Independent Investigative Inquiry — III E25 Scholarly Project Requirement

Cynthia Sprenger, PhD Triple I Director



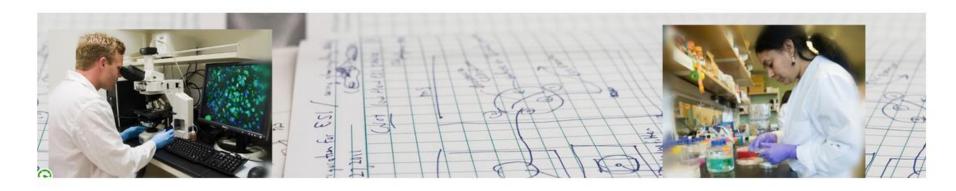
AGENDA

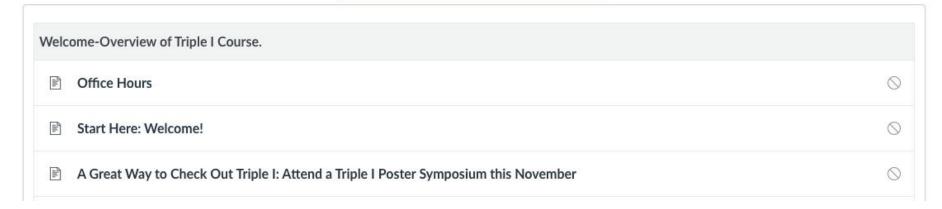
- > Overview
- > Options to complete your Scholarly Project Requirement
- > Getting started

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TRIPLE I CANVAS SITE





WHAT IS SCHOLARLY WORK?

> Scholarly work is work that moves a field forward by asking a question and seeking the answer

Discovery: research in which new discoveries are made through original investigation.

Integration: Work that synthesizes and gives meaning and perspective to isolated facts.

Application: Work that examines how knowledge can be effectively applied to consequential problems.



WHAT IS THE III SCHOLARLY PROJECT REQUIREMENT?

- > Independent Investigative Inquiry (III)
 - 1. Select a subject of interest to explore over the summer between the first and second year
 - 2. Investigate the subject, under the guidance of a Faculty Mentor
 - 3. Report on your findings in the fall of second year
- > MD Degree <u>requirement</u>

WHY IS A SCHOLARLY PROJECT REQUIRED?

- > You are building a foundation of medical knowledge that will last throughout your career
- > Many parts of that foundation will change throughout your career
- > An essential skill is to be able to ask scientific questions and find the answers to those questions as medicine evolves

HOW AND WHEN WILL I REGISTER AND COMPLETE THIS GRADUATION REQUIREMENT?

Courses that you will register for to complete the III:

- > Independent Investigative Inquiry (MEDSCI 501, 6 credits):
 - This is a 1 of 2 hyphenated course to complete your III research, registration will be during the summer between 1st and 2nd year.
- > Independent Investigative Inquiry Final Project (MEDSCI 503, 1 credit):
 - This is a 2 of 2 hyphenated course to wrap up or present your III research. Registration will be during the fall of your second year and will be concluded by turning in your final paper or presenting your research at the poster session.

TUITION

- > As a graduation requirement you will be expected to register for and pay tuition for these courses
 - Tuition amount depends on your Foundation Site
 - Please contact your site's registrar for information about tuition cost
 - For questions about financial aid, please contact SOM Financial Aid Office (somfao@uw.edu)
- > **UWSOM does** <u>not</u> allow waivers for this requirement even if you hold an advanced degree in a health-related field (such as MPH or PhD)
 - UWSOM administration strongly feels this experience benefits all students and enhances your residency applications

AGENDA

- > Overview
- > Options to complete your Scholarly Project Requirement
- > Getting started

TRIPLE I PROGRAMS

1. Discovery (Research)

Director: Cynthia Sprenger, PhD

2. Integration (Literature Review)

Director: Cynthia Sprenger, PhD

3. Rural Underserved Opportunities Program (RUOP)

Director: Toby Keys, MA, MPH

4. Global Health Immersion Program (GHIP)

Director: Collette Abbott, MD

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Cynthia Sprenger Director

cts2501@uw.edu



Amy Nair Triple I Education Specialist

somiii@uw.edu

- > **Research** in any topic related to medicine
- > You may choose any method:
 - Laboratory-based
 - Clinical research
 - Health services
 - Quality Improvement, and many others!



