

2024 Summer Research Experiences



1 Akron General Ave
Akron, OH 44307

ccagsummerresearch@ccf.org

CONTENTS: 2024 SUMMER RESEARCH EXPERIENCES

Experience 1	2
▪ Title: <i>Pharmacological Management of Critically Ill Trauma Patients</i>	
Experience 2	3
▪ Title: <i>Management of Critically Injured Patients Requiring Neurosurgical Intervention</i>	
Experience 3	4
▪ Title: <i>Empowering Inquiry: A Summer Journey in Emergency Medicine Research</i>	
Experience 4	5
▪ Title: <i>InnovatED: A Transformative Summer Research Experience in Emergency Medicine</i>	
Experience 5	6
▪ Title: <i>Management of Critically Injured Patients Requiring Surgical Intervention</i>	

Title: *Pharmacological Management of Critically Ill Trauma Patients*

Number of candidate(s) who will be selected: 1.

Overview: This Research Experience will be comprised of scholarly activities, educational opportunities, and shadowing experiences. Scholarly activities include but are not limited to protocol development, literature review, data collection, data cleaning, manuscript preparation, presentation preparation, and case report preparation. Educational experiences include didactics, small group sessions, simulation, and other resident-oriented activities. Shadowing includes the clinical areas in which your Research Experience leaders practice. Scholarly activities will represent 85% of the fellow's time, with educational opportunities (10%) and shadowing (5%).

Specific skills/training/education required:

- All students are welcome to apply.
 - Completion of year one of medical school at the time of research experience is preferred.
- Applicant may benefit from the following:
 - Past research experience.
 - Clinical experience (e.g., scribing).
 - Prior experience with Microsoft Excel/REDCap/EPIC.

Student responsibilities:

- Requirements
 - Attend all required training and complete credentialing.
 - Maintain communication with faculty and medical education. It is the responsibility of the student to reach out to the faculty with questions or concerns.
 - Attend specialty-related education as assigned.
- Scholarly Tasks
 - Literature review
 - Protocol development
 - Data abstraction and cleaning
 - Writing of results
 - Preparation of presentations/abstracts

This experience **includes shadowing** opportunities in the Surgical Intensive Care Unit, Operating Room, and Trauma Bay.

Title: *Management of Critically Injured Patients Requiring Neurosurgical Intervention*

Number of candidate(s) who will be selected: 1.

Overview: This Research Experience will be comprised of scholarly activities, educational opportunities, and shadowing experiences. Scholarly activities include but are not limited to protocol development, literature review, data collection, data cleaning, manuscript preparation, presentation preparation, and case report preparation. Educational experiences include didactics, small group sessions, simulation, and other resident-oriented activities. Shadowing includes the clinical areas in which your Research Experience leaders practice. Scholarly activities will represent 85% of the fellow's time, with educational opportunities (10%) and shadowing (5%).

Specific skills/training/education required:

- All students are welcome to apply.
 - Completion of year one of medical school at the time of research experience is preferred.
- Applicant may benefit from the following:
 - Past research experience.
 - Clinical experience (e.g., scribing).
 - Prior experience with Microsoft Excel/REDCap/EPIC.

Student responsibilities:

- Requirements
 - Attend all required training and complete credentialing.
 - Maintain communication with faculty and medical education. It is the responsibility of the student to reach out to the faculty with questions or concerns.
 - Attend specialty-related education as assigned.
- Scholarly Tasks
 - Literature review
 - Protocol development
 - Data abstraction and cleaning
 - Writing of results
 - Preparation of presentations/abstracts

This experience **includes shadowing** opportunities in the Neurological Intensive Care Unit, Operating Room, and Trauma Bay.

Title: *Empowering Inquiry: A Summer Journey in Emergency Medicine Research*

Number of candidate(s) who will be selected: 1.

