



2024 Research and Preclinical Preceptorships

How I want to spend my summer....

Agenda

- Quick presentation today—then meet with people you really want to talk with tomorrow
- Reasons for or against doing a research elective OR preceptorship
- Processes for
 - 1. Preclinical Preceptorships
 - 2. Summer Research Program (SRP)
 - 3. Medical Student Honors Research Program (MSHRP)

A stylized, colorful illustration of a landscape. The foreground features rolling green hills with dark brown soil patches. On the left, there is a green tree, a purple flower, and an orange flower. A small red bird is flying in the sky above the tree. The background consists of light blue and white wavy bands representing the sky.

Preclinical Preceptorship Program

Lisa Elferink, PhD
Professor, Neurobiology
Assistant Dean for Academic Affairs, JSSOM



Reasons to do a Preclinical Preceptorship

- See cool new stuff; test out a specialty
- Remember why you came here in the first place
- Satisfy requirements of a track
- Will improve your clinical skills and confidence
- Will contribute towards your 18 weeks of elective requirements

Reason for doing a research elective

- *May be required for a track*
- *To be competitive for certain specialties*
- *May help you meet a mentor*





Reasons to take off and enjoy your summer

- Personal reasons like getting married, traveling, visiting family, or just relaxing
- This is the last time in your career you will have this much time off

Preceptorships – Issues to consider

- You can do two, 4-week UTMB preclinical preceptorships, but they must be in different fields
- You MUST Register to ensure you have malpractice (Double check your schedule on MyStar)
- See who to contact via the online description
- All holds on your accounts must be cleared through enrollment services
- Check in MyStar and READ your emails!!!

Issues to consider, cont.

- All electives are “pass/fail”, but if you don’t show up you will earn an “F” and a “CAPP”.
- You cannot be in an office/lab with a relative or a coworker of a relative.
- You can only choose from the brochure offerings
- Only receive credit for course(s) in which you are enrolled.
- Enrollment won’t show up in MyStar until about 2 weeks before the elective

Financial Aid

You may be able to get more financial aid if you do an elective or preceptorship!

Erica Salas

Assistant Director of Financial Aid

<https://www.utmb.edu/enrollmentservices/resources/financial-aid>

Who should absolutely do a preceptorship?

- People in scholarly concentrations
- People anticipating seeking competitive residencies such as....

Emergency Medicine Ophthalmology

Plastic Surgery Dermatology

Orthopedics Radiation Oncology

- You will need to either do research or bank elective credit so you can have more flexibility as a 4th year

Scholarly Concentrations: Purpose

To provide interested students opportunities to receive expanded learning experiences in non-specialty-based areas of emphasis while completing the 4-year Integrated Medical Curriculum.

What scholarly concentrations do we have?

- Global Health
- Aerospace Medicine
- Rural Healthcare
- Translational Research
- Interprofessional Scholars
- Public Health and Medical Humanities (In process of being integrated)
- Bilingual Health
- Geriatrics
- Physician Healer (separate meeting)

How they work

- *Activities or coursework during all 4 years*
- *Summer between years 1 and 2 with specialized exposure*
- *Associated electives*
- *Seminars*
- *Scholarly project and product required*
- *5-6 months total*
- *Graduate with notation “Scholar in”*

Nuts and Bolts, continued

- Little of the coursework is “extra” – just the focus of electives or selective changes
- The distribution of the courses may vary from concentration to concentration
- A student may complete two tracks, but it requires a lot of effort
- Can change your mind without penalty

How/When Do I Sign Up?

- *Some scholarly concentrations are best if you signed up before starting at UTMB, but they'll work with you.*
- *Most scholarly concentrations have activities you can check out before committing*
- *Most scholarly concentrations are best if you sign up by summer*

Scholarly Concentrations

For more details about each Scholarly Concentrations,
including

- Activities
- Scholarly projects
- How/when to sign up

Talk to coordinators/directors at tomorrow's meeting.

<https://som.utmb.edu/som-educational-affairs/about-educational-affairs/tracks-areas-of-concentration>

How should I know what to do?!?!?

- Make use of <https://www.aamc.org/cim/> Careers in Medicine Self-Assessment and specialty guides
- Talk to your advisor (for MS1's – your Osler society faculty also)

Signing up for Preceptorships

Preceptorship brochure opens on *January 31st at 5pm*

<https://www.utmb.edu/meded/SummerPreceptorships/brochure.asp>

Preceptorship 2024 Elective Form opens *February 1 at noon* (link will be posted on Blackboard) and closes at *midnight February 19th*.