- > 30-35 hours per week, 8-week, Summer 2026 research project
 - June 29 August 21
- > You will present a poster of your work at the Medical Student III Poster Session in Fall 2026 at your Foundation Site.



Examples from prior years:

- CRISPR/CAS9-Based Gene Therapy for Inherited Visual Disorders
- Hepatitis C Treatment Outcomes among Patients in Addiction Treatment Settings
- Predictors of Adherence to Lung Cancer Screening in a Referral Program
- "Grandpa Speaks, Nobody Listens," A change in Mindset of Alaska Native Elders

- > How do I find a project?
 - Choose from the **Directory of Faculty Projects** available Oct 1, 2025
 - Or you may independently find a Faculty Mentor. If they are not listed in our Directory, please check with your site's Research Advisor first.
- > Who is my site's Research Advisor?
 - Alaska: TBD
 - Idaho: Russell Baker, PhD (<u>russellb@uidaho.edu</u>)
 - Montana: Katie Daughenbaugh, PhD (<u>katie.daughenbaugh@montana.edu</u>)
 - **Seattle:** Cynthia Sprenger, PhD (<u>cts2501@uw.edu</u>)
 - Spokane: Sarah Matousek, PhD (<u>matousek@gonzaga.edu</u>)
 - Wyoming: Nellie Bruns, PhD (<u>dbruns1@uwyo.edu</u>)

- > Who can be a Faculty Mentor?
 - Any faculty member with an UWSOM appointment
 - If you want to work with someone without an appointment, you will need a co-mentor with an UWSOM appointment. Talk to your site Research Advisor for help!

- > If you want to do a project at another Foundations site
 - You may apply for \$2650 in relocation funding to move to any
 other Foundations site for the summer to pursue your project.
 This may <u>not</u> be used for travel outside the WWAMI region.

- > If you want to do a project outside of the UWSOM system
 - Let us know as soon as possible about the program you want to apply to so we can adjust your pre-Triple I timeline
 - You will still need a UWSOM co-mentor
 - You will not receive the WWAMI relocation fund

> Programs that provide stipends for summer research

- Run by UWSOM faculty or may be at other universities
 - **UW Examples**
 - Medical Student Training in Aging Research (MSTAR-UW)
 - Division of Rheumatology Summer Research Program
 - Medical Student Addiction Research Training Program (MedStAR) <u>applications close</u> on <u>September 17th</u>
 - Summer Medical Student Research Program in Nephrology, Urology and Hematology Research NCOR-KUH, applications close on October 31st

National Examples

- Medical Student Training in Aging Research (MSTAR-UCLA, UCSF)
- Children's Hospital Los Angeles—Summer Oncology Fellowship
- Diabetes Research Centers—NIDDK Medical Student Research Program in Diabetes
- Foundation for Anesthesia Education and Research (FAER)—Medical Student Anesthesia Research Fellowship Summer Program (MSARF)

- > Programs that provide stipends for summer research
 - Highly competitive
 - You must apply for these programs separately from III
 - Application deadlines are usually before the UWSOM III proposal deadlines (Fall/Early Winter)
 - More information about these programs can be found on the E25 Canvas home page
 - Questions: contact Dr. Sprenger, somiii@uw.edu

Timeline

October 1 Directory of Faculty Projects available

December 31 Deadline to contact Faculty Mentors

January 4, 2026 Application due (mentor and project topic)

