EMF Patient Centered Outcome Research Grant

Please read these instructions carefully. Applications that do not follow these instructions with regards to typesize, length, format, and supporting documentation will be summarily rejected. If the grant application deadline has not passed, the application may be resubmitted after deficiencies are addressed. No extension of the deadline will be granted to allow resubmission in this cycle.

Before submitting your application, please be sure that the following items have been addressed:

- Information page is included as the first page of the application packet and is fully completed.
- Type size is no smaller than 15 characters per inch (use 12-pt. font if you are unsure)
- Evidence of IRB approval, or at least evidence of submission to IRB, from each institution, is included in application packet (for multi-centered studies, approval from or evidence of submission to IRB/AUC for all sites is required)
- Clearly stated research hypothesis
- Statement of Conditions is signed by applicant and **Institutional Fiscal Officer** and is included in application packet
- Letter of support from Emergency Medicine Chair is included in application packet
- Letter of support from each co-investigator is included in application packet
- **Other grant support for all investigators is included in application packet**
- Submission via our on-line application system is required. Late applications will not be considered. http://www.emfoundation.org/applyforagrant/

EMERGENCY MEDICINE FOUNDATION
PATIENT CENTERED OUTCOME RESEARCH GRANT

GENERAL INFORMATION
2015 - 2016

Deadline for receipt of application	- February 6, 2015
Notification of award	- May 2015
Funding	- July 1, 2015 - June 30, 2017

Please fill out the information questionnaire and upload the completed application through our online grant portal.

INTRODUCTION

The Emergency Medicine Foundation endeavors to promote and to provide improved education and research in the field of emergency medicine in order to improve the availability and quality of emergency medical treatment.

The EMF Patient Centered Outcome Research Grant will award funds for research that describes the unique interaction between emergency clinician and patient in health policy or health services research topics. Applicants may apply for up to a total of $100,000 for a two-year period.

RESEARCH TOPICS

Funding opportunities have emerged at the federal level focusing on the importance of patient centered care research. A unique aspect of this sphere of Patient Centered Outcome Research is that it aims to provide the best evidence to help patients and health care providers make more informed decisions. This grant application should be considered by anyone in emergency care research working toward optimal understanding of the prevention, diagnosis, treatment and care options available, and the science that supports optimal shared decision-making at the point of care.

Patient centered outcomes research (PCOR) by definition evaluates questions and outcomes considered to be meaningful and important to patients and caregivers. This definition of PCOR rests on the belief that patients have unique perspectives that can change and improve clinical questions. This definition of and belief underlying PCOR is based on the hypothesis that including the perspectives of end-users of the research (patients, clinicians, and other health care stakeholders) will increase the relevance of the research to actual health care decisions faced by these end users and, in turn, will increase the likelihood that the evidence generated from the research will be applied to practice and achieve the health outcomes patients desire.

When formulating your research question(s), it is critical that the perspectives of patients, clinicians, and other health care stakeholders guide and inform both the questions and the outcomes. There must be evidence in the proposal that patients' viewpoints have been actively solicited (not presumed by non-consumer clinician and research stakeholders, a key distinction and frequent pitfall) and that patients are involved in each step of the research process (preparatory/grant proposal, execution, and dissemination phases of the research).

The other defining characteristic of PCOR is that it is comparative effectiveness research (CER), that is, it compares the benefits and harms of alternative methods to prevent, diagnose, treat, and/or monitor a clinical condition or to improve the delivery of care. Two or more interventions can be compared, or the comparator can be usual care, though what comprises "usual care" must be clearly defined.

For this one time grant opportunity, EMF encourages applications with a focus on optimal ways to measure and positively impact patient centered health outcomes in a meaningful way within the setting of emergency care.

Focus could include, but is not limited to, the following: optimizing patient and clinician decision-making with respect to test ordering, patient-clinician valuation of risks and benefits of treatment, patient decision-making regarding care goals in the context of chronic disease, and others. However, it is important to note that EMF welcomes all applications, including research that may not fit these examples. A key to this grant funding is that proposed work must involve in some way the participation of patients in the evaluation of health state outcomes relevant to emergency care.

ELIGIBILITY

The principal investigator is recognized as an accomplished investigator in the area of study proposed, and must have proven ability to pursue independent research as evidenced by original research publications in peer-reviewed journals or funding from extramural sources. The principal investigator must have a primary faculty appointment in Emergency Medicine. The principal investigator will make all arrangements for conduct of the proposed research projects, and assumes responsibility for conducting the research projects and supervising the work of all associate investigators.