Select one or two 4-week preceptorships by date.

NO changes or late applications will be accepted after February 19th!!!

Last day to drop is 5pm the preceding Friday! After this, a drop shows as W/WP/WF on your transcript.

NOTE: A special process for three statewide programs!!

Statewide Summer Preceptorship in GIM

- The **General Internal Medicine** Statewide Preceptorship Program (GIMSPP)

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https://www.txacp.org/amsimis/TXACP/GIMSPP/For_Students/TXACP/GIMSPP/For_Students.aspx?hkey=e4eed47d-6ce7-4146-96b5-fd8ccf034467

- Applications open February 1 - February 28
- Contact: Dr. Micheal Hoffman mchoffma@UTMB.EDU
- AIM (Alliance in Internal Medicine - MEDU 1053) elective at the fair, which is another way we can try to match students with preceptors, specifically at UTMB or for subspecialty request

Statewide Summer Preceptorship in FM

- Texas **Family Medicine** Preceptorship (TFMP)
- <https://www.tafp.org/preceptorship>
- Applications open February 1
- Contacts: Dr. Jennifer Raley, jralley@UTMB.EDU, Christopher Pleasant, chpleasa.utmb.edu

Statewide Summer Preceptorship in Pedi

- General **Pediatric** Preceptorship Program (GPPP)
- <https://txpeds.org/student-information>
- Applications open February 1
- Contact: Tiffany Swain Swain, trswain@UTMB.EDU
- Offered 04/22/24 to 06/14/24, and may be completed any 4-weeks during that time, but the 4-weeks **MUST** be consecutive

One more issue to consider

- Some people will have to remediate a course or make-up an exam
- Make sure that your remediation and/or exam schedule is compatible with summer plans (e.g. don't plan an 8-week research preceptorship or two 4-week preceptorships if you know you must make up a PC or Incomplete grade)
- You can only get credit for one course at a time!!!

Summer Research Program

Daniel Jupiter, PhD

Associate Professor, Biostatistics and Data Science,
Orthopedic Surgery and Rehabilitation

Associate Dean for Academic Affairs, Graduate School of
Biomedical Sciences

<https://www.utmb.edu/gsbs/current-students/research/medical-student-summer-research-program/welcome-to-srp>

SRP Overview and Important Dates

- Dual Enrollment in SRP and any other Course or Elective is strictly prohibited.
- SRP provides the opportunity for students to conduct research for academic credit between medical year 1 and year 2.
- Course Dates: April 22, 2024 – June 14, 2024.
- SRP Application Deadline: April 5, 2024 (Stipend programs require additional applications).
- Poster Presentation: Date TDB
- Resource Link: [SRP 2024](#)

Course Credit

- To receive course credit, students are required to:
 1. Complete required safety training (BSL2/ABSL2/IRB Training may be required prior to beginning research).
 2. Participate in poster presentations.

Selecting a Research Mentor

- Students must select their own mentors; mentors are not assigned.
- Options for selecting a mentor:
 1. View list of available mentors located in the following SharePoint folder: [SRP 2024](#)
 2. Approach any faculty with a project or research subject that interests them

SRP Application Form

- Electronic application form will be available online by February 16, 2024.
- Deadline for form submission is April 5, 2024.
 - Website: <https://www.utmb.edu/gsbs/current-students/research/medical-student-summer-research-program/welcome-to-srp>
 - You can use your phone or computer to fill out.

SRP Application Form

- Obtain approval of form answers from your Mentor PRIOR to filling out the SRP Application Form.
- Ensure each answer is accurate before submission (watch out for spelling errors).
- You will only be allowed to submit the SRP Application Form once.

SRP Application Form

Summer Research Program - Application Form



The Summer Research Program offers a structured research environment for Rising MS2 students. The applying student must find a UTMB faculty research mentor or PI. Scheduled meetings, laboratory participation, and a poster presentation session are the required components of this program.

To receive credit for research work a student may not be gainfully employed as a part of the work (e.g., laboratory technician), and may receive no remuneration. A student may not select a relative to serve as a mentor, and the mentor must be a faculty member of the institution where research will occur.

