# RSCAD Opportunities for Undergraduate Students

<table>
<thead>
<tr>
<th>Faculty</th>
<th>Project</th>
<th>Tasks</th>
<th>Possible Outcomes</th>
</tr>
</thead>
</table>
| C. Ade (KINES) cade@ksu.edu | Projects are currently focused on understanding changes in cardiovascular function with disease progression (i.e., cancer chemotherapy, hypertension, MI, CAD/PAD) and the cardiovascular consequences of long-duration spaceflight. We achieve this via non-invasive cardiovascular imaging (cardiac and vascular), molecular biomarkers of cardiovascular function, left ventricular mechanics, and integrative control of arterial vasodilator and constrictor responses. | ▪ Literature review  
▪ Participate in data collection  
▪ Interview oncologists  
▪ Design educational materials for patients | ▪ Letter of recommendation  
▪ Enhanced résumé |
| K. Anders, E. Yelland, & A. Ferraro (AHS) kanders8@ksu.edu erinyelland@ksu.edu aferraro@ksu.edu | Identity Development Over the Lifespan (IDOL) - Primary data collection effort being undertaken to focus on sexual, relational, and parental identity across developmental periods, ranging from early adolescence to older adulthood, and transitions across the lifespan. WORK CAN BE DONE ENTIRELY REMOTE | ▪ 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 | ▪ Leadership, service, and research experience  
▪ Letter of recommendation  
▪ Conference presentation  
▪ Journal article |
| S. Copp (KINES) scopp@ksu.edu | 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. | ▪ Literature searches  
▪ Assist in data collection and analysis  
▪ General experimental preparation  
▪ Laboratory maintenance. | ▪ Letter of recommendation  
▪ Enhanced résumé  
▪ Presentation experience |
| S. Dietrich (FNDH) sdietrich@ksu.edu | Head, neck and spine injury prevention: Behavioral analysis of American football tackling technique. | ▪ Assist with parent/child education  
▪ Assist with data collection (3D motion capture)  
▪ Develop educational materials  
▪ Training in TPA and SATT analysis  
▪ Heads Up coaches certification  
▪ Visits to youth football practice | ▪ Research Development & Service  
▪ Earn course credit  
▪ Student Poster Presentation*  
▪ Conference Poster*  
▪ One-year commitment  
▪ Journal Abstract  
▪ Letter of recommendation |
| S. Dietrich  
(FNDH)  
sdietrich@ksu.edu | **Modified Delphi study on American Football Tackling Technique** | ▪ Assist with Literature Review  
▪ (online) Survey development  
▪ Develop Qualitative Interview  
▪ Assist Focus Group/Member check  
▪ Manuscript development  
▪ Explore grant funding opportunities  
▪ Research Development & Service  
▪ Earn course credit  
▪ Student Poster Presentation*  
▪ Conference Poster*  
▪ One-year commitment  
▪ Journal Abstract  
▪ Letter of recommendation | | | |
| S. Dietrich  
(FNDH)  
sdietrich@ksu.edu | **Enriching the lives of veterans by connecting communities through physical and social and service events.** | ▪ Engage veterans in physical and social activities  
▪ Organize, Promote, Participate/lead Yoga, Meditation, Functional Fitness, Running and Social activities  
▪ Leadership development  
▪ Teambuilding VSO activities  
▪ Leadership Development & Service  
▪ Teambuilding Adventures  
▪ Student Poster Presentation  
▪ Letter of recommendation  
▪ Résumé Development and critique  
▪ Leadership, service, and research experience  
▪ Letter of recommendation  
▪ Conference presentation  
▪ Journal article  
▪ Networking with educators & faculty across the country | | | |
| S. Dietrich  
(FNDH)  
sdietrich@ksu.edu | **Investigating and understanding compassion fatigue among Athletic Training Professionals.** | ▪ Article Review and analysis  
▪ (online) Survey development  
▪ Assist w/Qualitative Interview data  
▪ Assist Focus Group/Member check  
▪ Manuscript development  
▪ Explore grant funding opportunities  
▪ Earn course credit  
▪ Student Poster Presentation*  
▪ Conference Poster*  
▪ One-year commitment  
▪ Journal Abstract/Article  
▪ Letter of recommendation | | | |
| A. Ferraro & M. Markham  
(AHS)  
aferraro@ksu.edu  
mmarkham@ksu.edu | **Divorce Education Assessment Collaborative (DEAC) - A multi-state effort to evaluate the effectiveness of divorce education programs (online and in-person) across the country. A sub-project is also focused on a systematic review of existing divorce education assessment tools.**  
**WORK CAN BE DONE ENTIRELY REMOTE** | ▪ Work closely with faculty, educators, and researchers across the country  
▪ Literature review  
▪ Help design evaluations for programs  
▪ Clean and code data  
▪ Prepare conference proposal(s)  
▪ Prepare manuscript(s) for publication  
▪ Experience with applied research  
▪ Leadership, service, and research experience  
▪ Letter of recommendation  
▪ Conference presentation  
▪ Journal article  
▪ Networking with educators & faculty across the country | | | |
