



SHP Student Interns for Research and Scholarly Activities Application of Project Proposal Form

Instructions:

Please fill out the form and return via email to Michele Sisco (mcoral@shp.rutgers.edu) by **March 25, 2024**. Please fill each box to the right of each required field. If you are sending attachments, please ensure your contact information is added to all your forms.

Faculty Contact Information:

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|---------------------|--|
| Date submitted: | February 12, 2024 |
| Faculty Name: | Laura Byham-Gray, PhD, RDN |
| Department/Program: | Clinical and Preventive Nutrition Sciences |
| Telephone number: | 973.972.1605 |
| E-mail: | laura.byham.gray@rutgers.edu |

Project Detail:

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| Project Title: (56 characters max) | Comparison of Body Composition Measurements Used in the Prediction of Energy Expenditure in Chronic Kidney Disease |
| Hypothesis: | Body composition equations that better estimate fat free mass will more precisely predict energy expenditure in chronic kidney disease. |
| Description: (Include design, methodology, data collection, techniques, data analysis to be employed, evaluation and interpretation methodology for research component) | This study was a secondary analysis of an existing data set from the <i>Rutgers Nutrition and Kidney Database</i> (N=210). The level of agreement between equations was analyzed using intraclass correlation coefficient (ICC). The level of agreement between mREE and eREE was analyzed using Bland Altman analysis. |
| Specific Student Responsibilities: | Student will be responsible for: <ol style="list-style-type: none"> 1. Updating research literature as relevant. 2. Shaping the MS research thesis (Kratovil, Brody, Sackey and Byham-Gray, 2022) into a peer-reviewed manuscript. 3. Submitting the manuscript to an approved peer-reviewed journal. |
| Start / end date of | June 15-August 15, 2024 |

project:

Educational:

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| <p>WHAT OTHER EDUCATIONAL OPPORTUNITIES ARE AVAILABLE TO STUDENTS? (e.g., journal club, seminars, clinic, rounds)</p> | <p>The student will be able to participate in regularly scheduled research advisement sessions with Rutgers faculty.</p> <p>The student will hone skills for scientific writing.</p> <p>The student will learn the processes related to manuscript submission.</p> |
| <p>WHERE DO YOU PLAN TO PRESENT OR PUBLISH THE FINDINGS WITH THE STUDENT? (e.g., national or state meetings, newsletter or journal, SHP poster day)</p> | <p><i>Journal of Renal Nutrition</i></p> <p>This research was presented at the 2023 SHP Research Day and the National Kidney Foundation Spring Clinical Meeting by Ashley Kratovil.</p> <p>The topic is of considerable interest to the practice of nutrition and merits high clinical utility.</p> |

CHECK ALL APPROPRIATE BOXES BELOW AND PROVIDE REQUESTED INFORMATION.

This project is: clinical laboratory behavioral survey educational

Other: please specify: research dissemination

This project involves the use of human subjects (including chart review, retrospective studies and questionnaires).

Pending Approved IRB Protocol Number _____

IRB approval must be obtained by June 2024

Jane Ziegler _____
Signature of Department Chair

Date 3/1/24

OR-For internal use

Form: (1)

Reviewed date: _____

Date processed on website: _____