

# RSCAD Opportunities for Undergraduate Students

Faculty	Project	Tasks	Possible Outcomes
C. Ade (KINES) <a href="mailto:cade@ksu.edu">cade@ksu.edu</a>	Evaluation of current trends in cancer treatment.  Cardio-Oncology: Role of chemotherapy in the development of cardiovascular complications	<ul style="list-style-type: none"> <li>Literature review</li> <li>Participate in data collection</li> <li>Interview oncologists</li> <li>Design educational materials for patients</li> </ul>	<ul style="list-style-type: none"> <li>Letter of recommendation</li> <li>Enhanced résumé</li> </ul>
A. Ferraro (FSHS) <a href="mailto:aferraro@ksu.edu">aferraro@ksu.edu</a>	Co-parenting Across Households - A data collection effort focused on parents in the state of Kansas who have shared minor children but are not in a committed relationship (e.g., divorced, remarried, nonmarital)  Open Positions: 1 (Spring 2018); 2 (Summer 2018) Prerequisite: HDFS 375 or equivalent, or currently enrolled	<ul style="list-style-type: none"> <li>Learn to conduct a thorough literature review</li> <li>Participate in a primary data collection effort using a community sample</li> <li>Clean and code data</li> <li>Prepare conference proposal(s)</li> <li>Prepare manuscript(s) for publication</li> </ul>	<ul style="list-style-type: none"> <li>Leadership, service, and research experience</li> <li>Letter of recommendation</li> <li>Conference presentation</li> <li>Journal article</li> </ul>
A. Ferraro (FSHS) <a href="mailto:aferraro@ksu.edu">aferraro@ksu.edu</a>	Together We Can/Strengthening Families - Program evaluation of the TWC and SF program efforts with K-State Extension  Open Positions: 1 (Spring 2018); 1 (Summer 2018)	<ul style="list-style-type: none"> <li>Work with cooperative extension on evaluation of programming</li> <li>Learn to conduct a thorough literature review</li> <li>Participate in a primary data collection with a community sample</li> <li>Clean and code data</li> <li>Prepare conference proposal(s)</li> <li>Prepare manuscript(s) for publication</li> </ul>	<ul style="list-style-type: none"> <li>Leadership, service, and research experience</li> <li>Letter of recommendation</li> <li>Conference presentation</li> <li>Journal article</li> </ul>
A. Ferraro (FSHS) <a href="mailto:aferraro@ksu.edu">aferraro@ksu.edu</a>	Healthcare Expenditures and Service-related Trauma Among Veterans  Open Positions: 1 (Spring 2018); 1 (Summer 2018) Prerequisite: HDFS 375 or equivalent, or currently enrolled	<ul style="list-style-type: none"> <li>Secondary data analysis</li> <li>Literature review</li> <li>Data cleaning and coding</li> <li>Prepare conference proposal(s)</li> <li>Prepare manuscript(s) for publication</li> <li>Development of impact statement/policy brief</li> </ul>	<ul style="list-style-type: none"> <li>Leadership, service, and research experience</li> <li>Letter of recommendation</li> <li>Conference presentation</li> <li>Journal article</li> </ul>

J. Francois (FSHS) <a href="mailto:jfrancois@ksu.edu">jfrancois@ksu.edu</a>	Preparation of Students to Work in Early Intervention	<ul style="list-style-type: none"> <li>▪ Review literature</li> <li>▪ Survey construction</li> <li>▪ Data collection</li> <li>▪ Data analysis</li> </ul>	<ul style="list-style-type: none"> <li>▪ Conference presentation</li> <li>▪ Journal article</li> </ul>