Jan-March 2026 Work with Faculty Mentor on Project Proposal

March 28, 2026 Project Proposal due

June 29 – August 21, 2026 Research time

Fall 2026 Poster Presentation

III Programs

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cts2501@uw.edu



Amy Nair Triple I Education Specialist

somiii@uw.edu

> **Systematized Literature review** focusing on an area in medicine



- > You will learn:
 - To systematically search medical databases and
 - To critically evaluate medical literature
- > 30-35 hours per week, 8-week, Summer 2026 research project
 - June 29 August 21
- > Ends with a <u>Final Paper</u>, due October 2026
- > Presenting at the Medical Student III Poster session is optional.

Key Steps in a Systematized Literature Review

- 1. Identify a specific unresolved question relevant to medicine
- 2. Identify relevant studies through a systematic search in consultation with a Health Sciences Librarian
- 3. Select studies to be included in the review
- 4. Collect and organize information culled from the studies
- 5. Collate, summarize and report the results

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- Or you may independently find a Faculty Mentor. If they are not listed in our Directory, please check with your site's Research Advisor first.

> Who can be a Faculty Mentor?

- Any faculty member with a UWSOM appointment
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Examples from prior years:

- Parkinson's Disease and the Gut Microbiota
- The Effects of Architectural Design on Patient Outcomes
- Correlations Between Maternal Insurance Coverage and Newborn Outcomes
- Initiation of Antiretroviral Therapy during Primary
 HIV Infection: Effects on the Latent HIV Reservoir

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Jan-Mar 2026 Work with Faculty Mentor on Project Proposal

March 28, 2026 Project Proposal due

June 29 – July 10, 2026 One on one consultation with a Health Science

Librarian

June 29 – August 21, 2026 Research time

Fall 2026 Final Paper due

DISCOVERY and INTEGRATION

What do I do next?

- See our website here: https://education.uwmedicine.org/curriculum/medical-student-scholarship/
- Attend your site's Poster Symposium to see the E24 Triple I projects
 - > Alaska: Monday, November 10th
 - > Montana: Monday, November 10th
 - > Idaho: Thursday, November 13th
 - > Wyoming: Friday, November 14th
 - > **Spokane:** Tuesday, November 18th
 - > **Seattle:** Tuesday, November 18th

DISCOVERY and INTEGRATION

What do I do next?

- Attend a Discovery & Integration info session
 - > Sessions will be scheduled for October & November...email will be sent out to MS1s and dates/times posted to Elentra
- Talk with your site's Research Advisor

Alaska TBD

Idaho Rusty Baker, PhD

Montana Katie Daughenbaugh, PhD

Seattle Cynthia Sprenger, PhD

Spokane Sarah Matousek, PhD

Wyoming Nellie Bruns, PhD

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Toby KeysRUOP Director
keyst@uw.edu



