evaluation reports ▪ Prepare conference proposal(s) ▪ Prepare manuscript(s) for publication experience with applied research 	<ul style="list-style-type: none"> ▪ Leadership, service, and research experience ▪ Letter of recommendation ▪ Conference Presentation ▪ Journal articles ▪ Networking with educators & faculty across the country

RSCAD Opportunities for Undergraduate Students

	<p>their experiences navigating that process</p> <ul style="list-style-type: none"> ▪ Exploring barriers to divorce education participation and what are things that can help parents get what they need out of these programs <p>Learn more: https://www.hhs.k-state.edu/ahs/outreach/deac/</p> <p>WORK CAN BE DONE ENTIRELY REMOTE.</p>		
<p>Francois, J. (ifrancois@ksu.edu)</p> <p>*Department of Applied Human Sciences</p>	<p>KCCTO-KITS Infant-Toddler Specialist Network</p> <p>Provides technical assistance and training to childcare providers in developmental inclusion and early childhood mental health.</p> <ul style="list-style-type: none"> • Uses an adult-capacity building (strengths-based) coaching model to support the growth and development of the childcare workforce • Early childhood special education and infant and early childhood mental health focused • Support in project evaluation <p>Early Intervention (birth – 3 special education)</p> <ul style="list-style-type: none"> • Focused on provision of services from an equity lens, specifically, around how bias influences the delivery of intervention <p>Childcare Assistance (subsidy) needs assessment</p> <ul style="list-style-type: none"> • Examination of the programmatic benefits and barriers to participation in childcare assistance (subsidy) 	<ul style="list-style-type: none"> • Review literature • Child assessment • Data collection • Data management 	<ul style="list-style-type: none"> • Leadership and research experience • Early course credit • Gain experience understanding children's development and early childhood systems • Conference presentation • Journal article
<p>Haar, S. (haar@ksu.edu)</p> <p>*Department of Interior Design and Fashion Studies</p>	<p>Natural Burial: Apparel and Textile Product Development</p>	<ul style="list-style-type: none"> • Review literature • Natural dye sampling • Functional apparel design • Data collection & analysis 	<ul style="list-style-type: none"> • Design exhibited • Design process experience • Conference presentation
<p>Haar, S. (haar@ksu.edu)</p>	<p>Natural Dye Training with International Artisans</p>	<ul style="list-style-type: none"> • Review literature • Natural dye training 	<ul style="list-style-type: none"> • Conference presentation • Video

RSCAD Opportunities for Undergraduate Students

*Department of Interior Design and Fashion Studies		<ul style="list-style-type: none"> Natural video lesson Training manual language translation to Hindi and Malayam 	
Hanson, J. (jhanson2@ksu.edu)	School Nutrition Policy Analysis	<ul style="list-style-type: none"> Review literature Review and analyze policies 	<ul style="list-style-type: none"> Conference presentation Journal article Increased knowledge of child nutrition Enhanced resume
*Department of Food, Nutrition, Dietetics and Health	WORK CAN BE DONE ENTIRELY REMOTE.		
Haub, M. (haub@ksu.edu)	Sports Nutrition Strength/Endurance Sports/Performance	<ul style="list-style-type: none"> Literature reviews Assessing quality of research/studies Data entry Podcasting and video content; recording, editing, content creation (with credit/proof of contribution) 	<ul style="list-style-type: none"> Publications: Systematic and/or scoping reviews Podcasts/Social Media Education Experience in A/V equipment and software, statistics, research methods
*Department of Food, Nutrition, Dietetics and Health			
Haub, M. (haub@ksu.edu)	Cancer Research (JCRC) Treatments on quality of life of patients, caregivers, and families	<ul style="list-style-type: none"> Literature reviews Assessing quality of research/studies Data entry Podcasting and video content; recording, editing, content creation (with credit/proof of contribution) 	<ul style="list-style-type: none"> Publications: Systematic and/or scoping reviews Podcasts/Social Media Education Experience in A/V equipment and software, statistics, research methods
*Department of Food, Nutrition, Dietetics and Health			
Haub, M. (haub@ksu.edu)	Aging/Gerontology Sarcopenia, cachexia, weight loss, Parkinson's Disease	<ul style="list-style-type: none"> Literature reviews Assessing quality of research/studies Data entry Podcasting and video content; recording, editing, content creation (with credit/proof of contribution) 	<ul style="list-style-type: none"> Publications: Systematic and/or scoping reviews Podcasts/Social Media Education Experience in A/V equipment and software, statistics, research methods
*Department of Food, Nutrition, Dietetics and Health			
Haub, M. (haub@ksu.edu)	Dietary Fiber Diabetes, food science, sensory, attributes	<ul style="list-style-type: none"> Literature reviews Assessing quality of research/studies Data entry Podcasting and video content; recording, editing, content creation (with credit/proof of contribution) 	<ul style="list-style-type: none"> Publications: Systematic and/or scoping reviews Podcasts/Social Media Education Experience in A/V equipment and software, statistics, research methods
*Department of Food, Nutrition, Dietetics and Health			
Haub, M. (haub@ksu.edu)	Obesity & Energy Balance Body Composition & Weight gain/Loss	<ul style="list-style-type: none"> Literature reviews Assessing quality of research/studies Data entry Podcasting and video content; recording, editing, content creation (with credit/proof of contribution) 	<ul style="list-style-type: none"> Publications: Systematic and/or scoping reviews Podcasts/Social Media Education Experience in A/V equipment and software, statistics, research methods
*Department of Food, Nutrition, Dietetics and Health			
Johnston, C. (cjohnston@ksu.edu)	Children, Parenting, and Relationships during COVID-19 (CPR-C) This project started in May 2020 and we have followed 1000 families over time (3 waves)	<ul style="list-style-type: none"> Academic writing/manuscript preparation Data collection Survey creation 	<ul style="list-style-type: none"> Research experience Journal articles Professional presentations, both national and international
*Department of Applied Human Sciences			