B. Goff (FSHS) <a href="mailto:bnelson@ksu.edu">bnelson@ksu.edu</a>	Trauma Research, Education and Consultation at K-State (TRECK) Program – A 10 year Follow-up Study with 50 Army Soldiers and their Families	<ul style="list-style-type: none"> <li>▪ Assist with data collection</li> <li>▪ Transcribe interview data</li> <li>▪ Analyze data</li> </ul>	<ul style="list-style-type: none"> <li>▪ Earn course credit</li> <li>▪ Conference presentation*</li> <li>▪ Journal article*</li> </ul> <p>*If you make a one year commitment to the project</p>
B. Goff (FSHS) <a href="mailto:bnelson@ksu.edu">bnelson@ksu.edu</a>	"My Kid Has More Chromosomes Than Yours!" The Journey to Resilience and Hope in Parenting a Child with Down Syndrome	<ul style="list-style-type: none"> <li>▪ Assist with data analysis</li> <li>▪ Assist in writing a book for new parents of children with Down's syndrome</li> </ul>	<ul style="list-style-type: none"> <li>▪ Earn course credit</li> <li>▪ Conference presentation*</li> <li>▪ Journal article*</li> <li>▪ *If you make a one year commitment to the project</li> </ul>
S. Haar (ATID) <a href="mailto:haar@ksu.edu">haar@ksu.edu</a>	Natural Burial: Apparel and Textile Product Development	<ul style="list-style-type: none"> <li>▪ Review literature</li> <li>▪ Natural dye sampling</li> <li>▪ Functional apparel design</li> <li>▪ Data collection &amp; analysis</li> </ul>	<ul style="list-style-type: none"> <li>▪ Design exhibited</li> <li>▪ Design Process Experience</li> <li>▪ Conference presentation</li> </ul>
S. Haar (ATID) <a href="mailto:haar@ksu.edu">haar@ksu.edu</a>	Natural Dye Training with International Artisans	<ul style="list-style-type: none"> <li>▪ Review literature</li> <li>▪ Natural dye training</li> <li>▪ Natural video lesson</li> <li>▪ Training manual language translation to Hindi and Malayam</li> </ul>	<ul style="list-style-type: none"> <li>▪ Conference presentation</li> <li>▪ Video</li> </ul>
J. Hanson (FNDH) <a href="mailto:jhanson2@ksu.edu">jhanson2@ksu.edu</a>	Health Menu Initiative for Children and Adolescents	<ul style="list-style-type: none"> <li>▪ Visits to child care centers</li> <li>▪ Recipe testing</li> <li>▪ Data collection</li> <li>▪ Parent/child education</li> <li>▪ Develop educational materials</li> </ul>	<ul style="list-style-type: none"> <li>▪ Conference presentation</li> <li>▪ Dietetics related experience</li> <li>▪ Letter of recommendation</li> <li>▪ Increased knowledge of child nutrition</li> <li>▪ Enhanced résumé</li> <li>▪ Course credit</li> </ul>

<p>J. Hanson (FNDH) <a href="mailto:jhanson2@ksu.edu">jhanson2@ksu.edu</a></p>	<p>A Tennis Based Program to Improve Diet Quality and Increasing Physical Activity</p>	<ul style="list-style-type: none"> <li>▪ Quickstart Tennis training provided</li> <li>▪ Assist with weekly activities</li> <li>▪ Parent/child education</li> <li>▪ Develop educational materials</li> <li>▪ Data collection</li> </ul>	<ul style="list-style-type: none"> <li>▪ Conference presentation</li> <li>▪ Dietetics related experience</li> <li>▪ Letter of recommendation</li> <li>▪ Increased knowledge of child nutrition</li> <li>▪ Enhanced résumé</li> <li>▪ Course credit</li> </ul>