Beth DillonRural Programs
Education Specialist
dillonb9@uw.edu

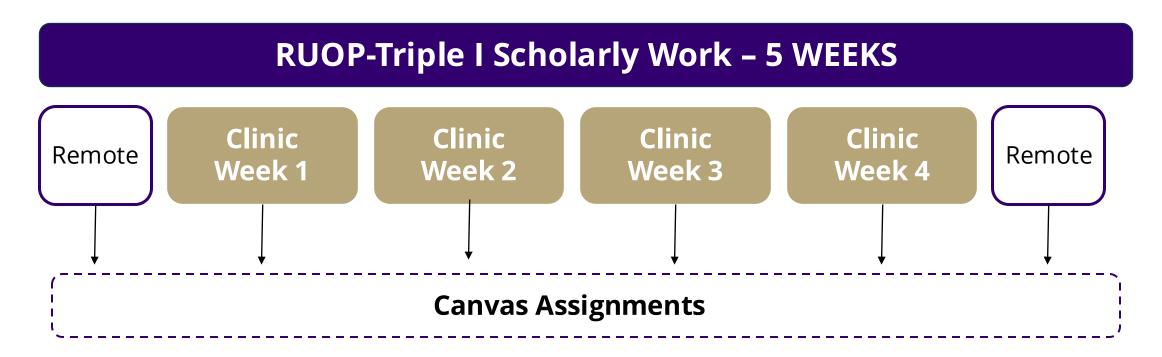


Taylor KimRUOP Program
Operations Specialist
somrural@uw.edu

REGIONAL RUOP PLACEMENT PARTNERS:		
Alaska	Shyla Dema	
Central Washington	Rubén Betancourt	
Eastern Washington	To be Announced	
Idaho	Liz Bryant	
Montana	Sara Houston	
Southwestern Washington	Yulissa Torres-Lopez	
Western Washington	Trish Lavish	
Wyoming	John Willford	

- > Community and Clinical Immersion
- > Program Goals:
 - Early exposure to community medicine in rural & urban under-resourced settings across WWAMI
 - Primary care focused
 - Real-world context for how community health care systems function





- > **Clinic:** 30-35 hours per week
- > **Rotation:** Four uninterrupted weeks; variable start dates July through Mid-August
- > **Assignments:** Begin weekend prior and are completed roughly 1 week after the rotation

Clinical Rotation: (0 credits)

- > Ungraded
- > Primary care focused
- > Housing is provided if outside of reasonable commuting distance (40-minute drive)
- Single, round-trip mileage to/from
 Foundations Campus to RUOP site also provided



Scholarly Project: (6 credits)

- > Uses an asset-based framework
- > Public Health, community-based
- > Several tracks to choose from:



RUOP Track	Scholarly Task	End Product	Co-Creation with Partner?
Health Education	Literature Review	Physical Content	Yes
Climate Health [±]	Literature Review	Podcast Episode or Alternative Content	Yes
Intervention Analysis	Literature Review	Intervention Proposal	No
Hybrid Discovery/RUOP	Discovery Research	*variable based on project	*variable

Difference between Scholarly Activities & Research:



- Any activity that increases the knowledge of an individual
- Organic in process; can cut across several disciplines
- **(RUOP)** Is <u>specific</u> to the community / target population
- Does NOT require IRB approval

Research

- Systematic investigation
- End product meant to contribute to <u>generalizable</u> knowledge
- Can often include surveys, testing, and data collection
- Requires IRB approval

Examples of RUOP Scholarly Project Topics

- Health Education:
 - > Exercise is Medicine: Running for Body and Spirit in the Apsáalooke Tribe and Hardin, Montana
- Climate Health
 - > Targeted Education on Asthma During Wildfire Season in Chelan-Douglas County, Washington
- Intervention Analysis
 - > Reducing Oral Health Disparity in Children in Sheridan, Wyoming

> How are placements determined?

- Students share placement preferences in application (e.g., WWAMI region, practice setting, personal goals for experience, access to car / housing, etc.)
- Priority given to Foundations region
- Only TRUST students have a guaranteed placement assignment / location
- Aim to place enrolled pathway students in locations that match their pathway program, however this may not always be possible based on site availability/logistical considerations from year-to-year

> What if I have a site / preceptor in mind?

- Put details in your application!
- RUOP works with Placement Coordinators across WWAMI to ensure placements meet program objectives and UWSOM standards
- Students <u>should not</u> reach out to physicians/sites directly to arrange their own rotation

> How competitive is RUOP?

Do our best to match any student who commits to RUOP with a site

- > Have additional questions about placements and timing?
 - Come to an Information Session! More details to come.
 - Check out our website:https://education.uwmedicine.org/somrural/programs/ruop/
- > Who do I contact with questions?
 - Beth Dillon (dillonb9@uw.edu)
 - Toby Keys (<u>keyst@uw.edu</u>)
- > Is there someone local I can talk to as well?