RSCAD Opportunities for Undergraduate Students

	currently). There is data on work, relationships, child outcomes, well-being (mental and physical health).	<ul style="list-style-type: none"> • Data cleaning • Data analysis • Creating figures 	<ul style="list-style-type: none"> • Letter of recommendation
Kaup, M. (kaup@ksu.edu) *Department of Interior Design and Fashion Studies	Environmental Assessment of Person-Centered Care in PEAK 2.0 Homes	<ul style="list-style-type: none"> • Assisting with graphic design layouts for presentation of case study data • Literature review 	<ul style="list-style-type: none"> • Conference presentation • Journal article • Resume item
LeHew, M. (lehew@ksu.edu) *Department of Interior Design and Fashion Studies	Sustainable Apparel Consumption and Well-Being	<ul style="list-style-type: none"> • Review literature • Project design • Data collection • Data analysis • Write journal articles • Blog content development 	<ul style="list-style-type: none"> • Conference presentation • Journal article • Blog
Lindshield, B. (blindsh@ksu.edu) Hoss-Cruz, K. (khossacruz@ksu.edu) *Department of Food, Nutrition, Dietetics and Health	Determining the Effectiveness of the Anemocheck App in Measuring Hemoglobin Secondary data analysis of mobile device application that screens for iron deficiency anemia in comparison to laboratory tests for same.	<ul style="list-style-type: none"> • Data organization and statistical analysis of the following data: Hemoglobin/hematocrit laboratory test results compared to results from Anemocheck mobile software application 	<ul style="list-style-type: none"> • Conference presentation, abstract, and/or journal article • Qualitative research experience • International /non-English research experience • Letter of recommendation
Poole, David C. (poole@vet.ksu.edu) Much, Tim I. (musch@vet.ksu.edu) *Department of Kinesiology	Role for Nrf2 and exercise in mitigating pulmonary hypertension-induced vascular dysfunction	<ul style="list-style-type: none"> • Literature searches • Assist in data collection and analysis • Helping prepare figures • General experimental preparation • Laboratory maintenance 	<ul style="list-style-type: none"> • Letter of recommendation • Enhanced resume • Scientific experience • Learn scientific writing • Presentation experience • Potential authorship
Poole, David C. (poole@vet.ksu.edu) Much, Tim I. (musch@vet.ksu.edu) *Department of Kinesiology	Effects of dietary nitrate supplementation on tumor oxygenation and microcirculation	<ul style="list-style-type: none"> • Literature searches • Assist in data collection and analysis • Helping prepare figures • General experimental preparation • Laboratory maintenance 	<ul style="list-style-type: none"> • Letter of recommendation • Enhanced resume • Scientific experience • Learn scientific writing • Presentation experience • Potential authorship
Toews, M. (mltoews@ksu.edu) *Department of Applied Human Sciences	Healthy Adolescent and Adult Relationships Research Team (HAARRT) <ul style="list-style-type: none"> • Relationship education and violence prevention • Cyber dating violence meta-analysis • Sexual assault on college campuses 	<ul style="list-style-type: none"> • Review literature • Conduct meta-analysis • Academic writing • Creating research-based infographics • Creating executive summary and recommendations 	<ul style="list-style-type: none"> • Research experience • Letter of recommendation • Conference presentation • Journal article
Toews, M. (mltoews@ksu.edu) Vennum, A. (avennum@ksu.edu)	Expanded Adverse Childhood Experiences (ACEs) Measure	<ul style="list-style-type: none"> • Review literature • Data collection • Data analysis 	<ul style="list-style-type: none"> • Research experience • Letter of recommendation • Conference presentation

