

**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:

Date submitted:	3-25-24
Faculty Name:	Rebecca Brody, PhD, RD, LD, CNSC
Department/Program:	Clinical and Preventive Nutrition Sciences
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Project Detail:

Project Title: (56 characters max)	Bridging Innovation and Practice: A Literature Review of Using AI in Health Professions Education
Hypothesis:	With the rapid integration of the use of AI in teaching, applications in health professions education are emerging. Using AI for clinical simulation poses an exciting opportunity to help students practice and hone skills before entering clinical experiences. The literature in this area is growing, including papers addressing the use of AI-powered simulations for clinical decision-making, interviewing, case studies, and clinical skill attainment. We hypothesize that literature exists to provide a framework for best practices of using AI in health professions education.
Description: (Include design, methodology, data collection, techniques, data analysis to be employed, evaluation and interpretation methodology for research component)	This proposed project includes conducting a comprehensive literature review on the uses of AI in health professions education. The student will contribute to manuscript development on this topic and analysis of pilot data related to the use of AI in a current course. The student will also participate in the development of training materials for the use of AI in clinical education.
Specific Student Responsibilities:	<ol style="list-style-type: none"> 1. Conduct a comprehensive literature review on the use of AI in health professions teaching. Work with the Rutgers Librarians to conduct the systematic literature search. 2. Assist in writing sections of a manuscript based on the literature review. 3. Develop training materials (i.e., slide deck) on using AI in clinical education.

Start / end date of project:	June 1, 2024 – August 15, 2024
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Educational:

<p>WHAT OTHER EDUCATIONAL OPPORTUNITIES ARE AVAILABLE TO STUDENTS? (e.g., journal club, seminars, clinic, rounds)</p>	<p>The student will be a co-author of the manuscript and encouraged to present the findings to the Department of Clinical and Preventive Nutrition Sciences. The student will also receive mentorship from adjunct faculty member Dr. Jason Stevens, who is an expert in the use of AI in education.</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>The manuscript will likely be submitted to the Journal of Nutrition Education and Behavior, The Clinical Teacher, or a related interprofessional journal. The project will also be submitted for consideration of a WIP education presentation for SHP faculty and to the SHP Student Research and Scholarship Day.</p>

CHECK ALL APPROPRIATE BOXES BELOW AND PROVIDE REQUESTED INFORMATION.

This project is: clinical laboratory behavioral survey educational
 Other: please specify _____

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

Pending Approved IRB Protocol Number _____

IRB approval must be obtained by June 2024

Jane Ziegler

Signature of Department Chair

3/25/24
Date

OR-For internal use
Form: (1)

Reviewed date:_____

Date processed on website:_____