To receive Academic Credit you Must:

1. Receive prior mentor approval before filling out the SRP Application;
2. Complete all work upon which credit is requested during the dates listed;
3. The mentor must submit a Student Research Programs Evaluation form to Enrollment Services at the end of the research period with the mentor's signature verifying completion;
4. Complete Orientation, Presentation, and Safety Requirements (as applicable)

Helpful Resources

JSSOM Academic Calendar: <https://som.utmb.edu/medical-education/academic-calendar>

SRP Website: <https://www.utmb.edu/gsbs/current-students/research/medical-student-summer-research-program/welcome-to-srp>

NOTE: You may only complete this Sign-Up Sheet once!

Please contact Stephanie Baxter (stbaxter@utmb.edu) if there are any issues.

SRP Application Form

1. Current Year *

Please enter in the YYYY format. Not your graduation year.
Example: 2024

The value must be a number

2. Rising MS2 *

Rising MS2

3. First Name *

Enter your answer

4. Last Name *

Enter your answer

5. Student ID Number *

This must match your Student ID exactly.

The value must be a number

SRP Application Form

6. Duration of Research *

Note: If you cannot finish an 8 Week Research Program, then you must provide justification on the next question. Please see current Academic Calendar: <https://som.utmb.edu/medical-education/academic-calendar>

*4 Week Duration requires prior Approval from the SRP Director (dajupite@utmb.edu).

8 Weeks

4 Weeks

7. Justification for 4 Week Duration of Research *

Note: This is only necessary if selecting a 4 Week option in the preceding question. Be sure to list the date range.

Enter your answer

8. Faculty Mentor/Principal Investigator First Name *

Do not include titles such as Dr., MD, or PhD

Enter your answer

9. Faculty Mentor/Principal Investigator Last Name *

Do not include titles such as Dr., MD, or PhD

Enter your answer

10. Faculty Mentor/Principal Investigator Email Address *

You must use the Faculty Mentor/Principal Investigator UTMB email address, if possible. If Faculty Mentor/Principal Investigator is outside of UTMB (indicating an 'external' rotation option) then please use their professional contact email.

Example: someone@utmb.edu

Please be sure there are no errors as an email is generated for approval based on this response.

Enter your answer

11. Is the above Faculty Mentor/Principal Investigator Email Address a UTMB email address? (see previous question) *

This is to correctly identify Faculty Mentor/Principal Investigator, and student applicants, that will have an 'external' rotation (not with a UTMB Faculty Member).

Yes

No

12. Mentor/PI Institution *

Please indicate the full proper name of your Mentor's/PI's home institution where you will be doing research.

Enter your answer

SRP Application Form

13. Mentor/PI Research Location *

Please provide research the location as City, State

Enter your answer

14. Lab Training *

Please **verify** with your Faculty Mentor/Principal Investigator which lab training you will need - prior to selection and submission.

NOTE: If you are only doing a literature review or data analysis, or a research project online you are EXEMPT from lab training.

ABSL1 - performing behavioral testing or rodent only viruses, or non-infectious agents/ risk group 1 (RG1) in animal agents.

ABSL2 - performing procedures or entering rooms where animals are infected with RG2 infectious agents. ABSL2 Biosafety Theory Online course and then hands on training with ARC or their PI/PI's designee (training must be documented).

BSL2 - performing procedures with RG2 infectious materials or recombinant DNA and or synthetic nucleic acids. BSL2 Biosafety Theory Online course and then hands on training with their PI/PI's designee (training must be documented)

- ABSL1
- ABSL2
- BSL2
- Exempt

15. IRB Training *

Will your research include Humans? If so, please indicate here.

- Yes
- No

16. IRB Protocol Number

If your research will include Humans, then you must provide your Mentor's IRB Protocol Number. Please type it exactly.

Enter your answer

17. IRB Expiration Date

If your research will include Humans, then you must provide your Mentor's IRB Expiration Date.

Please input date (M/d/yyyy)



SRP Application Form

18. UTMB Department or Field of Research *

Please choose the option that is the most closely related the Department or Field of Research

- Anesthesiology
- Biochemistry and Molecular Biology
- Dermatology
- Emergency Medicine
- Family Medicine
- Institute for Human Infections and Immunity
- Internal Medicine
- Microbiology & Immunology
- Neurology
- Neurosciences and Cell Biology
- Obstetrics & Gynecology
- Ophthalmology and Visual sciences
- Orthopedic Surgery and Rehabilitation
- Otolaryngology
- Pathology
- Pediatrics
- Pharmacology & Toxicology
- Preventive Medicine and Community Health
- Psychiatry and Behavioral Sciences
- Radiation Oncology
- Radiology
- Surgery
- Other

SRP Application Form

19. Provide a clear description of the research project and your specific activities. *

Minimum of 50 words, otherwise the SRP Application may be rejected.