INSTITUTIONAL SUPPORT

The applicant is required to demonstrate that the project will be successfully completed at their institution. The applicant must demonstrate that access to a suitable caseload, patient population or database will be available for study during the funding period. **Research must be approved by the institutional review board (IRB), or its equivalent, and a copy of the approval or pending approval sent with this application. IRB approval must be documented prior to dispensation of EMF funds.**

The applicant must also submit a letter from the Chair/Director of Emergency Medicine stating that adequate funds and time will be available to the applicant to complete the proposed project.

EVALUATION OF APPLICATIONS

Each application will be reviewed by emergency medicine specialists who are actively involved in basic, clinical or health services research. Each application will be judged primarily on: (1) the significance of the project to emergency medicine, (2) the soundness of the research methodology, and (3) the likelihood the project will be completed. The final funding decision will be made by the Emergency Medicine Foundation Board of Trustees and all decisions are final.

TERMS OF THE AWARD

The Patient-Centered Outcomes Research Grant funds will be disbursed semi-annually over the two year cycle. Disbursement of payments will be contingent upon satisfactory progress reports.

<u>Limitations on Awards</u>

Funds may be used for materials and supplies and to provide salary support. Capital equipment expenditures (costing more than $5000 and a life of over one year) must be justified in the budget. Payments will be made to the principal investigator's institution that will be responsible for administering the funds. The Emergency Medicine Foundation will not be responsible for institutional overhead, cost for publications, travel, renovations, or secretarial support. Detailed audited financial reports may be required. The EMF is not fiscally responsible for funds necessary for the project's completion.

<u>Change of Status of Principal Investigator</u>

If the principal investigator changes affiliations or ceases research in the field for which the award was made, the award will terminate and the remaining balance will be returned to the Emergency Medicine Foundation.

<u>Liability of the Emergency Medicine Foundation</u>

The EMF assumes no financial liability if patient care responsibilities of any kind are undertaken by the program faculty or investigator. The principal investigator and his or her institution acknowledge that the EMF is not legally liable for the conduct of the institution, the principal investigator, the program faculty, or any associate investigators.

Patent Policy

The principal investigator and institution acknowledge that, though unlikely, if a patentable invention or discovery is conceived, or conceived and reduced to practice by EMF-supported personnel during the award year, the EMF must be apprised of the invention and the institution's plans for protecting such invention under existing institutional patent policy. The EMF will defer to institutional policies where they are in compliance with those of the Federal government. The EMF reserves the right where the organization has no patent policy, or policies not in compliance with those of the federal government, to claim rights and interests in the invention or discovery.

SUPPORT FACILITIES

The applicant must submit letters of support if the proposed project uses facilities not routinely available to or directly under the supervision of the sponsoring program.

PUBLICATIONS

All discoveries resulting from work supported in part by the Foundation should be made available to the public and scientific community through scientific and/or public policy channels such as national meetings and peer-reviewed publications. Publications will acknowledge the support of the Emergency Medicine Foundation. Two reprints of each publication should be forwarded to the Emergency Medicine Foundation.

PROGRESS REPORTS AND MONEY MANAGEMENT

The principal investigator is required to submit a six-month progress report and a final progress report within thirty days of the conclusion of the award year. Additional reports may be required. Failure to provide such reports will delay transmission of funds. Furthermore, failure to provide interim and final reports to the Foundation may negatively impact your institution's ability to apply for future EMF awards. EMF will maintain the copyright of all such reports. Progress reports must include an accounting report using Generally Accepted Accounting Procedures showing the distribution of funds with a signature from an institutional official (e.g., accountant, grants manager, administrator from the Office of Sponsored Research). The EMF reserves the right to with hold release of interim funds if >25% of the previous cycle remains unspent. The EMF allows up to 25% of funds to be carried over from one cycle to the next.

SURVEYS

The principal investigator and the institution will be surveyed periodically following completion of the award regarding career paths, subsequent grants/contracts obtained, and publications. The principal investigator and the institution will be expected to respond to these surveys as the Foundation will rely on such information to support continuation of the award program.

RESEARCH FORUM

Awardees are required to present their work at the American College of Emergency Physicians Scientific Assembly/Research Forum immediately following the completion of the ward year as a poster presentation. Funds cannot be requested to cover the travel cost to attend the Research Forum, although the Scientific Assembly/Research Forum registration fee is waived for the presenter.