<u>Alaska</u>: Shyla Dema <u>Montana</u>: Sara Houston <u>Washington</u>: Beth Dillon

<u>Idaho</u>: Liz Bryant <u>Wyoming</u>: John Willford

Timeline

Sept-Oct (variable) Region-specific RUOP Info Sessions

December 1, 2025 RUOP Application opens

January 4, 2026 RUOP Application closes at 11:59 PM Pacific

January 9, 2026 Students informed of <u>regional</u> placement location

January 16, 2026 Students commit to participate in RUOP

Spring 2026 Mandatory orientation (TBD)

June 29 – August 28, 2026 RUOP summer immersion experience

Fall 2026 III Medical Student Poster Presentation

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Collette Abbott GHIP Director

ceabbott@uw.edu



Kirsten Greene GHIP Program Manager

kngreene@uw.edu

- > GHIP is a program for students to engage in a community-based global health training program, focused on community needs, assets, and health.
- > Students are matched to a host community in a resource-limited setting and spend 8 weeks working to identify, examine, and explore solutions to key health problems in the form of a scholarly project.
- > Objectives for students:
 - 1) Gain first-hand understanding of the health challenges facing people in lowand middle-income countries.
 - 2) Learn how to partner with a community and conduct a public health project.
 - 3) Help a community to address an identified health challenge.

- > Emphasis on decolonizing global health.
- > Prioritize projects that cater to the needs and wants to the community, rather than the interest of the student alone.

- > 9 credit academic course (MEDSCI 501/503, GH572A).
- > Department of Global Health program
- > Learn more here: https://globalhealth.washington.edu/educationtraining/medical-students/ghip

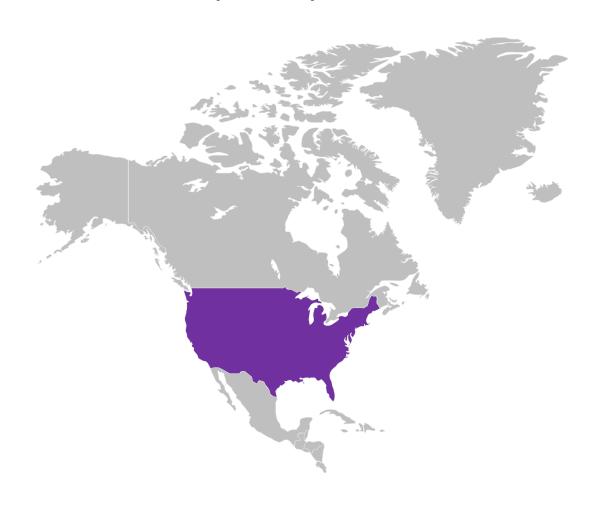
International Partner Sites:

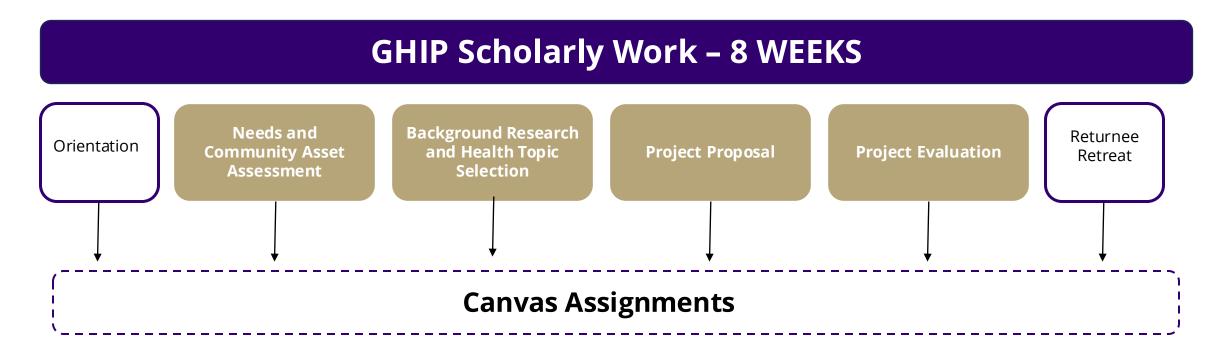
- > Dhulikhel Hospital Dhulikhel, Nepal
- Naivasha District Hospital Naivasha, Kenya
- > Uganda Cancer Institute Kampala, Uganda
- UW-Senegal Research Collaboration Dakar or Ziguinchor, Senegal
 - *French language required.
- > IMPACTA Lima, Peru
 - *Spanish language required.
- > La Clinica de Familia La Romana, Dominican Republic
 - *Spanish language required.