<p>C. Harms (KINES) <a href="mailto:caharms@ksu.edu">caharms@ksu.edu</a></p>	<p>Sex Differences in the Inspiratory Muscle Metaboreflex</p> <p>Sex Differences in the Development of Exercise-Induced Peripheral Muscle Fatigue</p> <p>Effect of Inspiratory Muscle Fatigue on Exercise-Induced Peripheral Muscle Fatigue: Men vs Women</p> <p>Effect of Aging on the Inspiratory Muscle Metaboreflex</p> <p>Are Lifestyle Factors Associated with Post-Exercise Oxidative Stress and Bronchoconstriction in Children and Adults?</p> <p>Is Physical Activity Level Associated with the Composition of the Lung Microbiome?</p> <p>Do Alterations in Meal Size and Frequency Affect the Airway Inflammatory and Oxidative Stress Response in Insufficiently Active Men?</p> <p>Comparing the Airway Oxidative and Inflammatory Response to Exercise and a High-Fat Meal in Active and Inactive Individuals</p> <p>Does Indoor Air Pollution Affect Lung Health of Low- and Middle-Income Families in Belize?</p> <p>Improved Lung Function Following Dietary Antioxidant Supplementation in Exercise-Induced Asthmatics</p> <p>The Effect of Deep Inspirations Prior to a High-Fat Meal on Post-Prandial Airway Inflammation</p>	<ul style="list-style-type: none"> <li>▪ Review literature</li> <li>▪ Data collection</li> <li>▪ Subject recruitment</li> <li>▪ Data analysis</li> </ul>	<ul style="list-style-type: none"> <li>▪ Conference presentation</li> <li>▪ Journal article</li> <li>▪ Letter of recommendation</li> <li>▪ Enhanced résumé</li> </ul>

<p>K. Heinrich (KINES) <a href="mailto:kmhphd@ksu.edu">kmhphd@ksu.edu</a></p>	<p>Perception of functional improvement in older adults: a high-intensity functional training intervention</p> <p>HIFT for Obesity Prevention, Fitness and Health Promotion in Military Personnel (Army Training at High Intensity Study)</p> <p>Confidence Improvements through the Use of Exercise Modifications</p> <p>The First 20 Exercise Training Program and Fire Academy Recruits' Fitness and Health</p> <p>The Campus Effect Project: Campus Built Environment and Active Transportation &amp; Commuting</p>	<ul style="list-style-type: none"> <li>▪ Review literature</li> <li>▪ Data collection</li> <li>▪ Data entry</li> <li>▪ Data analysis</li> </ul>	<ul style="list-style-type: none"> <li>▪ Earn course credit</li> <li>▪ Conference presentation</li> <li>▪ Journal article</li> <li>▪ Letter of recommendation</li> <li>▪ Enhanced résumé</li> </ul>
<p>B. Irwin (KINES) <a href="mailto:bcirwin@ksu.edu">bcirwin@ksu.edu</a></p>	<p>Tiny houses and health. Measuring the characteristics and impact of tiny houses and tiny house villages on health and health behavior.</p>	<ul style="list-style-type: none"> <li>▪ Conduct sit visits/collect data</li> <li>▪ Data management</li> <li>▪ Transcription</li> </ul>	<ul style="list-style-type: none"> <li>▪ Conference presentation</li> <li>▪ Journal article</li> <li>▪ Letter of reference</li> </ul>
<p>B. Irwin (KINES) <a href="mailto:bcirwin@ksu.edu">bcirwin@ksu.edu</a></p>	<p>Health podcast launch</p>	<ul style="list-style-type: none"> <li>▪ Studio set-up</li> <li>▪ Audio/video editing</li> <li>▪ Survey construction</li> <li>▪ Review literature</li> </ul>	<ul style="list-style-type: none"> <li>▪ Conference presentation</li> <li>▪ Letter of reference</li> <li>▪ Enhanced résumé</li> </ul>
<p>M. Kaup (ATID) <a href="mailto:kaup@ksu.edu">kaup@ksu.edu</a></p>	<p>Environmental Assessment of Person-centered care in PEAK 2.0 Homes</p>	<ul style="list-style-type: none"> <li>▪ Assisting with graphic design layouts for presentation of case-study data</li> <li>▪ Literature Review</li> </ul>	<ul style="list-style-type: none"> <li>▪ Conference presentation</li> <li>▪ Journal article</li> <li>▪ Resume item</li> </ul>