GRANTEE WORKSHOP

Grant recipients will be expected to attend a grantee workshop. The workshop is designed to bring together EMF grant recipients to present their progress and discuss any problems they may be facing. Senior researchers and faculty will be available to help solve problems that are potentially bogging down research projects, manage staff, and balance life. Travel expenses will be reimbursed by the Emergency Medicine Foundation.

APPLICATION INSTRUCTIONS

Submission in electronic format is required. No paper copies please. Please fill out the detailed questionnaire about your grant application on the link on our EMF grant page. Be prepared to submit information about your project including where the name and address of your institution, detailed information about where the check will be sent, and names of your mentor, fiscal officer, etc. Once the "questionnaire" is completed, you will need to press submit then you will be guided to the next page where you can upload your application in a PDF format. Please note, the completed file cannot be larger than 10MB. **INCOMPLETE PROPOSALS OR PROPOSALS RECEIVED AFTER THE DEADLINE DATE INDICATED UNDER GENERAL INFORMATION WILL NOT BE CONSIDERED.**

> Historically, getting the signatures on the application has been the main delay in meeting the grant deadline due to sick leave, vacations, business travel, etc. We suggest that you start getting the signatures as soon as possible so you do not miss the grant deadline. Once the deadline passes, we cannot accept the application.

Use English only and avoid jargon and unusual abbreviations. For terms not universally known, spell out the term the first time it is used with the appropriate abbreviation in parentheses; the abbreviation may be used thereafter. Type the application, single-spaced, and stay within the margin limitations indicated on the forms and continuation pages. The type must be clear and readily legible, no smaller than 15 characters per inch. (If in doubt, use 12 pt. size font.) Finally, there must be no more than six lines of text within a vertical inch. Use black type; do **not** use photo-reduction.

Do **not** submit an incomplete application. **An application will be considered incomplete if it is illegible, if it fails to follow instructions, or if the material presented is insufficient to permit an adequate review.** Unless specifically required by these instructions (e.g. human subjects certification, vertebrate animals verification) do **not** send supplementary material.

The application is to be submitted using the enclosed forms. Number the pages consecutively at the bottom throughout the application. Do not use suffixes such as 5a, 5b. Type the name of the Mentor at the top of each printed page. **AN APPLICATION WILL NOT BE CONSIDERED IF PAGE LIMITATIONS ARE NOT OBSERVED**.

The application consists of the following sections:

1. INFORMATION PAGE

Name the **one** person responsible to the applicant organization for the scientific and technical direction of the project. Choose a title that is descriptive and specifically appropriate, rather than general. List the Mentor and any associate investigators.

2. ABSTRACT

Brief summary of educational program and research proposal. Include coursework (or degree) to be completed and rationale, research hypothesis, specific aims, and significance.

3. TABLE OF CONTENTS

4. INTRODUCTION TO REVISED APPLICATION, if applicable. (limit 2 pages)

EMF will consider revised proposals, and two additional pages are provided to introduce reviewers to the revised proposal. Key things to keep in mind when submitting a revised grant:

a. The introduction to the revision should provide a concise summary of reviewers' comments from the

previous application and should, point-by-point, discuss how the revised application has addressed these concerns.

b. Revised applications are not reviewed outside of the normal review process. Such applications may be more competitive than first-time submissions, but not necessarily so.

c. Revised applications are reviewed as new science. Revised applications will not automatically be considered better applications within the review process.

d. In the event of a resubmission, the committee will attempt to return applications to their original reviewers when possible. However, regular turn-over of the committee membership prevents the SRC from guaranteeing that a grant will be reviewed by the same individuals reviewing the original application.

5. RESEARCH PROPOSAL (limit 12 pages)

Use NIH form Continuation Format Page available on the internet at
www.grants.nih.gov/grants/funding/phs398/phs398.html#

Please use the following subheadings:

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 succinctly the specific objectives of the research proposed, e.g., to test a stated hypothesis, create a novel design, solve a specific problem, challenge an existing paradigm or clinical practice, address a critical barrier to progress in the field, or develop new technology.
- Specific Aims are limited to one page.

Significance

- Explain the impact of the condition on the health of individuals and populations
- Explain how the potential for the study to improve healthcare and outcomes
- Describe how the concepts, methods, technologies, treatments, services, or preventative interventions that drive this field will be changed if the proposed aims are achieved.