Local Global Partner Site:

- > EthnoMed in King County
- > UW Mentor: Duncan Reid, MD
- > Engage with these urban refugee/asylum seeking communities around Seattle King County.
- > Conduct a community public heath project as you would when you are abroad, with cultural competence and community-based approach in mind.
- > Example project: "Congalese TB cultural profile" on EthnoMed.





Additional assignments:

- > Journal Reflections (4)
- > Abstract
- > Poster

Previous projects

- > Improving understanding of HPV and cervical cancer among women living with HIV, in Dakar, Senegal.
- > Educational outreach on HIV prevention and hormone therapy for transgender women in Lima, Peru.
- > Childhood vaccination trends in Ziguinchor, Senegal.
- > Promoting healthy breastfeeding practices in and around Dhulikhel, Nepal.
- > Improving Intro-Operative Monitoring at Naivasha Referral Hospital, in Naivasha, Kenya.

> How do we place students?

- Students rank placement preferences and experience in application (e.g., prior international experience, personal goals for experience, site preferences, etc).
- Students in the Global Health Pathway are given some priority, but no students are guaranteed a GHIP placement.

> What if I want to participate with a site that GHIP does not partner with?

- GHIP only operates with our established partners.
- You would need to get your own mentor and can apply for this under Discovery.

> How competitive is GHIP?

- On average we can accommodate 8-10 students doing international experiences per year in GHIP.
- You should <u>apply to another Triple I option</u> as well. Many years we cannot accommodate every student who applies.

Information session:

Date: Tuesday November 4, 2025 over Zoom

5 pm AKDT / 6 pm PDT / 7 pm MDT

Information sessions will be recorded. Additional information to be sent out closer to the scheduled date.

Timeline

December 1, 2026 GHIP Applications open

January 4, 2026 GHIP Applications due

January 6-16, 2026 Interviews with GHIP faculty and partner sites

January 16, 2026** Placement decisions offered**

Mid-March, 2026 Mandatory orientation

Summer 2026 Engage in your project, complete assignments

Fall 2026 Attend the post-GHIP seminar.

III Medical Student Poster Presentation.

^{**}We aim to make final decisions by January 16 to accommodate RUOP decisions. This is not always possible and depends on our partner sites.

5. HEALTH PATHWAYS SCHOLARLY PROJECT

- > The Indian Health Pathway, founded in 1992, administered by the Office of Healthcare Equity (OHCE).
 - · RUOP, Discovery, Integration focused on Indian health and pre-approved
- > The Global Health Pathway, founded in 2004, administered by the Department of Global Health.
 - GHIP automatic approval; RUOP, Discovery, Integration with pre-approval
- > The Underserved Pathway, founded in 2006, administered by the Department of Family Medicine.
 - RUOP, GHIP, Discovery, Integration focused on underserved populations and pre-approved
- > The Latinx Health Pathway, founded in 2008, administered by the Office of Healthcare Equity (OHCE).
 - RUOP, Discovery, Integration focused on Latinx health and pre-approved
- > The LGBTQ Pathway, founded in 2016, administered by the Office of Healthcare Equity (OHCE).
 - RUOP, GHIP, Discovery, Integration focused on LGBTQ population and pre-approved
- > The Black Health Justice Pathway, founded in 2022, administered by the Office of Healthcare Equity (OHCE).
 - RUOP at underserved sites; Discovery or Integration focused on Black health and pre-approved
- > Clinical Translational Research Pathway (CTR), founded in 2023, administered by ITHS.
 - Discovery only
- > **Asian Native Hawaiian Pacific Islander Pathway** (ANPHI), founded in 2024, pilot pathway.
 - RUOP with focus on ANPHI health; Discovery or Integration focused on ANPHI health and pre-approved

