

Summer Research Internship Program

June 2 - August 8, 2025



Marshfield Clinic Research Institute, the largest private medical research institute in Wisconsin, is accepting applications for its annual summer research internship program through February 7, 2025 (11:59 PM CST).

### The Internship

- Mentored through an interactive research experience
- Work on an independent project and contribute to all aspects of the research process
- Prepare an abstract and present your work at the annual Research Symposium
- Partciapte workshops and professional development sessions
- Lead proposal and journal club discussions

# Who Could Apply?

- Currently enrolled college students considering a career in research
- Undergraduate students who have at least a sophomore credit status
- Graduate or medical students

# Research Areas Include:

Epidemiology/Trauma
Precision Medicine/Genetic
Clinical/Rare Diseases
Farm Medicine
Cancer Care
Integrated Laboratory

#### Compensation

Hourly wage of \$16-\$18/hour

For more position information or to apply visit: www.marshfieldresearch.org/srip

Virtual SRIP Info Meeting Jan. 9, 2025 @ 3pm CST: contact srip@marshfieldresearch.org for details



Trauma Research **Summer Internship** 

June 2 - August 8, 2025

#### Research Institute

Epidemiology & Public Health - Trauma

Marshfield Clinic Research Institute, the largest private medical research institute in Wisconsin, is accepting applications for its annual summer research internship program through February 7, 2025 (11:59 PM CST).

# **The Project**

- Intern is mentored through an interactive research experience with a Research Scientist on an analytic project
- Intern's role in the project may include literature reviews, data analysis, and preparing for presentations
- Interns will develop an abstract and present their work at the annual Research Symposium
- Interns will participant in journal club presentations and other speaking events
- Intern's project may serve as a degree related requirement

# Qualifications

- Open to undergraduate sophomores, juniors, and seniors, and graduate students who are engaged in the following areas: epidemiology and public health.
- Course work in statistics such as descriptive and linear/logical regression
- Excellent data analysis skills
- Prior experience with SAS, SPASS, R, and Excel

# **Potential Trauma Intern Projects**

 Compare outcomes between non-operative resuscitation with blood transfusions against operative hemorrhage control



"Students are able to receive the entire research experience. We are able to succeed by completing deliverables (abstracts, concept proposals, presentations) with the guidance of our mentors."

- Cameron Lee, Undergraduate **Epidemiology Intern (2024)** 

#### Compensation

Hourly wage of \$16-\$18/hour

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Clinical Research Summer Internship

June 2 – August 8, 2025

Fritz Wenzel Center for Clinical Research

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# The Project

- Intern is mentored through an interactive research experience with a Research Scientist on a project concerning people with Bardet-Biedl Syndrome (BBS)
- Intern's role in the project may include data analysis, statistical analysis, and database work via RedCap.
- Intern will develop an abstract and present their work at the annual Research Symposium
- Intern may have opportunities to be involved with other tasks including the following: participating in BBS team meetings to discuss cases and attending BBS clinic weeks
- Intern's project may serve as a degree related requirement

# Qualifications

- Open to undergraduate juniors and seniors, and graduate students who are engaged in the following areas: psychology, nutrition, epidemiology, genetics, pre-med, biology, physiology, or pharmacy
- Excellent writing and data collection/analysis skills
- Prior experience introductory statistics with a preference for SAS
- Desire to work with cases concerning genetic disorder

# **Additional Project Information**

- Attend scientific seminars, journal club discussions, and professional development sessions
- Work with Clinical Registry Investigating Bardet-Biedl Syndrome (CRIBBS)



"This project will identify factors such as hyperphagia, reproduction, or the transition to adult medical care that impact the health and well-being of adolescents and adults with BBS."

- Jeremy Pomeroy, PhD (FWCRC) **Associate Research Scientist** 

#### Compensation

Hourly wage of \$16-\$18/hour

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# Research Institute

Integrated Research & Development Laboratory

# **Summer Internship Project**

June 2 – August 8, 2025

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# The Project

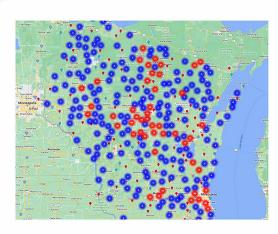
- Intern is mentored through an interactive research experience with Research Scientists on a multidisciplinary project
- Intern's role in the project may include communication, participating/leading outreach, tick identification, program expansion, and assisting with molecular testing and data analysis
- Intern will develop an abstract and present their work at the annual Research Symposium
- Intern may have opportunities to be involved with other tasks including press releases, database development, disease identification, and survey administration
- Intern's project may serve as a degree related requirement

# Qualifications

- Open to undergraduate juniors and seniors, and graduate students who are engaged in the following areas: biology and/or communication
- Excellent writing and data collection/analysis skills
- Prior experience or interest in science communication
- Intern must be onsite for this experience
- Ability to learn about various laboratory techniques

# Additional Project Information

- Prepare and run outreach events, answer project phone and emails, and write newsletters/press releases
- Attend scientific seminars, journal club discussions, and professional development sessions
- Assist with molecular testing and data analysis



Tick location map fall 2024

"Last year, we asked members of the public to send us ticks so that we can study the distribution of tick species and the microbes they carry. We are looking for an intern to help us expand this program into year two."

