



**SUMMER MEDICAL RESEARCH FELLOWSHIP (SMRF) PROGRAM
INSTRUCTIONS and GUIDELINES 2020**

I. INTRODUCTION

The Dean of the Rowan School of Osteopathic Medicine (SOM) will once again support the **Summer Medical Research Fellowship (SMRF) Program**. **SOM medical students who are selected to participate receive a stipend to work for six (6) weeks with an SOM faculty mentor on a research project.** The stipend will be paid in two payments. The **first half of the stipend payment will be processed on or around the end of June 2020**, and the **second half/final payment of the stipend will be processed on or around the end of July 2020**. (Please note: **Stipend payment is taxable.** Rowan University will send all SMRF Program Participants a 1098-T in Jan./Feb. of 2021)

The purpose of the summer research program is to promote and facilitate education in scientific research where students participate in research activities at a professional level.

II. EVALUATION CRITERIA

The SOM Senior Associate Dean for Research (SOMDR) and the SOM-Research Committee administer the SMRF Program. The Research Committee and ad-hoc members will review and evaluate the SMRF research proposals. The program is competitive and it is anticipated that not all proposals will be funded.

All proposals will be evaluated with respect to:

- the expected experience of the student participating in research activities
- the strength of the scientific rationale and feasibility of the stated objectives (the scope of the research project should be appropriate for a student working over a six week period)
- clarity of the written proposal.

III. APPLICATION FORMAT AND CONTENT

Applications must:

- **be written by the student (First Person)**, with guidance from their faculty mentor
- address **all** sections
- address items in narrative format, preceded by the item number

Submission of applications will be electronic; no paper applications will be accepted. Applications exceeding the page limits will not be reviewed.

Send your application/proposal, in Adobe “.pdf” format, to somresearch@rowan.edu by Tuesday, **February 18, 2020**.

The application and guidelines can be found online at <http://som.rowan.edu/oursom/pipeline/research/smrf.html>

Use your Rowan credentials when logging in to access this information.

IV. CONTENT FOR APPLICATION/PROPOSAL

The narrative portion of the proposal **must be no more than 2 pages total** in length. The cover page is a Microsoft Word fillable form.

There are 6 sections of the proposal/application:

- 1) Cover Page: Not part of the 2 page limit
- 2) Introduction: 0.5 page
- 3) Experience of the Student: 0.5 page to 1 page
- 4) Expected outcome(s): 0.5 page
- 5) References: Not part of the 2 page limit; no page limit
- 6) Appendices: Not part of the 2 page limit; no page limit

The proposal must have all the sections completed, and must address all items listed below:

INTRODUCTION (0.5 page limit):

In the **student's own words**, address the following 3 items:

1. What is the problem/question that will be addressed in this summer medical research project?
2. Briefly describe the approach and the specific goals of the project.
3. If this summer project is part of a larger research project, briefly explain how the student's work will fit into it.

EXPERIENCE OF THE STUDENT (0.5-1.0 page limit):

Address the following 10 items:

1. What specifically will the student do?
2. What methods /tasks will the student perform?
3. How will quantitative data be analyzed?
4. What skills will the student learn?
5. How will the student's work relate to the scientific goals as outlined in the Introduction?
6. Where and when (days/hours) will the student work?
7. Who else will be involved in the project?
8. What resources are available to the student?
9. What will be the involvement of the Faculty Mentor?
10. Provide a timeline of milestones for the project.

EXPECTED OUTCOMES (0.5 page):

Address the following 3 items:

1. What will be the tangible product of the student's work?
2. What will be the next phase of the research project based on the student's work?
3. What will happen if the desired results are not achieved?

REFERENCES (no page limit):

List of bibliographic references for any citations mentioned in the Introduction and Experience of the Student sections.

APPENDIX (no page limits):

Instructions:

1. If adding an Appendix to the application, it must be a separate file (Word or PDF) and named "Appendix.____" (*.doc, *.docx, or *.pdf).
2. The Appendix must be a single merged Word or PDF file (*.doc, *.docx, or *.pdf).
3. The Appendix may include any additional documentation **necessary** to describe the project (e.g., figures, tables, survey instruments).

V. ROLES, RESPONSIBILITIES, AND REQUIREMENTS

Regulatory and ethical standards apply to all research, regardless of the scope of the project.

Faculty Mentor: (Mentor must be a full time RowanSOM Faculty Member)

It is the role of the Faculty Mentor to aid and advise the student. This includes all activities and requirements related to the research project, as it pertains to student involvement. **Faculty mentors can supervise up to 3 students for this program. The Faculty Mentor will also need to help the student(s) complete the Job Request Form that is submitted to the IRT Technology Services Media Department for his/her poster printing for Research Day. This will require the Faculty Mentor to have available funds in their departmental budget to cover the cost for the poster printing.**

The investigator of record for all student projects is the Faculty Mentor. All such research requires regular reporting and is subject to audit by internal and external regulatory officials, even after the student's participation is finished.