Agenda

- > Overview
- > Options to complete your Scholarly Project Requirement
- > Getting started

CAREER ADVISING

medadv@uw.edu



Tonja BrownAdvisor for Idaho &
Spokane students

tlbrown@uw.edu



Linh Ngo
Advisor for Alaska, Montana,
& Seattle (Salish Sea and
Olympic Mts) students
lngo333@uw.edu



Sarah Thomson

Advisor for Wyoming & Seattle (Cedar River and North Cascades) students saraht44@uw.edu

Using Triple I to Explore Your Interests, Develop Your Skills & Build Your Professional Community

Consider Your Interests, Goals, and Areas for Growth:

- Medical settings, patient populations, health care systems
- Rural, urban, global health, education, advocacy
- Clinical skills
- Research skills

Next Steps:

Discuss options with your College Faculty and MS2-MS4 peers

Coming This Fall:

- Career Advisor in-person MS1 career planning group session with Q&A
- Details coming soon!

Career Advising Short Video Series for Foundations

All MS1s watch in the fall

Guidance from **Dr. Maya Sardesai**

(Assistant Dean of Student Development; Associate Professor; Associate Residency Program Director, Otolaryngology–Head & Neck Surgery)

Video Titles:

- How to Approach Career and Specialty Exploration
- How to Navigate Research; Guidance for Foundations Students
- Making Decisions About Extracurriculars in Foundations

Career Advising Resources

Specialty Guides (UWSOM Career Advising)

- Faculty advice on how each specialty weighs extracurricular activities
- Identify if your area of interests are <u>highly competitive specialties</u>
- Review guidance on:
 - Research (summer after 1st year is an ideal time to start)
 - Extracurriculars / extracurricular planning (what to prioritize for your specialty)

NRMP Program Director Survey

Shows factors rated most important by specialty (e.g., research, leadership, community engagement)

REMEDIATION

- > Please be aware that if you need to remediate coursework during the summer, you may be switched from your planned Triple I project to a modified Integration project.
 - https://education.uwmedicine.org/curriculum/by-phase/foundations/remediation/
- > The following requires switching to a modified Triple I
 - Remediating anything beyond 1 thread over the summer requires switching to a modified Triple I
 - For GHIP, any remediation will result in being to switched to a modified literature review
- > Please be aware that summer research programs that provide a stipend are dependent on you remaining in good academic standing.

Global Surgery Student Alliance presents:

Which Research should I choose?

Ask questions directly to upperclassmen about their Triple I experiences in the following summer research opportunities



Global Health Immersion Program (GHIP)



Scholarship of Discovery



Rural Underserved Opportunities Program (RUOP) & TRUST



Continuing Research after Summer III

10.07.25 | 7pm PST | Zoom

To volunteer as a panelist, please email madam1@uw.edu

CONTACTS

> **III Canvas Website**: <u>E25 Independent Investigative Inquiry</u>

> Discovery

Director: Cynthia Sprenger, cts2501@uw.edu

Contact: Amy Nair, somiii@uw.edu

> Integration

Director: Cynthia Sprenger, cts2501@uw.edu

Contact: Amy Nair, somiii@uw.edu

> RUOP

Director: Toby Keys keyst@uw.edu

Contact: Beth Dillon dillonb9@uw.edu

> GHIP

Director: Collette Abbott ceabbott@uw.edu

Contact: Kirsten Greene kngreene@uw.edu

QUESTIONS?