



# MEDICAL SCHOLAR RESEARCH PATHWAY PROGRAM

## Medical Scholar Explorer

The Medical Scholar Explorer (MSE) pathway is a voluntary *non-credit* scholarly research educational experience available to Texas A&M medical students in good academic standing that give skills and tools for students to advance their long-term professional research development plans.

Once a research mentor has been identified, with the guidance of our Office career along with coaching and mentoring services, medical students will complete the appropriate trainings (TAMU Traintraq and/or collaborative institutional training initiative). For more detailed application steps visit our [website](#).

Submit your completed MSE form to [COM-MD-Research@tamu.edu](mailto:COM-MD-Research@tamu.edu) with a copy to the Director of Medical Student Research Education, Dr. Gloria Conover [gconover@tamu.edu](mailto:gconover@tamu.edu) and our program coordinator, Dr. Selina Nigli, [nigli@tamu.edu](mailto:nigli@tamu.edu). Students may receive feedback on particular sections of their MSE applications. Once the revisions are incorporated, the student will receive a formal letter from our Office notifying that their application was accepted.

**Table 1: Medical Scholar Explorer Application Information**

<b>Student Name</b>		<b>UIN</b>		<b>Class Year</b>	
<b>Submission Date</b>		<b>TAMU Campus</b>			
<b>Research Area</b>					
<b>Affiliated Hospital</b>		<b>Affiliated Site</b>			
<b>Address</b>					
<b>Principal Investigator</b>	<b>Name</b>				
	<b>Job title</b>				
	<b>Institution</b>				
	<b>Department/Clinical specialty</b>				
	<b>E-mail</b>				
	<b>Website</b>				

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**Table 2: Medical Scholar Explorer Research Timeline**

Students must specify whether their MSE pathway will follow a block (break, or approved COM leave of absence time) or a longitudinal timeline (1 semester or 2 semesters). Fill out the number of weeks planned for your **block MSE** in the table below. For a longitudinal MSE, provide an excel table as an *addendum* specifying the number of weeks you plan to spend completing your scholarly research project. If your plans change, you must notify as our Office as soon as possible, to update your research portfolio.

To strategically map your deliverables to your MSE project goals, students are strongly encouraged to discuss this timeline with your research mentor and come to an agreement on a defined research project. After you have been admitted to the MSRPP, you will be offered the choice to use *TimeClock plus* app to track your research hours. You are requested to submit your research hours to our Office, **1 week** before your end date.

Block MSE	Projected Research time (hours/week)	Actual Research time (hours/week)
<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>Week 5</b> [# h / date]		
<b>Week 6</b> [# h / date]		
<b>Week 7</b> [# h / date]		
<b>Week 8</b> [# h / date]		



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**Table 3: Medical Scholar Explorer Medical Educational Program Objectives**

After meeting with the principal investigator, both student and mentor will collaborate to concretely delineate a MSE research project. Verify that the scope of your MSE research project clearly fits with the timeline specified in Table 2.

Students and mentors must write at least 1short-term and long-term goal/objective. Writing clear MEPOs is mandatory for your application to receive full consideration.

MSE Medical Education Program Objectives	
<b>Short-term Teaching Objective</b> [To be filled by mentor]	
<b>Long-term Teaching Objective</b> [To be filled by mentor]	
<b>Short-term Learning Objective</b> [To be filled by student]	
<b>Long-term Learning Objective</b> [To be filled by student]	
<b>Comments / Questions</b>	



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**Table 4:** Medical Scholar Explorer Research Outcome and Deliverable Plans

Check the expected deliverable/outcomes for your MSE from the list below. You are strongly encouraged to give a final MSE *Launch Talk* research report to disseminate your research to the entire College of Medicine community of scholars. Also, please specify the URL of the conference/workshop you plan to present your scholarly research project.

	<b>Outcome</b> (Check as appropriate)	<b>Narrative</b> (Write full presentation title)	<b>Timeline</b> (Estimate the completion date)
<b>Research skill 1</b> [Short-term]			
<b>Research skill 2</b> [Long-term]			
<b>Oral presentation</b> [invited talk length, specify venue]			
<b>Poster paper</b> [List Conference, date]			
<b>Capstone research written project</b>			
<b>Co-authorship in a peer-reviewed journal</b> [Specify journal name]			
<b>Clinical case report</b> [Specify journal name]			
<b>Case-control cohort population study</b> [Specify population]			
<b>Health quality improvement study</b>			
<b>Meta-analysis literature review</b> [Specify disease]			
<b>Launch Talk</b> [Specify week(s)]			
<b>Presentation venue website</b> [Provide URL]			



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## Medical Scholar Explorer Abstract

Provide a synopsis of your planned MSE research project with a concise working hypothesis and a clear description of the unmet healthcare need that you would like to address. This narrative must include context details such a disease clinical symptoms, standard of care diagnosis criteria and treatment. Use font size 11 and technical medical language. Limit your abstract to 300 words.



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## Medical Scholar Explorer Action plan Timeline Scheme

Provide a flow-chart or visual aid for your weekly/monthly action plan for your MSE research.

A large, empty rectangular box with a thin black border, intended for the student to draw a flow-chart or visual aid for their weekly/monthly action plan for their MSE research.

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## Medical Scholar Explorer Registration Signatures

To complete your MSE application, collect the required signatures below. You must provide either a Department Head signature or a Clerkship Director signature. If neither is available, you may provide a Campus Dean signature (\*). An e-mail from the PI or Department Head/Dean verifying knowledge of the student's MSE participation are acceptable in lieu of paper /electronic signatures sent 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 clerkship student)		
<b>Campus Dean*</b>		

The Medical Student Research Education Office will document the completed MSE form in the research dossier of each Texas A&M College of Medicine medical student. Be pro-active and update our Office of any changes to your MSE research plan.

## Medical Scholar Explorer Assessment Survey

Upon completion of your MSE, a short assessment survey will be sent to both the medical student and the principal investigator. Follow-up meetings of students and/or research mentor with Dr. Conover, the Director of Medical Student Research Education will evaluate whether the scope of scholarly research educational experience was met.