



# MEDICAL SCHOLAR RESEARCH PATHWAY PROGRAM

## Medical Scholar Researcher Application

The MSRPP Medical Scholar Researcher (MSR) pathway is academic research opportunity for students wishing to take research electives. This pathway is designed for medical students in *good academic standing* that want to strategically prepare for a career in Academic Medicine and prepare to be strong applicants to a number of residency programs.

### MSR Application Process

1. Receive personalized coaching and advice from our Director to plan your MSR academic scholarly research experience. Schedule your meeting with Dr. Conover in advance, by contacting Dr. Nigli ([nigli@tamu.edu](mailto:nigli@tamu.edu)).
2. Compose a “presentation letter” to seek interviews with potential research mentors.
3. Prepare for your interview, set feasible timeline expectations and project goals during your elective and follow-up work.
4. Complete your MSR application and get feedback from your mentor. Revise your application.

Submit your completed MSR application to our Office, ideally *2 weeks* before the start of your elective. Submit your complete document to the Director, Dr. Conover ([gconover@tamu.edu](mailto:gconover@tamu.edu)) and the MSRPP program coordinator ([nigli@tamu.edu](mailto:nigli@tamu.edu)).

5. Get your selected research elective approved and registered using the OASIS scheduling system in consultation with your Campus Navigator. To choose your research elective, see options in page 3 of this form.
6. Complete your MSR pathway following your timeline.
7. Schedule your formal oral presentation – MSRPP *Launch talk* – **1 week** after completion of your research elective by reaching out to Dr. Nigli ([nigli@tamu.edu](mailto:nigli@tamu.edu)). Talks are scheduled either for 25 min or 45 min time slot.

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Table 1: General information to set-up your MSR Pathway Program

Fill-in the required information below to set-up your MSRPP MSR research experience.

<b>Student Name:</b>				<b>Student UIN:</b>			<b>Class Year:</b>	YYYY
<b>Submission Date:</b>	MM	DD	YYYY	<b>Processing Date:</b> <small>[completed by our office]</small>	MM	DD	YYYY	
<b>Research Area / Topic:</b>								
<b>Residency plans</b>								
<b>TAMU COM Campus:</b>				<b>Affiliated Site</b>			<b>Other Clinical Institution</b>	
<b>Location:</b>	City			State		Country		
<b>Faculty Research Mentor</b>	Name:							
	Job Title:							
	Hospital and/or University							
	Work email address:							
<b>Research Elective Start date</b>								
<b>Research Elective End date</b>								



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## Research Elective Credit Hours

Students should plan in advance to submit their completed MSR application **2 weeks** prior to the start date of your chosen elective. As a starting point, consider that credit hour allocation for a total of 40 hours of dedicated time corresponds to 1.00 credit hour. Students may elect to participate in elective blocks during their M3 or M4 years.

The Office of Medical Student Research and an Academic Affairs Academic Navigator will confirm the final elective credit allocation. Indicate below which research elective you will be pursuing and the number of credit hours (2 minimum or up to 8 credit hours) you plan to register for in OASIS.

### *Longitudinal scholarly research elective:*

#### Medical Humanities

MHUM-823.B Medical Scholarly Research (Bryan)

#### Interdisciplinary Medical Education

MEID 691 Research (All campuses)

Number of credit hours:  _____
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### *Elective blocks:*

#### Medical Humanities

MHUM-802.B Directed Research in History of Medicine (London, UK)

MHUM-803.B Interdisciplinary Research (Bryan)

MHUM-821.D Research Practicum (Dallas)

MHUM-822.D Introduction to Research (Dallas)

#### Interdisciplinary Medical Education

MEID-985.RE Student Initiated Elective- Research (Any campus)

MEID-999.RE Student Initiated Elective- Research (Bryan)

MEID-820 Case Study: Fundamental Science Mechanisms Explaining Clinical Profiles (Any campus)

#### Internal Medicine:

IMED-842.H Immunology Research Mechanisms of Inflammation (Houston)

### *Radiology:*

MRAD-806.T Clinical Research Design and Application (Temple)

### *Surgery:*

Surgery-864.D Minimally Invasive Surgical Research (Dallas)



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Table 2: Research Time and Effort for your MSRPP MSR pathway

Each medical student should consider tracking their hours devoted to scholarly research during the entire MSR. Project the time you will devote to your MSR and submit the completed tally to our Office by **2 weeks** after the end of the program. An addendum can be provided if needed as an excel sheet.

