

MCRI SRIP Informational Meeting

2025 SESSION

What is the Marshfield Clinic Research Institute (MCRI)?

MCRI is the largest private not-for-profit research organization in Wisconsin.

MCRI is divided into various centers and support units:

- Cancer Care Research Center
- Fritz Wenzel Center for Clinical Research
- Center for Clinical Epidemiology and Population Health
- Center for Precision Medicine Research
- National Farm Medicine Center
- Integrated Research and Development Laboratory
- Office of Research Computing and Analytics
- Office of Research Sponsored Programs

What is the Summer Research Internship Program (SRIP)?

SRIP's goal is to provide a mentored, hands-on research experience for college undergraduate, graduate, dental, and medical students considering a career in research.

Historically, SRIP has targeted undergraduate sophomores or juniors.

However, it has expanded to graduate students in recent years.

Since 1978:

- 280+ mentees
- Mentees from 71 different universities
- Mentees from across the world

SRIP Basics

Through the 10-week, full-time working program (typically from late May/early June through early August), students work with a research scientist on an independent project and contribute to all aspects of the research process.

SRIP is similar to a university level independent study:

- Specific curriculum
- Specific topic of interest
- Mentor guidance
- Final product

SRIP Curriculum

Main Activities

Intern Bios/Concept Proposal, Journal Club, Proposal Description, IRB meeting, Scientific Abstract, and Oral Presentation/Final Project

Minor Activities

Various workshops including public speaking, grant fundamentals, literature reviews, and abstract development

Various speakers from across MCRI including MCRI/MCHS resources, researchers, scientists, etc.

SRIP Concept Proposal

The purpose of the proposal is to ensure the intern and mentors have a clear idea of the research plan and expectations (procedures and job duties) for the student.

The SRIP director uses the concept proposal to gauge project progress throughout the summer.

Documented commitment as to what you would ACCOMPLISH and WHEN

Milestones for you and your mentor to make sure things are on track throughout the program to present your final project.

3-4 pages

12-point font

Professional writing (avoid errors and typos)

Use heading and subheading to guide the reader through the proposal

SRIP Concept Proposal

Title

- Clear indication of your proposed research approach or key question

Introduction

- Background/Problem Statement

Methods

- Theoretical resources to be drawn on
- Research approach (theoretical framework)
- Projected analyses
- Project outcomes

Work Plan and Timeline

- Outline of the various stages and corresponding timelines for developing and implementing the research
- Consider the work plan and timeline as a listing of project milestones or deliverables

References

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 participate 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

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

Apply Today! Deadline: February 7, 2024 (11:59 PM CST)



Marshfield Clinic

Research Institute

Integrated Research & Development Laboratory

Laboratory/Science Communication

Summer Internship Project

June 2 – August 8, 2025

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The Project

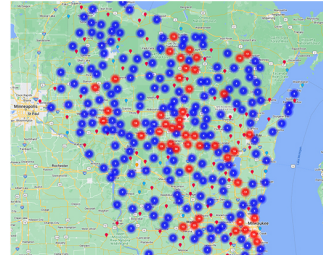
- Intern is mentored through an interactive research experience with Research Scientists on a multidisciplinary project
- Intern's role in the project may include communication, participating/leading outreach, tick identification, program expansion, and assisting with molecular testing and data analysis
- 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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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

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Marshfield Clinic Data Science: Manipulation/Analysis
Research Institute Summer Internship Project
June 2 – August 8, 2025

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

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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 formatting, 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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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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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

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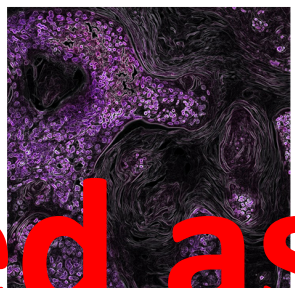
- Intern is mentored through an interactive research experience with a Physician and Project Scientist on a project concerning the utilization of health services in cancer care
- Intern's role in the project may include data analysis, literature reviews, and technical writing
- Intern will develop an abstract and present the work at the Annual Research Symposium
- Intern will assist in enhancing cancer care outcomes and health service utilization in rural and underserved populations
- Intern's project may serve as a degree related requirement

Qualifications

- Open to graduate students who are engaged in the following areas: data science, biostatistics, epidemiology, medical informatics, computer science, health sciences, public health, or related fields
- Excellent writing, data analysis/statistical skills, proficiency in data analysis software
- Prior experience with Stata, R, Python, or SAS preferred

Additional Project Information

- Attend scientific seminars, journal club discussions, and professional development sessions
- Work with staff across MCHS and MCRI and help address areas in rural health care



"This project addresses barriers such as technology adoption, and disparities in access, which are crucial to improving cancer treatment and patient outcomes in rural areas. The research aligns with MCRI's mission to reduce health inequities and advance healthcare technology in resource-limited settings"

- Abdul Shour, PhD (CCRC)
Project Scientist

Photo: NCI/Eric Snyder

Compensation

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

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Cancelled as of 1.9.25

Apply Today! Deadline: February 7, 2025 (11:59 PM CST)

Projects

CCRC: 1) Analysis of a prospectively maintained database for patients undergoing cytoreductive surgery (CRS) and heated intra-peritoneal chemotherapy (HIPEC)/regional therapy for peritoneal carcinomatosis (PC)
2) Analysis of a prospectively maintained database for patients undergoing pancreatic surgery at a rural tertiary health care center

Project Overview:

High acuity procedures involving multi-visceral resection, utilizing latest technology platforms are being performed at a rural tertiary health care center. These two projects will investigate the feasibility, safety, and efficacy of these procedures and the generalizable applicability of the findings.

