

## Summer Student Research Program

### Project Description

**FACULTY SPONSOR'S NAME AND DEGREE:** *Nina E. Glass, MD, FACS*

**PHONE:** (973) 972 - 6293

**DEPARTMENT AND INTERNAL MAILING ADDRESS:** *UH M 233; 150 Bergen St; Newark, NJ 07103*

**E-MAIL:** *ng470@njms.rutgers.edu*

**PROJECT TITLE (200 Characters max):**

*Clinical Research in Acute Care Surgery*

#### **HYPOTHESIS:**

*Outcomes are improved by continually evaluating our performance and seeking opportunities to improve the systems through which we deliver care.*

**PROJECT DESCRIPTION** (Include design, methodology, data collection, techniques, data analysis to be employed and evaluation and interpretation methodology)

*Students will choose a performance improvement project based on recent data from our trauma, surgical critical care, or acute care surgery services and identify ways to improve outcomes and therefore improve delivery of patient care.*

#### **SPONSOR'S MOST RECENT PUBLICATIONS RELEVANT TO THIS RESEARCH:**

*Zhai, Merry, Kristy Bono, Wei Wei Zhang, Stephanie Bonne, Emily Gordon, Erin Zerbo, Harrison Quijote, and Nina Glass. "Drug and Alcohol Use in Trauma Patients Before and During the COVID-19 Pandemic." Journal of Surgical Research 283 (2023): 999-1004.*

*Bono, Kristy, Jorge A. Caceda, Merry Zhai, Helen Horng, Carma Goldstein, Ziad Sifri, David Cennimo, and Nina E. Glass. "Evaluating Methicillin-Resistant Staphylococcus aureus Polymerase Chain Reaction Nasal Screening as a Tool for Antimicrobial Stewardship." Journal of Surgical Research 283 (2023): 1047-1052.*

*Glass, Nina E., Riccardi, Julia, Horng, Helen, Kacprzynski, Gregory, Sifri, Ziad.; Platelet dysfunction in patients with traumatic intracranial hemorrhage: Do desmopressin and platelet therapy help or harm? American Journal of Surgery, In Press, Available online August 2021. PMID: 34446216.*

*Goldstein, Carma, Juthani, Biren, Livingston, David H., Glass, Nina E., Sifri, Ziad; Utilizing triage rates to improve ICU admission guidelines of elderly rib fracture patients; American Journal of Surgery, In Press, Available online 23 July, 2021. PMID: 34373083.*

*Goldstein, Carma, Deisher, David, Gorman, Elizabeth, Sheikh, Fariha, Sifri, Ziad, Glass, Nina E.; Tracheostomy is safe in patients with prolonged intubation after COVID-19 infection; Journal of Surgical Research, 266:361-365; April 2021; online ahead of print; PMID: 34087619.*

*Fiorentino, Michele, Mulles, Shanen, Cue, Lauren, Merchant, Aziz, Tufariello, Ann, Cummings, Dustin, Onwubalili, Kenechi, Glass, Nina E.; High Acuity of Post-Operative Consults to Emergency General Surgery at an Urban Safety Net Hospital; Journal of Surgical Research, 257: 50-55; January, 2021; Epub 2020, Aug 17; PMID: 32818784.*

*Singh, Supreet, Armenia, Sarah J., Merchant, Aziz, Livingston, David H., and Glass Nina E.; Treatment of Acute Cholecystitis at Safety-Net Hospitals: Analysis of the National Inpatient Sample; The American Surgeon, 86(1): 28-34; PMID: 32077413; January, 2020.*

*Luceri, Robert E., Glass, Nina E., Bailey, Joanelle A., Sifri, Ziad C., Kunac, Anastasia, Bonne, Stephanie L., Yonclas, Peter P., Mosenthal, Anne C., and Livingston, David H.; First rib fracture: A harbinger of severe trauma? The American Journal of Surgery, 216(4): 740-744; PMID: 30060914; October 2018.*

Summer Student Research Program

Project Description

THIS PROJECT IS:  Clinical  Laboratory  Behavioral  Other

THIS PROJECT IS CANCER-RELATED

Please explain Cancer relevance

THIS PROJECT IS HEART, LUNG & BLOOD- RELATED

Please explain Heart, Lung, Blood relevance

THIS PROJECT INVOLVE RADIOISOTOPES?

THIS PROJECT INVOLVES THE USE OF ANIMALS

PENDING

APPROVED

IACUC PROTOCOL #

THIS PROJECT INVOLVES THE USE OF HUMAN SUBJECTS?

PENDING

APPROVED

IRB PROTOCOL # M

THIS PROJECT IS SUITABLE FOR:

UNDERGRADUATE STUDENTS

ENTERING FRESHMAN

SOPHOMORES

ALL STUDENTS

THIS PROJECT IS WORK-STUDY: Yes  or No

THIS PROJECT WILL BE POSTED DURING ACADEMIC YEAR

FOR INTERESTED VOLUNTEERS: Yes  or No

WHAT WILL THE STUDENT LEARN FROM THIS EXPERIENCE?

*Students working on this project will be self-directed and I hope that they will find motivation in their interests within the world of Acute Care Surgery. I am open to students proposing their own ideas and I hope that they we will find something for the students to be passionate about.*