Faculty Mentor Certification:

Before submission of the application by the student, the Faculty Mentor must certify that he/she is willing to participate in the project, has available resources (*i.e.*, supplies - **including cost for poster printing**, time commitment, etc.) and has the proper facilities to carry out the project. The Faculty Mentor must sign the 'Faculty Mentor Certification' section of the application cover page.

Institutional Review Board (IRB) and/or Institutional Animal Care and Use Committee (IACUC)

Approvals:

(See Section X for contact information)

- All research involving human subjects or patient information must be approved by the IRB.
- All research involving animals must be approved by the IACUC.

Appropriate **IRB and/or IACUC approvals must be obtained before research projects can begin**. In most cases, this usually involves adding the student to an existing protocol. IRB and/or IACUC applications are completed and submitted by the Faculty Mentor on behalf of the student. Applicants (student and Faculty Mentor) who are recommended for funding will be notified about any approvals that are required and how to obtain these approvals. Procedural instructions to use when applying for IRB approval will be provided (included with Award Letter) to those individuals selected to participate in the program.

Student:

It is the role of the Student to prepare the application in its entirety with the help of the Faculty Mentor. The application must be written and submitted by the student (First Person). Each student must have his/her own unique project.

Institutional Review Board (IRB) and/or Institutional Animal Care and Use Committee (IACUC)

Approvals:

All research involving human subjects or patient information must be approved by the IRB. All research involving animals must be approved by the IACUC. IRB and/or IACUC applications are to be completed and submitted by the Faculty Mentor on behalf of the student.

If (IRB/IACUC) Approvals are not received by the start date of the SMRF Program Monday, June 1, 2020 the project will be disqualified from the program and no stipend will be paid to the student.

Students are responsible for getting a copy of the protocol approval from the Faculty Mentor or the IRB and/or IACUC offices, and must submit the copy(s) to the SOMDR.

All projects approved for funding must be conducted as described in the original application submitted to the SOMDR. Changes to any approved project will require a one (1) page addendum to the application stating what and why changes will be made.

VI. FELLOWSHIP STIPENDS

No stipends will be processed until all appropriate IRB and/or IACUC approvals are obtained by the Faculty Mentor and copies of protocol approval(s) are submitted to the SOMDR.

VII. PROGRESS REPORTS

At the end of the research period, **a Progress Report (2-page limit) is required**. The progress report **must be submitted to the SOMDR by Monday, September 21, 2020**. The report should briefly state what work was performed, what data were collected, and what conclusions were drawn. **The Faculty Mentor must certify the Progress Report content before the report is submitted via e-mail by the student.**

The student must include the following statement in his/her e-mail with attached final progress report that will be sent to somresearch@rowan.edu with a copy to his/her Faculty Mentor:

“I am copying this e-mail to my Faculty Mentor, _____, to confirm that he/she has reviewed and approved the attached final progress report.”

VIII. RESEARCH DAY

Successful completion of a project requires a poster presentation by the student during the **2021** Research Day. All posters will be evaluated by the SOM Research Committee, during which time student participants are required to be present for discussion. It is expected that the students can sufficiently explain their projects, including their involvement. All who participated significantly in the project are expected to be appropriately recognized as collaborators in the poster’s authors’ list.

IX. TIMETABLE AND DEADLINES

Deadline for applications	Tuesday, February 18, 2020
Notification of accepted proposals	on/around Wednesday, March 18, 2020
IRB and IACUC process begins	immediately after notification
IRB and IACUC approvals required	by, June 1, 2020
Projects begin	Monday, June 1, 2020
Fellowship Stipend - First half payment processed	end of June 2020
- Second half/final payment processed	end of July 2020
Active phase of projects should be complete	around Monday, August 3, 2020
Progress reports due	Monday, September 21, 2020
Research Day	around beginning of May 2021

X. CONTACT INFORMATION

Questions about the SMRF Program can be directed to either Dr. Carl Hock (hock@rowan.edu) or Dr. Adarsh Gupta (guptaad@rowan.edu)

SOM Senior Associate Dean for Research (SOMDR)

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E-mail: hock@rowan.edu

**School of Osteopathic Medicine (SOM)-
Research Committee**

Adarsh Gupta, D.O., Committee Chair
Stratford, NJ 08084-1500
Tel. (856) 720-0254
E-mail: guptaad@rowan.edu

Questions concerning IRB or IACUC protocols and approvals can be directed to Dr. Sreekant Murthy (Murthy@rowan.edu)

**SOM-Office of Institutional Review Board (IRB)
and Institutional Animal Care and Use
Committee (IACUC)**

Dr. Sreekant Murthy, PhD
Chief Research Compliance Office
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