RSCAD Opportunities for Undergraduate Students

*Department of Applied Human Sciences		<ul style="list-style-type: none"> • Scale development • Academic writing • Creating research-based infographics 	<ul style="list-style-type: none"> • Journal article
Wiles, B. (bwiles@ksu.edu) *Department of Applied Human Sciences	Applied Research in Childhood Health and Enhancing Resilience (ARCHER) Lab Head Start Reno County needs assessment	<ul style="list-style-type: none"> • Analyze qualitative data • Academic writing • Graphics • Schedule and organize focus groups • Participate in focus group facilitation 	<ul style="list-style-type: none"> • Community presentations • Extension publication • Work with Head Start parents, faculty, and staff • Journal article • Letter of recommendation • Leadership, service, and research experience
Wiles, B. (bwiles@ksu.edu) *Department of Applied Human Sciences	Applied Research in Childhood Health and Enhancing Resilience (ARCHER) Lab NC1171: Individual, family, and community factors associated with resilience in diverse, rural, low-income families (Rural Families Speak about Resilience)	<ul style="list-style-type: none"> • Academic writing • Quantitative analysis • Collaborate with professors in 17 states • Literature searches and reviews • Manuscript preparation 	<ul style="list-style-type: none"> • Extension publications • Journal articles • National webinars • National presentations • Letter of recommendation • Leadership, service, and research experience
Wiles, B. (bwiles@ksu.edu) Ferraro, A. (aferraro@ksu.edu) *Department of Applied Human Sciences	Applied Research in Childhood Health and Enhancing Resilience (ARCHER) Lab Early Childhood Care and Education needs in Kansas Communities with High Social Vulnerability	<ul style="list-style-type: none"> • Academic writing • Public scholarship • Report writing • Writing for public audiences • Presentation preparation • Quantitative Analysis • Work with community coalitions to advance their ECE goals • Literature searches and reviews • Manuscript preparation 	<ul style="list-style-type: none"> • Extension publications • Journal articles • National webinars • National presentations • Letter of recommendation • Leadership, service, and research experience
Yarrow, L. (lyarrow@ksu.edu) Hoss-Cruz, K. (khosscruz@ksu.edu) *Department of Food, Nutrition, Dietetics and Health	Validation of Diabetes Screening Tool to Predict Type 2 Diabetes Mellitus Secondary data analysis of validation of diabetes screening tool used in local communities in the Lake Atitlan/Western Highlands area of Guatemala.	<ul style="list-style-type: none"> • Data organization and statistical analysis of the following data: <ul style="list-style-type: none"> ○ Comparison of results of FINDRISC survey to HgbA1C and finger stick ○ Additional data as indicated: blood pressure, waist circumference, age, sex assigned at birth, family history, dietary pattern, and physical activity levels 	<ul style="list-style-type: none"> • Conference presentation, abstract, and/or journal article • Research (especially statistical) experience • International/non-English research experience • Letter of recommendation
Yarrow, L. (lyarrow@ksu.edu) *Department of Food, Nutrition, Dietetics and Health	Knowledge, Beliefs, and Attitudes on Diabetes and Infant Feeding Practices in Rural Guatemala	<ul style="list-style-type: none"> • Qualitative analysis of two different topics: <ul style="list-style-type: none"> ○ Infant feeding practices ○ Management of Type 2 Diabetes 	<ul style="list-style-type: none"> • Conference presentation, abstract, and/or journal article • Qualitative research experience

RSCAD Opportunities for Undergraduate Students

	Secondary qualitative data analysis of focus groups conducted in local communities in the Lake Atitlan/Western Highlands area of Guatemala.	<ul style="list-style-type: none">• Ability to read and understand Spanish Required	<ul style="list-style-type: none">• International /non-English research experience• Letter of recommendation
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