Overview: This Research Experience will be comprised of scholarly activities, educational opportunities, and shadowing experiences. Scholarly activities include but are not limited to protocol development, literature review, data collection, data cleaning, manuscript preparation, presentation preparation, and case report preparation. Educational experiences include didactics, small group sessions, simulation, and other resident-oriented activities. Shadowing includes the clinical areas in which your Research Experience leaders practice. Scholarly activities will represent 85% of the fellow's time, with educational opportunities (10%) and shadowing (5%).

Specific skills/training/education required:

- All students are welcome to apply.
 - Completion of year one of medical school at the time of research experience is preferred.
- Applicant may benefit from the following:
 - Past research experience.
 - Clinical experience (e.g., scribing).
 - Prior experience with Microsoft Excel/REDCap/EPIC.

Student responsibilities:

- Requirements
 - Attend all required training and complete credentialing.
 - Maintain communication with faculty and medical education. It is the responsibility of the student to reach out to the faculty with questions or concerns.
 - Attend specialty-related education as assigned.
- Scholarly Tasks
 - Literature review
 - Protocol development
 - Data abstraction and cleaning
 - Writing of results
 - Preparation of presentations/abstracts

This experience **includes shadowing** opportunities in the main hospital and freestanding Emergency Departments.

Title: *InnovatED: A Transformative Summer Research Experience in Emergency Medicine*

Number of candidate(s) who will be selected: 1.

Overview: This Research Experience will be comprised of scholarly activities, educational opportunities, and shadowing experiences. Scholarly activities include but are not limited to protocol development, literature review, data collection, data cleaning, manuscript preparation, presentation preparation, and case report preparation. Educational experiences include didactics, small group sessions, simulation, and other resident-oriented activities. Shadowing includes the clinical areas in which your Research Experience leaders practice. Scholarly activities will represent 85% of the fellow's time, with educational opportunities (10%) and shadowing (5%).

Specific skills/training/education required:

- All students are welcome to apply.
 - Completion of year one of medical school at the time of research experience is preferred.
- Applicant may benefit from the following:
 - Past research experience.
 - Clinical experience (e.g., scribing).
 - Prior experience with Microsoft Excel/REDCap/EPIC.

Student responsibilities:

- Requirements
 - Attend all required training and complete credentialing.
 - Maintain communication with faculty and medical education. It is the responsibility of the student to reach out to the faculty with questions or concerns.
 - Attend specialty-related education as assigned.
- Scholarly Tasks
 - Literature review
 - Protocol development
 - Data abstraction and cleaning
 - Writing of results
 - Preparation of presentations/abstracts

This experience **includes shadowing** opportunities in the main hospital and freestanding Emergency Departments.

Title: *Management of Critically Injured Patients Requiring Surgical Intervention*

Number of candidate(s) who will be selected: 1.

Overview: This Research Experience will be comprised of scholarly activities, educational opportunities, and shadowing experiences. Scholarly activities include but are not limited to protocol development, literature review, data collection, data cleaning, manuscript preparation, presentation preparation, and case report preparation. Educational experiences include didactics, small group sessions, simulation, and other resident-oriented activities. Shadowing includes the clinical areas in which your Research Experience leaders practice. Scholarly activities will represent 85% of the fellow's time, with educational opportunities (10%) and shadowing (5%).

Specific skills/training/education required:

- All students are welcome to apply.
 - Completion of year one of medical school is preferred at the time of research experience.
- Applicant may benefit from the following:
 - Past research experience.
 - Clinical experience (e.g., scribing).
 - Prior experience with Microsoft Excel/REDCap/EPIC.

Student responsibilities:

- Requirements
 - Attend all required training and complete credentialing.
 - Maintain communication with faculty and medical education. It is the responsibility of the student to reach out to the faculty with questions or concerns.
 - Attend specialty-related education as assigned.
- Scholarly Tasks
 - Literature review [including literature search and preparation of written reviews]
 - Protocol development
 - Data abstraction and cleaning
 - Writing of results
 - Preparation of presentations/abstracts

This experience **includes shadowing** opportunities in the Surgical Critical Care Unit, General Surgery Floor, Operating Room, and Trauma Bay.