Enter your answer

20. Type of Abstract and Poster Category *

- Basic Science
- Clinical Research
- Translational
- Educational

21. Stipend Program *

Did you apply and submit an application to one of the special programs that provide a stipend? As a reminder, stipend program applications should be submitted prior to filling out this, SRP Application.

Please select "N/A" if you did not apply to one of the below stipend programs.

SCiTR - <https://www.utmb.edu/its/learning/degrees-certificates/scholarly-concentration-in-translational-research>

TL1 - <https://www.utmb.edu/its/learning/degrees-certificates/scholarly-concentration-in-translational-research>

NIAID T35 - <https://www.utmb.edu/microbiology/trainees/niaid-t35/overview>

MSTAR - <https://www.utmb.edu/scoa/education/mstar-program>

- SCiTR
- TL1
- NIAID T35
- MSTAR
- N/A

SRP Application Form

22. Image Permission *

_____ to allow the use of my photograph and/or image to be displayed on UTMB Health related informational resources (electronic or otherwise).

Yes, I Agree

No, I Do Not Agree

23. I understand that by clicking the submit button on this form, the responses above represent honest and true statements that have been verified and confirmed by the Mentor/Primary Investigator I listed above. Additionally, I understand the information on this form will be shared with the Mentor/Primary Investigator and necessary Administrative Staff. *

Please input the current date.

Please input date (M/d/yyyy)



SRP Contacts:

- Dr. Daniel Jupiter
- dajupite@utmb.edu
- (409) 772-9143

- Stephanie Baxter
- stbaxter@utmb.edu
- (409) 772-3633
- CSW, Room 5.5C

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Medical Student Honors Research Program (MSHRP)

Dr. Jiaren Sun
Co-Director for MSHRP
Departments of Microbiology & Immunology, and
Pathology
jisun@utmb.edu

MSHRP - Background

- Research training for medical students that augments the regular medical school curriculum and leads to the conferment of Honors in Research in a Special Field at graduation
- Apply for entry by submitting a research proposal that has been approved by a Research Director (a full time faculty member under whom the student will perform the research)
- Acceptable projects will require the equivalent of at least 2-3 months of full-time effort
- Students are strongly advised to enter the Program as early as possible, at least by the end of their 3rd year

MSHRP – Step 1 – apply

1. *Research proposal: 5-10 pages, general outline and style of an NIH research grant application (specific aims, background and significance, methods)*
2. *Letter of support from Research Director: Faculty member must write a letter indicating willingness to supervise, availability of adequate resources to support the project, and an estimate of a reasonable time frame for completing the project*
3. *The student submits this letter and the faculty's CV along with the proposal to the Steering Committee in 3rd year*

MSHRP – Step 2 – do the research

1. *Ad Hoc Thesis Committee and Monitoring of Progress: Ad Hoc Thesis Committee monitors progress (3-4 members of the faculty, including Research Director, one member from Steering Committee, and 1-2 additional faculty members expert in the area of research)*
2. *The responsibilities of the Ad Hoc Thesis Committee include:*
 - *Monitoring the student's research activities and academic performance*
 - *Recommending changes or additions to the experimental work, if appropriate*
 - *Reading and evaluating the thesis*
 - *Conducting a final thesis defense and oral examination*

MSHRP – Step 3 – you're done!

Successful completion of the Honors Program requires:

- Writing and oral defense of a thesis
- Follows general form of a graduate-level thesis and has qualities of originality and significance
- Should have sufficient merit to be considered for publication, in an appropriate form, in a quality, peer-reviewed journal
- 30-45 minute oral presentation (no later than April 30th prior to graduation) of the research followed by a question and answer period
- Committee will then make a recommendation to the Steering Committee of whether or not the student merits graduation with Honors in a Special Field from UTMB

Enhancing Medical Student Research

Jeff Susman, Sr Associate Dean, JSSOM

- Foster awareness and participation in research and scholarship
- Better communication of key milestones and deadlines
- Improve identification and linkage with mentor
- Enhance training materials for students conducting research
- Increase opportunities for presentation and sharing of results
- Develop further resources to support student research

I want your ideas!



ANY
QUESTIONS
?