<p>T. Kidd (FNDH) <a href="mailto:martan@ksu.edu">martan@ksu.edu</a></p>	<p>Obesity Prevention</p>	<ul style="list-style-type: none"> <li>▪ Recruit participants</li> <li>▪ Assist with physical assessments (e.g., height, weight, blood pressure, etc.)</li> </ul>	<ul style="list-style-type: none"> <li>▪ Increased understanding of the methodology associated with recruiting human subjects</li> </ul>
<p>J. Kwon (HM) <a href="mailto:jkwon@ksu.edu">jkwon@ksu.edu</a></p>	<p>Child Nutrition Program POS Use</p>	<ul style="list-style-type: none"> <li>▪ Content analysis</li> <li>▪ Online survey development</li> </ul>	<ul style="list-style-type: none"> <li>▪ Conference presentation</li> <li>▪ Journal article</li> </ul>
<p>M. LeHew (ATID) <a href="mailto:lehew@ksu.edu">lehew@ksu.edu</a></p>	<p>Sustainable Apparel Consumption and Well-Being</p>	<ul style="list-style-type: none"> <li>▪ Review literature</li> <li>▪ Project design</li> <li>▪ Data collection</li> <li>▪ Data analysis</li> <li>▪ Write journal articles</li> <li>▪ Blog content development</li> </ul>	<ul style="list-style-type: none"> <li>▪ Conference presentation</li> <li>▪ Journal article</li> <li>▪ Blog</li> </ul>

<p>K. Malek (HM) <a href="mailto:kristinmalek@ksu.edu">kristinmalek@ksu.edu</a></p>	<p>Event Capstone Course Importance</p>	<ul style="list-style-type: none"> <li>▪ Review literature</li> <li>▪ Data entry</li> <li>▪ Write conference proposals</li> </ul>	<ul style="list-style-type: none"> <li>▪ Increased understanding of the importance of hands-on applications in providing college students transformational experiences</li> <li>▪ Conference presentation</li> <li>▪ Journal article</li> </ul>
<p>M. Markham (FSHS) <a href="mailto:mmarkham@ksu.edu">mmarkham@ksu.edu</a></p>	<p>Military Divorce Communication</p>	<ul style="list-style-type: none"> <li>▪ Review literature</li> <li>▪ Participant recruitment</li> <li>▪ Participate in interviews</li> <li>▪ Transcription</li> <li>▪ Assist in analyzing qualitative data</li> <li>▪ Assist in writing conference proposals and journal articles</li> </ul>	<ul style="list-style-type: none"> <li>▪ Conference presentation</li> <li>▪ Journal article</li> </ul>
<p>K. Morgan (FSHS) <a href="mailto:kmmorgan@ksu.edu">kmmorgan@ksu.edu</a></p>	<p>Projects related to undergraduate teaching and learning</p>	<ul style="list-style-type: none"> <li>▪ Activities will vary depending on the project and student interest</li> </ul>	<ul style="list-style-type: none"> <li>▪ Conference presentation</li> <li>▪ Journal article</li> </ul>
<p>B. Orthel (ATID) <a href="mailto:orthel@ksu.edu">orthel@ksu.edu</a></p>	<p>Analysis of Historical Place &amp; Contemporary Values (Frankfort, KS; modern new media; other place-based topics)</p>	<ul style="list-style-type: none"> <li>▪ Qualitative coding</li> <li>▪ Narrative analysis</li> <li>▪ Oral history interviews</li> <li>▪ Archival research</li> </ul>	<ul style="list-style-type: none"> <li>▪ Conference presentation</li> <li>▪ Journal article</li> </ul>
<p>Dr. Paola Paez Dr. Kelly Whitehair Dr. Carol Shanklin (HM) <a href="mailto:paolap@ksu.edu">paolap@ksu.edu</a></p>	<p>Reducing Wasted Food: A Sustainability Initiative at JP's Sports Bar</p>	<ul style="list-style-type: none"> <li>▪ Assist with data collection</li> <li>▪ Data entry</li> <li>▪ Data analysis</li> <li>▪ Training of participants</li> </ul>	<ul style="list-style-type: none"> <li>▪ Research experience</li> <li>▪ Analysis and report writing experience</li> <li>▪ Monetary reimbursement for work</li> <li>▪ Journal article*</li> </ul> <p>*If you get involved in all the phases of the project</p>
