



## **SHP Student Interns for Research and Scholarly Activities Project Proposal Form**

### **Instructions:**

**Please fill each box to the right of the required fields, obtain the required signature and return via email to Michele Sisco ([mcoral@shp.rutgers.edu](mailto:mcoral@shp.rutgers.edu)) by **March 24, 2025**.**

If you are sending attachments, please ensure your contact information is added to all your forms.

### **Faculty Contact Information:**

|                     |  |
|---------------------|--|
| Date submitted:     | 4/1/2025                                   |
| Faculty Name:       | SHRISTI RAWAL                              |
| Department/Program: | CLINICAL AND PREVENTIVE NUTRITION SCIENCES |
| Telephone number:   | 8606908495                                 |
| E-mail:             | SHRISTI.RAWAL@RUTGERS.EDU                  |

### **Project Detail:**

|  |   |
|--|---|
| Project Title: (56 characters max)   | The Camden Study-A Pregnancy Cohort Study of Pregnancy Complications and Birth Outcomes in Camden, New Jersey, USA  |
| Hypothesis:  | Higher Composite Dietary Antioxidant Index (CDAI) will be associated with a lower risk of pregnancy-induced hypertension (PIH).   |
| Description:<br>(Include design, methodology, data collection, techniques, data analysis to be employed, evaluation and interpretation methodology for research component) | From 1985-2006, 4765 pregnant participants aged 12 years and older were recruited from Camden, NJ, one of the poorest cities in the US. Study visits, including questionnaires, dietary assessments, and biospecimen collection, occurred in early and late pregnancy as well as at delivery. Medical records were abstracted, and a subset of mothers and infants participated in a six-week postpartum visit. This project will be a secondary data analysis of data collected from this prospective cohort study. Multivariable linear regression models will evaluate the associations between Composite Dietary Antioxidant Index (CDAI), calculated from 24 hr recalls administered in the first trimester, and incidence of pregnancy-induced hypertension (PIH), which was abstracted from medical records. |
| Specific Student Responsibilities:   | <ol style="list-style-type: none"><li>1. Literature Review</li><li>2. Data cleaning and analysis</li><li>3. Abstract preparation</li></ol>  |

Start / end date of project:

July 7- August 29

WHAT OTHER  
EDUCATIONAL  
OPPORTUNITIES ARE  
AVAILABLE TO STUDENTS?

N/A

(e.g., journal club, seminars,  
clinic, rounds)

WHERE DO YOU PLAN TO  
PRESENT OR PUBLISH THE  
FINDINGS WITH THE  
STUDENT?

SHP poster day

(e.g., national or state meetings,  
newsletter or journal, SHP poster  
day)

**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).

Pending ☐

Approved ☒

IRB Protocol Number **Pro2022002143**

***IRB approval must be obtained by June 2025***

*JANEZ AGLER*

4/1/2025

Signature of Department Chair

Date

4/2/2025

2