The first project asks the research question: Are robotic cytoreductive surgery and heated intra peritoneal chemotherapy feasible, safe and efficacious in rural health care? The second project asks this research question: Are pancreatic surgery outcomes improving despite increasing risk patients being offered surgical resection?

Requirements:

Students need to have familiarity with data population, abstraction, collation, and analysis. Undergraduate sophomore, junior, senior, and graduate students who are interested in being a physician and/or attending or in the process of applying to medical school. Students will be performing literature reviews, collecting data, attending seminars, and writing manuscripts. This project is either virtual or in-person internship.

SRIP Resources: Teams

Interactive SRIP Teams Group

The screenshot shows a SharePoint page for the Summer Research Internship Program (SRIP) Teams website. The page is titled "SR Summer Research Internship Program" and features a navigation sidebar on the left with options like Home, Conversations, Notebook, Pages, Documents, Recycle bin, and Edit. The main content area includes a "TEAMS WEBSITE" header, a "Welcome SRIP!" message, a photo of three people, and a "Quick Links" section with buttons for Orientation Calendar, Course Calendar, Biography and Concept Proposal, Intern Presentations, Literature Review, Guest Speakers, Grant Writing Workshop, Biological Statistics, Developing Abstracts, Research Symposium, and Additional Resources. A "Drop Boxes" section is visible at the bottom.

SharePoint Search

SR Summer Research Internship Program

Home + New Page details Analytics

Conversations

Notebook

Pages

Documents

Recycle bin

Edit

TEAMS WEBSITE

Welcome SRIP!

This is the meeting place where the SRIP team and interns share projects, documents, and other program information.

Find information on MCRI SharePoint! →

Quick Links

- Orientation Calendar
- Course Calendar
- Biography and Concept Proposal
- Intern Presentations
- Literature Review
- Guest Speakers
- Grant Writing Workshop
- Biological Statistics
- Developing Abstracts
- Research Symposium
- Additional Resources

Drop Boxes See all

SRIP Resources: SharePoint

SharePoint Search this site

OR Office of Research and Sponsored Programs (ORSP) Service Areas Programs Committees Reference MCRI ORSP Home Edit

+ New Promote Page details Immersive Reader Analytics Published 1/10/202

Summer Research Internship

Langreck, Seth A
Project Manager

Summer Research Internship Program (SRIP) Mentor Resources

Summer Program 2024

Program starts May 29, 2024. See Timeline below for all dates.

History

The Marshfield Clinic Research Institute (MCRI) has offered summer research internship opportunities to qualified students since 1974. The primary goal of the program is to provide a mentored, hands-on research experience for college undergraduate, graduate, dental, and medical students considering a career in research.

Mentor Selection

The primary mentor for each student will be an MCRI scientist, or a Clinician Investigator with a joint appointment in the Research Institute or with clinician dedicated research time (CDRT) status. Scientists and Clinician Investigators can be a primary mentor for one intern; co-mentors are encouraged. Project Scientists, post-doctoral fellows, and other MCRI research staff (e.g., research specialist, M.S. epidemiologist) are eligible to be a co-mentor, but cannot serve as the primary mentor. Mentorship is not guaranteed and is dependent on SRIP Director approval, funding availability, and number of qualified summer intern candidates.

Quick Links

- [Mentor Handbook \(2024\)](#)
- [Mentor Proposal Form](#)
- [Mentor Interview Info Sheet](#)
- [Application and Selection Process 2024](#)
- [Mentor Interview Report \(blank\)](#)
- [Intern Handbook \(2023\)](#)
- [Intern Handbook 2024 Coming](#)
- [Public SRIP Webpage](#)
- [SRIP Journal Club](#)
- [2023 Calendar \(2024 Update Coming\)](#)

SRIP Resources: SharePoint and Teams

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
June 9-13	Weekly Meeting (2:15-3:00p): Updates and Concept Proposal and Visual Design and Data (confirmed)	Weekly Meeting with Intern and Mentor (time TBA)	Weekly Meeting with Intern and SRIP Admin (time TBA)	Workday	Presentation: MCHS IRB w/ Melissa Hubing (10-10:45a)
WEEK 2					Concept Proposal and Bio Due (in Drop Box)

Things to consider: Remote or In-Person

Certain projects require in-person employment.

In-person mentees will be housed at Villas at Marshfield free of cost.

In-person mentees are responsible for their own transportation to-and-from work as outlined in MCHS policy. It's a job after all.

Remote employees are required to attend the Research Symposium in-person.

Remote employees will have EQ shipped to them.

Given employment and/or payroll requirements of individual states, Marshfield Clinic Health System supports remote work in the following states:

Alabama, Alaska, Arkansas, Florida, Georgia, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Michigan, Minnesota, Mississippi, Missouri, Nebraska, North Carolina, North Dakota, Ohio, Oklahoma, South Carolina, South Dakota, Tennessee, Texas, Utah, West Virginia, Wisconsin, and Wyoming. If your state is not listed here, you need to consider the on-site option.

Things to consider: Applying

References: Keep them informed about SRIP and the deadline

Personal Statement & Resume: Look for connections between *project requirements* and your experiences

Personal Statement & Resume: Use *relevant examples* from your experiences

Personal Statement: Proofread

Application Requirements: Yes, all are required

Overall: Don't procrastinate

Things to consider: City of Marshfield

Population: 19,000 people

Transportation: Marshfield has a local taxi company, Running Inc. Transit Service, provide services. But the service has been reported to be schedule and route dependent

Points of Interest: Chestnut Center for the Arts, Vox Concert Series, World's Largest Round Barn, Wildwood Park and Zoo, movie theater, and near several county and state parks

Social Life: Several cafes and restaurants



Questions?