<p>S. Rosenkranz (FNDH) <a href="mailto:sararose@ksu.edu">sararose@ksu.edu</a></p>	<p>Evaluation of Variations in Nutritional Quality of School Lunches Meeting NSLP Guidelines by Socioeconomic Status</p>	<ul style="list-style-type: none"> <li>▪ Nutrient Analysis via food processor software</li> </ul>	<ul style="list-style-type: none"> <li>▪ Research and scientific writing experience</li> <li>▪ Conference presentation</li> <li>▪ Journal article</li> </ul>

S. Rosenkranz (FNDH) <a href="mailto:sararose@ksu.edu">sararose@ksu.edu</a>	Acceptability and Feasibility of Best Practice School Lunches: a randomized crossover trial	<ul style="list-style-type: none"> <li>▪ Cooking</li> <li>▪ Calculating food quantities</li> <li>▪ Completing food waste analysis</li> <li>▪ Completing food preference surveys with children</li> <li>▪ Monitoring children's meals</li> <li>▪ Food safety knowledge</li> <li>▪ Cleaning dishes and kitchens</li> </ul>	<ul style="list-style-type: none"> <li>▪ Research and scientific writing experience</li> <li>▪ Conference presentation</li> <li>▪ Journal article</li> </ul>
S. Rosenkranz (FNDH) <a href="mailto:sararose@ksu.edu">sararose@ksu.edu</a>	Tap To Togetherness	<ul style="list-style-type: none"> <li>▪ Accelerometry</li> <li>▪ Assisting with Tap To Togetherness sessions</li> <li>▪ Survey data analysis</li> </ul>	<ul style="list-style-type: none"> <li>▪ Research and scientific writing experience</li> <li>▪ Conference presentation</li> <li>▪ Journal article</li> </ul>
S. Rosenkranz (FNDH) <a href="mailto:sararose@ksu.edu">sararose@ksu.edu</a>	Effects of sugar-sweetened beverage (SSB) consumption on insulin sensitivity, pulmonary function, and metabolic syndrome	<ul style="list-style-type: none"> <li>▪ Assist with data collection</li> <li>▪ Accelerometry</li> <li>▪ Data analysis</li> </ul>	<ul style="list-style-type: none"> <li>▪ Research and scientific writing</li> <li>▪ Conference presentation</li> <li>▪ Journal article</li> </ul>
S. Rosenkranz (FNDH) <a href="mailto:sararose@ksu.edu">sararose@ksu.edu</a>	The effects of vitamin C supplementation on exercise-induced bronchoconstriction (EIB)	<ul style="list-style-type: none"> <li>▪ Assist with data collection <ul style="list-style-type: none"> <li>▪ blood work</li> <li>▪ pulmonary function</li> <li>▪ exercise testing</li> </ul> </li> <li>▪ Data analysis</li> </ul>	<ul style="list-style-type: none"> <li>▪ Research and scientific writing</li> <li>▪ Conference presentation</li> <li>▪ Journal article</li> </ul>
S. and R. Rosenkranz (FNDH) <a href="mailto:sararose@ksu.edu">sararose@ksu.edu</a> <a href="mailto:ricardo@ksu.edu">ricardo@ksu.edu</a>	Enhanced Health Promotion in Girl Scouts through Video-Based Leader Wellness Training	<ul style="list-style-type: none"> <li>▪ Attend Girl Scout troop meetings to assist with data collection</li> <li>▪ Accelerometry</li> <li>▪ Direct observation of meetings</li> <li>▪ Interact with troop leaders for health promotion</li> <li>▪ Assist with online/video based wellness training program development</li> <li>▪ Survey data analysis</li> <li>▪ Scientific writing</li> </ul>	<ul style="list-style-type: none"> <li>▪ Research and scientific writing experience</li> <li>▪ Conference presentation</li> <li>▪ Journal article</li> </ul>
M. Syme (FSHS) <a href="mailto:msyme@ksu.edu">msyme@ksu.edu</a>	Sexual Well-Being and Aging	<ul style="list-style-type: none"> <li>▪ Review literature</li> <li>▪ Project development</li> <li>▪ Data analysis</li> <li>▪ Academic writing</li> </ul>	<ul style="list-style-type: none"> <li>▪ Conference presentation</li> <li>▪ Journal article</li> </ul>