| J. Francois  
(AHS)  
jfrancois@ksu.edu | Preschool Outdoor Plan, Physical Activity Social Skills Project (POPPAS)  
Open positions Fall/Spring: 9 in a variety of areas including child assessment, data collection, data analysis, data management, video coding | ▪ Review literature  
▪ Child assessment  
▪ Data collection  
▪ Data management  
▪ Data analysis  
▪ Video coding | ▪ Leadership and research experience  
▪ Early course credit  
▪ Gain experience working with young children  
▪ Conference presentation  
▪ Journal article |
| --- | --- | --- | --- |
| S. Haar  
(ATID)  
haar@ksu.edu | Natural Burial: Apparel and Textile Product Development | ▪ Review literature  
▪ Natural dye sampling  
▪ Functional apparel design  
▪ Data collection & analysis | ▪ Design exhibited  
▪ Design Process Experience  
▪ Conference presentation |
| S. Haar  
(ATID)  
haar@ksu.edu | Natural Dye Training with International Artisans | ▪ Review literature  
▪ Natural dye training  
▪ Natural video lesson  
▪ Training manual language translation to Hindi and Malayam | ▪ Conference presentation  
▪ Video |
| J. Hanson  
(FNDH)  
jhanson2@ksu.edu | Health Menu Initiative for children and adolescents of military families.  
**All work except nutrient analysis can be done remotely** | ▪ Assist with recipe testing  
▪ Assist with virtual training for foodservice personnel  
▪ Develop educational materials for school-aged children  
▪ Work with nutrient analysis software | ▪ Conference presentation  
▪ Journal article  
▪ Increased knowledge of child nutrition  
▪ Enhanced résumé |
| J. Hanson  
(FNDH)  
jhanson2@ksu.edu | Vegetarian meals/menus among children and adolescents in Kansas and nationally.  
**All work except nutrient analysis can be done remotely** | ▪ Assist with survey development and data collection  
▪ Work with nutrient analysis software  
▪ Literature review  
▪ Data analysis | ▪ Conference presentation  
▪ Journal article  
▪ Increased experience & knowledge  
▪ Enhanced résumé |
<table>
<thead>
<tr>
<th>Name</th>
<th>Email</th>
<th>Research Area</th>
<th>Tasks</th>
<th>Benefits</th>
</tr>
</thead>
</table>
| K. Heinrich (KINES)           | kmhphd@ksu.edu         | HIFT for Obesity Prevention, Fitness and Health Promotion in Military Personnel | - Review literature  
- Data collection  
- Data entry  
- Data analysis | - Earn course credit  
- Conference presentation  
- Journal article  
- Letter of recommendation  
- Enhanced résumé  
- Science communication products (infographic, podcast, social media posts) |
| M. Kaup (ATID)                | kaup@ksu.edu           | Environmental Assessment of Person-centered care in PEAK 2.0 Homes            | - Assisting with graphic design layouts for presentation of case-study data  
- Literature Review | - Conference presentation  
- Journal article  
- Résumé item                                                                 |
| T. Kidd (FNDH)                | martan@ksu.edu         | Obesity Prevention/Chronic Disease Prevention                                 | - Review literature  
- Data entry/cleaning  
- Data analysis  
- Develop nutrition education resources | - Journal article  
- Conference presentation  
- Increased understanding of scientific writing  
- Enhanced résumé  
- Increased understanding of factors influencing health |
| J. Kwon (HM)                  | jkwon@ksu.edu          | Child Nutrition Program POS Use                                               | - Content analysis  
- Online survey development | - Conference presentation  
- Journal article                                                                 |
| M. LeHew (ATID)               | lehew@ksu.edu          | Sustainable Apparel Consumption and Well-Being                               | - Review literature  
- Project design  
- Data collection  
- Data analysis  
- Write journal articles  
- Blog content development | - Conference presentation  
- Journal article  
- Blog                                                                 |
| M. Markham K. Morgan (AHS)    | mmarkham@ksu.edu       | Undergraduate Research in HDFS                                               | - Conduct interviews  
- Assist in coding interview data  
- Assist in writing conference proposals and journal articles | - Research and scientific writing experience  
- Conference presentation  
- Journal article                                                                 |
| M. Markham (AHS)              | mmarkham@ksu.edu       | Young Adult Relationship with Grandparents and Siblings                       | - Review literature  
- Participant recruitment  
- Assist in writing conference proposals and journal articles | - Research and scientific writing experience  
- Conference presentation  
- Journal article                                                                 |
<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>Email</th>