Innovation

- Explain how the patient-centeredness of the application and project.
- Explain any refinements, improvements, or new applications of theoretical concepts, approaches or methodologies, instrumentation, or interventions.

Approach

- Describe the overall strategy, methodology, and analyses to be used to accomplish the specific aims of the project.
- Describe the patient and stakeholder engagement
- Discuss potential problems, alternative strategies, and benchmarks for success anticipated to achieve the aims.
- 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.
- Preliminary Studies. Include information on Preliminary Studies. Discuss the PD/PI's preliminary studies, data, and or experience pertinent to this application. Preliminary data can be an essential part of a research grant application and help to establish the likelihood of success of the proposed project.

6. PERSONAL STATEMENT (limit 1 page)

Use the NIH form Continuation Format Page
www.grants.nih.gov/grants/funding/phs398/phs398.html#

The applicant should compose and submit a personal statement that addresses:

A. the applicant's interest in the topic and this project

B. the applicant's perception of his/her role in the project

C. any additional pertinent experience or interests the applicant wishes the committee to consider

7. ROLE OF PARTICIPANTS (limit 1 page)
Use the NIH form Continuation Format Page
www.grants.nih.gov/grants/funding/phs398/phs398.html#

List the Mentor and each associate investigator and consultant. Include a brief description of how and to what extent each will be involved in the proposed project.

8. BIOGRAPHICAL SKETCHES
Use the NIH Biographical Sketch Format Page available on the internet at
www.grants.nih.gov/grants/funding/phs398/phs398.html#

Information is requested for the applicant, Mentor and any associate investigators who will be involved with the projects. The new 4 page NIH format has been adopted. Description of extramurally funded projects ongoing or completed in the past 3 years should include title, funding source, specific aims, overall goals and role/responsibilities of individual on project.

10. RESOURCES AND ENVIRONMENT
Use the NIH Resources format Page available on the internet at
www.grants.nih.gov/grants/funding/phs398/phs398.html#

Describe the research facilities (laboratory space, clinical population, etc.) available for fellowship training. If computer access or statistical support is available, it should be described in this section.

11. BUDGET
Use the NIH Form Detailed Budget for Initial Budget Period available on the internet at
www.grants.nih.gov/grants/funding/phs398/phs398.html#

Indicate how the money will be spent. Justify all major expenditures.

12. OTHER SUPPORT
Use the NIH form Continuation Format Page available on the internet at
www.grants.nih.gov/grants/funding/phs398/phs398.html#

List all current and pending intramural and extramural research funding for the applicant, Mentor and co-investigators. For each item indicate the grant identification number, grant type, PI, funding source, annual direct costs, funding period, percent effort, grant title, and brief description of project. For all items indicate whether there is any scientific or budgetary overlap with the current proposal.

13. ETHICS
Use the NIH form Continuation Format Page (no page limit) available on the internet at
www.grants.nih.gov/grants/funding/phs398/phs398.html#

Human subjects. For all research involving human subjects, a part of the peer review process will include careful consideration of protections from research risks, as well as the appropriate inclusion of women, minorities, and children. The EMF Scientific Review Committee (SRC) will assess the adequacy of safeguards of the rights and welfare of research participants, and the appropriate inclusion of women, minorities, and children, based on the information in the application. This evaluation will be factored into the overall score. The information on the protection of human subjects that you are required to provide in this section is identical to information that you will be required to provide for IRB at your own institution and are required by most Federal agencies. This section must address the following items. These can be copied and pasted directly into

your application.

The applicant should include specific measures on how protected health information (as defined by the Human Health Services) will be handled in accordance with the Privacy Rule of the Health Insurance Portability Accountability Act (HIPAA)."

1. RISKS TO THE SUBJECTS

a. Human Subjects Involvement and Characteristics

Describe the proposed involvement of human subjects in the work outlined in the Research Design and Methods section. Describe the characteristics of the subject population, including their anticipated number, age range, and health status. Identify the criteria for inclusion or exclusion of any subpopulation. Explain the rationale for the involvement of special classes of subjects, such as fetuses, neonates, pregnant women, children, prisoners, institutionalized individuals, or others who may be considered vulnerable populations. Note that 'prisoners' includes all subjects involuntarily incarcerated (for example, in detention centers) as well as subjects who become incarcerated after the study begins. List any collaborating sites where human subjects research will be performed, and describe the role of those sites in performing the proposed research.

b. Sources of Materials

Describe the research material obtained from living human subjects in the form of specimens, records, or data.
Describe any data that will be recorded on the human subjects involved in the project.
Describe the linkages to subjects, and indicate who will have access to subject identities.
Provide information about how the specimens, records, or data are collected and whether material or data will be collected specifically for your proposed research project.

c. Potential Risks

Describe the potential risks to subjects (physical, psychological, social, legal, or other), and assess their likelihood and seriousness to the subjects.
Where appropriate, describe alternative treatments and procedures, including the risks and benefits of the alternative treatments and procedures to participants in the proposed research.