M. Toews (FSHS) <a href="mailto:mltoews@ksu.edu">mltoews@ksu.edu</a>	Healthy Adolescent Relationships Research Team	<ul style="list-style-type: none"> <li>▪ Review literature</li> <li>▪ Analyze quantitative data</li> <li>▪ Code qualitative data</li> <li>▪ Academic writing</li> </ul>	<ul style="list-style-type: none"> <li>▪ Conference presentation</li> <li>▪ Journal article</li> </ul>
M. Toews (FSHS) and A. Vennum (FSHS) <a href="mailto:mltoews@ksu.edu">mltoews@ksu.edu</a> <a href="mailto:avennum@ksu.edu">avennum@ksu.edu</a>	#RELATIONSHIPGOALS: Assessing the Effectiveness of a Relationship Education Program Aimed to Reduce Teen Pregnancy and Promote Behavioral Health and Social and Emotional Well-Being Among 7 <sup>th</sup> and 9 <sup>th</sup> Grade Youth	<ul style="list-style-type: none"> <li>▪ Review literature</li> <li>▪ Analyze quantitative data</li> <li>▪ Transcribe focus group interviews</li> <li>▪ Code qualitative data</li> <li>▪ Academic writing</li> </ul>	<ul style="list-style-type: none"> <li>▪ Conference presentation</li> <li>▪ Journal article</li> </ul>
A. Vennum (FSHS) <a href="mailto:avennum@ksu.edu">avennum@ksu.edu</a>	Relevate (A mobile relationship education resource for emerging adults) <a href="https://www.facebook.com/MyRelevate">https://www.facebook.com/MyRelevate</a>	<ul style="list-style-type: none"> <li>▪ Marketing: planning and executing events (both on-campus and via social media) to promote healthy relationships</li> <li>▪ Content Development: making relationship research accessible to emerging adults by developing research-informed infographics, animations, videos, articles, or graphics to use in social media on healthy romantic relationships</li> <li>▪ Formative Research (Beta testing)</li> </ul>	<ul style="list-style-type: none"> <li>▪ Leadership, service, &amp; research to put on your CV</li> <li>▪ Papers and conference presentations</li> <li>▪ Media experience</li> <li>▪ Networking with relationship experts around the country</li> <li>▪ Building local networks on campus and in the community</li> </ul>
W. Wang (FNDH) <a href="mailto:Wwang@ksu.edu">Wwang@ksu.edu</a>	Determining the Bioavailability of Sorghum Phenolic Compounds	<ul style="list-style-type: none"> <li>▪ Extraction of phenolic compounds from various sorghum accessions</li> <li>▪ Cell culture maintenance and treatment</li> </ul>	<ul style="list-style-type: none"> <li>▪ Conference presentation</li> <li>▪ Journal article</li> </ul>
B. Wiles (FSHS) <a href="mailto:bwiles@ksu.edu">bwiles@ksu.edu</a>	Building Family Resilience Through Dance	<ul style="list-style-type: none"> <li>▪ Review literature</li> <li>▪ Grant writing</li> <li>▪ Data collection</li> <li>▪ Data analysis</li> </ul>	<ul style="list-style-type: none"> <li>▪ Conference presentation</li> <li>▪ Journal article</li> </ul>
B. Wiles (FSHS)* *contact Kolia Souza at <a href="mailto:ksouza@ksu.edu">ksouza@ksu.edu</a>	The Adaptive Learning Environment Community: Applying Four Work Mode Theory to Foster Creativity in a Fourth and Fifth Grade Classroom	<ul style="list-style-type: none"> <li>▪ Coding data</li> <li>▪ Assist with manuscript preparation</li> </ul>	<ul style="list-style-type: none"> <li>▪ Research experience</li> <li>▪ Conference presentation</li> <li>▪ Journal article</li> </ul>