<th>Projects</th>
<th>Activities</th>
<th>Contributions</th>
</tr>
</thead>
<tbody>
<tr>
<td>K. Morgan</td>
<td>(AHS)</td>
<td><a href="mailto:kmmorgan@ksu.edu">kmmorgan@ksu.edu</a></td>
<td>Projects related to undergraduate teaching and learning</td>
<td>Activities will vary depending on the project and student interest</td>
<td>Conference presentation, Journal article</td>
</tr>
<tr>
<td>D. Norris</td>
<td>(AHS)</td>
<td><a href="mailto:djnorris@ksu.edu">djnorris@ksu.edu</a></td>
<td>Child Care Quality Policy Analysis: Explicit and Implicit Expectations for Pedagogical Leadership Project</td>
<td>Review literature, Analyzing state childcare policies, Data entry, Data analysis</td>
<td>Research and scientific writing experience, Conference presentation, Journal article</td>
</tr>
<tr>
<td>D. Norris</td>
<td>(AHS)</td>
<td><a href="mailto:djnorris@ksu.edu">djnorris@ksu.edu</a></td>
<td>Early Childhood Leadership in Pretend Play</td>
<td>Code video data, Transcribe video data, Data entry, Data analysis</td>
<td>Research and scientific writing experience, Conference presentation, Journal article</td>
</tr>
<tr>
<td>D. Poole T. Musch</td>
<td>(KINES/A&amp;P)</td>
<td><a href="mailto:poole@vet.ksu.edu">poole@vet.ksu.edu</a></td>
<td>Investigating the oxygen transport pathway in health and disease. Various projects related to understanding exercise intolerance in heart failure and diabetes.</td>
<td>Assisting with all aspects of studies: animal husbandry, data collection, data analysis as time commitment and experience allow.</td>
<td>Research and scientific writing experience, Contribute to decreasing the burden of disease, Letter of recommendation, Consideration for travel to scientific meetings, presentation of research and authorship on scientific publications as contribution warrants.</td>
</tr>
<tr>
<td>S. Rosenkranz</td>
<td>(FNDH)</td>
<td><a href="mailto:sararose@ksu.edu">sararose@ksu.edu</a></td>
<td>The effects of starches on postprandial glucose and insulin.</td>
<td>Assist with data collection, Blood work, Data analysis</td>
<td>Research and scientific writing experience, Conference presentation, Journal article</td>
</tr>
<tr>
<td>S. Rosenkranz</td>
<td>(FNDH)</td>
<td><a href="mailto:sararose@ksu.edu">sararose@ksu.edu</a></td>
<td>Effects of strawberry consumption on cardiovascular and metabolic outcomes</td>
<td>Assist with data collection, Blood work, Data analysis</td>
<td>Research and scientific writing experience, Conference presentation, Journal article</td>
</tr>
<tr>
<td>S. and R. Rosenkranz</td>
<td>(FNDH)</td>
<td><a href="mailto:sararose@ksu.edu">sararose@ksu.edu</a> <a href="mailto:ricardo@ksu.edu">ricardo@ksu.edu</a></td>
<td>Enhanced Health Promotion in Girl Scouts through Video-Based Leader Wellness Training</td>
<td>Attend Girl Scout troop meetings to assist with data collection, Accelerometry, Direct observation of meetings, Interact with troop leaders for health promotion, Assist with online/video based wellness training program development, Survey data analysis, Scientific writing</td>
<td>Research and scientific writing experience, Conference presentation, Journal article</td>
</tr>
</tbody>
</table>
| M. Syme (AHS)    | Sexual Well-Being and Aging | - Review literature  
- Project development  
- Data analysis  
- Academic writing | - Conference presentation  
- Journal article |
|------------------|----------------------------|----------------------------------------------------------------|----------------------------------------------------------------|
| M. Toews (AHS)   | Healthy Adolescent and Adult Relationships Research Team (HAARRT)  
- Adolescent parents’ relationships  
- Teen dating violence  
- Sexual assault on college campuses | - Review literature  
- Academic writing  
- Creating research-based infographics | - Conference presentation  
- Journal article |
| A. Vennum (AHS)  | Releivate (A mobile relationship education resource for emerging adults)  
https://www.facebook.com/MyReleivate | - Marketing: planning and executing events (both on-campus and via social media) to promote healthy relationships  
- 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  
- Formative Research (Beta testing) | - Leadership, service, & research to put on your CV  
- Papers and conference presentations  
- Media experience  
- Networking with relationship experts around the country  
- Building local networks on campus and in the community |
| W. Wang (FNDH)   | Determining the Bioavailability of Sorghum Phenolic Compounds | - Extraction of phenolic compounds from various sorghum accessions  
- Cell culture maintenance and treatment | - Conference presentation  
- Journal article |
| B. Wiles (AHS)   | Rural Families – Access to Quality, Affordable Child Care | - Coding data  
- Assist with manuscript preparation | - Research experience  
- Conference presentation  
- Journal article |