	Projected Research Time	Actual Research Time
<b>Start Date</b> [MM,DD,YYYY]		
<b>End Date</b> [MM.DD,YYYY]		
<b>Week 1</b> [# h / date]		
<b>Week 2</b> [# h / date]		
<b>Week 3</b> [# h / date]		
<b>Week 4</b> [# h / date]		
<b>Additional time and effort</b> [# h / date]		

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Table 3: Educational Goals and Objectives for your MSRPP MSR pathway

After meeting with the principal investigator and/or research mentors, both student and mentor work together and delineate a MSE research project. This table must be filled out keeping in mind the scope of the research project fits with the time listed in Table 2.

Goals and Objectives for your MSRPP MSR pathway	
<b>Short-term Teaching Goal 1</b> [To be filled by mentor]	
<b>Long-term Teaching Goal 1</b> [To be filled by mentor]	
<b>Short-term Learning Objective 1</b> [To be filled by student]	
<b>Long-term Learning Objective 2</b> [To be filled by student]	
<b>Comments</b>	



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Table 4: Research Outcomes and Deliverable Plans for your MSRPP MSR pathway

List your expected deliverables and identify a Professional Conference you plan to present your research project.

	<b>Outcome</b> (check as appropriate)	<b>Narrative</b> (list title if applicable)	<b>Timeline</b> (list estimated completion date)
<b>Research skill 1</b> [Short-term]			
<b>Research skill 2</b> [Long-term]			
<b>Oral research presentation</b> [invited talk length, specify venue]			
<b>Presentation of poster paper</b> [Specify venue]			
<b>Capstone research written project</b>			
<b>Co-authorship in a peer-reviewed publication</b> [Specify journal]			
<b>Clinical case report</b> [Specify journal]			
<b>Case-control cohort population studies</b> [Specify disease or population]			
<b>Health quality improvement studies</b>			
<b>Meta-analysis literature review</b> [Specify disease or population]			
<b>Conference URL</b>			



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## Abstract for your MSRPP MSR pathway

Provide abstract for your MSR research project. Describe the disease pathology, clinical manifestations and symptoms, standard diagnosis criteria, and clinical treatment options. In addition, provide a clear working hypothesis, the project broader goal(s), and/or the unmet health needs the research project aims to advance.

Limit your abstract to no more than 300 words, font size 11 points.



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## Flow Chart for your MSRPP MSR pathway

Draw the projected action plan by making a flow chart highlighting the planned milestones and research activities for each week/month of your MSR project.

A large, empty rectangular box with a thin black border, intended for the student to draw a flow chart detailing their MSR project milestones and activities.



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## Medical Scholar Researcher Pathway Registration Signatures

To formalize your MSR Pathway with our Office, go ahead and collect the required signatures below. Please note that the Medical Student Research Office will document and evaluate the research outcomes of each research dossier.

In lieu of wet/electronic signatures, students may ask faculty to send an email acknowledging submission of this form to [COM-MD-Research@tamu.edu](mailto:COM-MD-Research@tamu.edu)

	Printed Name	Signature
<b>Medical Student</b>		
<b>Principal Investigator (PI)</b>		
<b>Research Mentor</b> (if different from PI)		
<b>Department Head</b>		
<b>Clerkship Director</b> (if appropriate)		
<b>Comments</b>		

## MSR Pathway Assessment and Evaluation

Our Office will document your complete MSR form in your research dossier. This dossier will be available to the Office of Student Affairs to track medical student research participation in your Dean's letter. Upon completion of the MSR program, a short assessment survey will be sent to both the medical student and the principal investigator/research mentor.

The PI will write a short report describing the student performance. Submit the report to [COM-MD-Research@tamu.edu](mailto:COM-MD-Research@tamu.edu) no later than **4 weeks** after completion of the MSR.

To evaluate your MSR, schedule a meeting with the Director, Dr. Gloria Conover ([gconover@tamu.edu](mailto:gconover@tamu.edu)) by sending appointment requests to Dr. Selina Nigli, ([nigli@tamu.edu](mailto:nigli@tamu.edu)).