



**MICHIGAN MEDICINE
DEPARTMENT OF EMERGENCY MEDICINE
RESIDENT/FELLOW RESEARCH DEVELOPMENT GRANT**

APPLICATION COVER SHEET

Date of Application:

Applicant Name:

E-mail Address:

Phone #:

Research Mentor – name and title:

Mentor Email Address

Title of Grant:

Proposed Project Period: Start Date:

Completion Date:

Funding Amount Requested: (Maximum \$5,000 for RRDG, and \$10,000 for FRDG)



EMERGENCY MEDICINE

RESIDENT/FELLOW RESEARCH DEVELOPMENT GRANT APPLICATION INSTRUCTIONS

Please provide the following information in this order. Adhere to page limits. Use 11 point font or larger and standard margins. Prepare the application and submit as a **pdf document** via email to John Burkhardt, MD at jburkhar@med.umich.edu by 5pm on Friday March 2nd, 2020.

1. **Specific Aims:** State concisely the goals of the proposed research and summarize the expected outcome(s), including the impact that the results of the proposed research will exert on the research field(s) involved. List no more than three specific aims and limit to one page maximum.
2. **Research Strategy:** In this section address the following in a concise manner. Limit to three pages maximum for a. through d. with one additional page maximum for key references.
 - a. **Significance:** Explain the importance of the problem or critical barrier to progress in the field that the proposed project addresses. Explain how the proposed project will improve scientific knowledge, technical capability, and/or clinical practice in one or more broad fields. Describe how the concepts, methods, technologies, treatments, services, or preventative interventions that drive this field will be changed if the proposed aims are achieved.
 - b. **Innovation:** Explain how the application challenges and seeks to shift current research or clinical practice paradigms. Describe any novel theoretical concepts, approaches or methodologies, instrumentation or intervention(s) to be developed or used, and any advantage over existing methodologies, instrumentation or intervention(s). Explain any refinements, improvements, or new applications of theoretical concepts, approaches or methodologies, instrumentation or interventions.
 - c. **Approach:** Describe the overall strategy, methodology, and analyses to be used to accomplish the specific aims of the project. Include how the data will be collected, analyzed, and interpreted. If the project is in the early stages of development, describe any strategy to establish feasibility, and address the management of any high risk aspects of the proposed work. Include a project timeline with dates for achieving milestones.
 - d. **Dissemination:** Describe how the results of the research will be disseminated through scientific presentation(s), manuscript submission(s) with specific meetings and journals that are appropriate for this research.
3. **Budget Justification:** Provide a brief description (200 words maximum) of how the grant funds will be used. (Note: funds cannot be used for salary support for the applicant or mentor).
4. **Research Development Plan:** Describe a research development plan during project period that includes mentor interactions, course modules, workshops, conferences, and other research training opportunities that will build research knowledge and skills. (One page maximum)
5. **Mentor Support Letter:** Provide a signed, (maximum one page) letter of support from the research mentor that explains the background and relationship of mentor and applicant, the commitment of the mentor to supervise the research project, the plan for meetings and communication with the applicant, and the resources the mentor can provide to assist the project.