2. ADEQUACY OF PROTECTION AGAINST RISKS

a. Recruitment and Informed Consent

Describe plans for the recruitment of subjects (where appropriate) and the process for obtaining informed consent. If the proposed studies will include children, describe the process for meeting requirements for parental permission and child assent.
Include a description of the circumstances under which consent will be sought and obtained, who will seek it, the nature of the information to be provided to prospective subjects, and the method of documenting consent. Informed consent document(s) need not be submitted to the PHS agencies unless requested.

b. Protection Against Risk

Describe planned procedures for protecting against or minimizing potential risks, including risks to confidentiality, and assess their likely effectiveness. Where appropriate, discuss plans for ensuring necessary medical or professional intervention in the event of adverse effects to the subjects. Studies that involve clinical trials (biomedical and behavioral intervention studies) must include a description of the

plan for data and safety monitoring of the research and adverse event reporting to ensure the safety of subjects.

3. POTENTIAL BENEFITS OF THE PROPOSED RESEARCH TO THE SUBJECTS AND OTHERS

Discuss the potential benefits of the research to the subjects and others.
Discuss why the risks to subjects are reasonable in relation to the anticipated benefits to subjects and others.

4. IMPORTANCE OF THE KNOWLEDGE TO BE GAINED

Discuss the importance of the knowledge gained or to be gained as a result of the proposed research.
Discuss why the risks to subjects are reasonable in relation to the importance of the knowledge that reasonably may be expected to result.

5. DATA AND SAFETY MONITORING PLAN (if applicable)

If your research includes a clinical trial, create a heading entitled "Data and Safety Monitoring Plan." Provide a general description of a monitoring plan that you plan to establish as the overall framework for data and safety monitoring.

Vertebrate Animals. For all applications involving vertebrate animals, the applicant must address the following five items. These five points may be copied and pasted directly into the application.

1. Provide a detailed description of the proposed use of the animals in the work outlined in the Research Design and Methods section. Identify the species, strains, ages, sex, and numbers of animals to be used in the proposed work.
2. Justify the use of animals, the choice of species, and the numbers to be used. If animals are in short supply, costly, or to be used in large numbers, provide an additional rationale for their selection and numbers.
3. Provide information on the veterinary care of the animals involved including the name of the supervising veterinarian. Include information from the Association for Assessment and Accreditation of Laboratory Animal Care International: the name of the accredited parent organization (e.g., University of X) and the certificate number and date of last inspection.
4. Describe the procedures for ensuring that discomfort, distress, pain, and injury will be limited to that which is unavoidable in the conduct of scientifically sound research. Describe the use of analgesic, anesthetic, and tranquilizing drugs and/or comfortable restraining devices, where appropriate, to minimize discomfort, distress, pain, and injury.
5. Describe any method of euthanasia to be used and the reasons for its selection. State whether this method is consistent with the recommendations of the Panel on Euthanasia of the American Veterinary Medical Association. If not, present a justification for not following the recommendations

14. LITERATURE CITED

15. APPENDIX

Include letters of support from the department chairs, and associate investigators (required). No page numbering is necessary for Appendix. The appendix can include

- Application for coursework or degree program at an accredited graduate school
- Up to 5 publications, manuscripts (***accepted*** for publication), abstracts, patents, or other printed materials directly relevant to this project. *Do not include manuscripts* ***submitted*** *for publication.*

- Publications in press**:** Include only a publication list with a link to the publicly available on-line journal article or the NIH PubMed Central (PMC) submission identification number. Do not include the entire article.
- Manuscripts accepted for publication but not yet published: The entire article should be submitted and may be stapled.
- Manuscripts published but an online journal link is not available**:** The entire article should be submitted and may be stapled.
- Surveys, questionnaires, data collection instruments, clinical protocols, and informed consent documents. These may be stapled as sets.
- Original glossy photographs or color images of gels, micrographs, etc., provided that a photocopy (may be reduced in size) is also included within the 12-page limit of *Items a-d* of the research plan. *No photographs or color images may be included in the Appendix that are not also represented within the Research Plan.*

Do not use appendix to circumvent page limitations for research plans. Do not include experimental methods, protocols or figures that should be incorporated within the research project description.