- Alexandra Linz, PhD (IRDL) **Associate Research Scientist** 

#### Compensation

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#### Research Institute

National Farm Medicine Center

**Agricultural Machinery Summer Internship Project** 

June 2 – August 8, 2025

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# The Project

- Intern is mentored through an interactive research experience with a Research Scientist and Specialist on a project concerning agricultural machinery and safety
- Intern's role in the project may include data analysis, statistical analysis, and technical writing
- Intern will develop an abstract and present their work at the annual Research Symposium
- Intern will assist in identifying existing machinery risks and injuries from data - while describing the potential impact that autonomous machines may have on others
- Intern's project may serve as a degree related requirement

### Qualifications

- Open to graduate students who are engaged in the following areas: agricultural safety and health, epidemiology, public health, informatics, mechanical engineering, or related field
- Excellent writing, and data analysis/statistical skills
- Prior experience with R/SAS/Python preferred
- Intern must be onsite for this experience

# **Additional Project Information**

- Attend scientific seminars, journal club discussions, and professional development sessions
- Work with staff across National Farm Medicine Center and help develop research impacted by farm safety



"As technology evolves, the industry has adopted automation and robotics to improve efficiency, precision, and safety. However, as with any technology, the use of autonomous machines introduces new risks."

- Bryan Weichelt, PhD (NFMC) **Associate Research Scientist** 
  - Roger Aby, PhD (NFMC) **Research Specialist**

#### Compensation

Hourly wage of \$16-\$18/hour

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National Farm Medicine Center

Rural Veterans Healthcare
Summer Internship Project

June 2 – August 8, 2025

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# **The Project**

- Intern is mentored through an interactive research experience with a Research Scientist on a project concerning veterans and healthcare needs
- Intern's role in the project may include data analysis, statistical analysis, and technical writing
- Intern will develop an abstract and present their work at the annual Research Symposium
- Intern will assist in the assessment of relations among rural veterans, healthcare, and coordination of resources
- Intern's project may serve as a degree related requirement

### **Qualifications**

- Open to graduate students who are engaged in the following areas: public health, epidemiology, clinical or health informatics, health administration, or related field.
- Excellent writing, literature review, and data analysis/statistical skills
- Prior experience with R/SAS/Python preferred
- Intern must be onsite for this experience

# **Additional Project Information**

- Attend scientific seminars, journal club discussions, and professional development sessions
- Work with staff across National Farm Medicine Center and help develop research impacted by COMPACT Act and PACT Act



"Veterans have unique healthcare needs and benefits available to them, with varied utilization and awareness within subgroups owing to complex and changing sets of relationships. This project is about seeing opportunities for improvement, or changes needed in organizational or public policy"

Bryan Weichelt, PhD (NFMC)
 Associate Research Scientist

#### Compensation

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# **Summer Internship Project**

June 2 – August 8, 2025

#### Research Institute

Center for Precision Medicine Research (CPMR) & Office of Research Computing and Analytics (ORCA)

Marshfield Clinic Research Institute, the largest private medical research institute in Wisconsin, is accepting applications for its annual summer research internship program through February 7, 2025 (11:59 PM CST).

### **The Project**

- Intern is mentored through an interactive research experience with a Research Scientist and Research Programmer/Analyst on a project concerning the electronic health record (EHR) and pedigree data
- Intern's role in the project may include data formating, iterative data analysis, and reviewing EHR data
- Intern will develop an abstract and present their work at the annual Research Symposium
- Intern will assist in identifying how older and less healthy patients in Marshfield Clinic's EHR can be placed into existing and new pedigrees
- Intern's project may serve as a degree related requirement

#### Qualifications

- Open to undergraduate seniors and graduate students who are engaged in the following areas: data science, bioinformatics, or similar degree(s)
- Excellent critical thinking and skills associated with data manipulation, quality analytics, and descriptive statistics
- Ability to use different approaches to determine optimal impact of data analysis
- Proficient in SAS programming (or similar) SQL syntax knowledge preferred

### **Additional Project Information**

- Attend scientific seminars, journal club discussions, and professional development sessions
- Work with staff across CPMR and ORCA and find ways to increase EHR's value



"Working with EHR data helped me enhance my technical skills and also gain an understanding and learn from scientists about the research work in different areas and how it impacts and improves healthcare outcomes."

> - Susmitha Bommini **Graduate Intern (2024)**

#### **Compensation**

Hourly wage of \$16-\$18/hour

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