Applicant/Preceptor (*Last, first, middle*): _____

EMERGENCY MEDICINE FOUNDATION

TABLE OF CONTENTS

Page Numbers

Emergency Medicine Foundation
Information Page

Full Name with Titles:_____

Name of Institution:_____

Grant Category:_____

Project Title:_____

Amount Requesting:_____

Mentor, if applicable:_____

Applicant/Preceptor (*Last, first, middle*): _____

Project Summary/Abstract Section

Enter the text here that is the abstract information for your application. This section must be no longer than 30 lines of text.

Applicant/Preceptor (*Last, first, middle*): _____

Specific Aims Section

Enter the text here that is the specific aims information for your application. One page is recommended.

CONTINUATION PAGE

STAY WITHIN MARGINS INDICATED

Applicant/Preceptor (*Last, first, middle*): _____

INTRODUCTION TO REVISED APPLICATION, if applicable. (Limit 2 pages)

EMF will consider revised proposals, and two additional pages are provided to introduce reviewers to the revised proposal. Key things to keep in mind when submitting a revised grant:

a. The introduction to the revision should provide a concise summary of reviewers' comments from the previous application and should, point-by-point, discuss how the revised application has addressed these concerns.
b. Revised applications are not reviewed outside of the normal review process. Such applications may be more competitive than first-time submissions, but not necessarily so.
c. Revised applications are reviewed as new science. Revised applications will not automatically be considered better applications within the review process.
d. In the event of a resubmission, the committee attempts to return applications to their original reviewers. However, regular turn-over of the committee membership prevents the SRS from guaranteeing that a grant will be reviewed by the same individuals who reviewed the original application.

BIOGRAPHICAL SKETCH

Provide the following information for the Senior/key personnel and other significant contributors.
Follow this format for each person. **DO NOT EXCEED FOUR PAGES.**

NAME	POSITION TITLE
eRA COMMONS USER NAME (credential, e.g., agency login)	

EDUCATION/TRAINING *(Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable.)*

INSTITUTION AND LOCATION	DEGREE *(if applicable)*	MM/YY	FIELD OF STUDY

Please refer to the application instructions in order to complete sections A, B, C, and D of the Biographical Sketch.

RESOURCES AND ENVIRONMENT

FACILITIES: Specify the facilities to be used for the conduct of the proposed research. Indicate the performance sites and describe capacities, pertinent capabilities, relative proximity, and extent of availability to the project. Under "Other," identify support services such as machine shop, electronics shop, and specify the extent to which they will be available to the project. Use continuation pages if necessary.

Laboratory:

Clinical:

Animal:

Computer:

Office:

Other:

MAJOR EQUIPMENT: List the most important equipment items already available for this project, noting the location and pertinent capabilities of each.

Principal Investigator/Program Director *(Last, first, middle)* _____

STATEMENT OF CONDITIONS GOVERNING THE
EMERGENCY MEDICINE FOUNDATION GRANT

It is understood that any Emergency Medicine Foundation Research Grant approved by the Emergency Medicine Foundation will be made with the following conditions:

1. Institutional overhead is not allowed.

2. The principal investigator's institution is associated or organized for humanitarian purposes and is not a profit making organization.

3. All reports of work achieved with this grant will acknowledge the support of the Emergency Medicine Foundation and his or her co-sponsor, if applicable.

4. Any discovery that arises from work supported in part by the Emergency Medicine Foundation will be submitted for publication. Two copies of each publication will be furnished to the Emergency Medicine Foundation.

5. Independent progress reports by the applicant will be submitted to the Emergency Medicine Foundation mid-project, and within thirty days of completion of the funding period. Additional reports may be required. The Emergency Medicine Foundation will maintain the copyright of all such reports.

6. Participation in Emergency Medicine Foundation recognition reception during the American College of Emergency Physicians Scientific Assembly is required. Grant money may not be used for travel to this event.

7. Participation in the Emergency Medicine Foundation Grantee Workshop is required. Grant funds may not be used for travel. The Emergency Medicine Foundation will reimburse travel expenses.

8. Participation in Research Forum to give a poster and lightning oral presentation is required. This event takes place at the end of your project. Research Forum is held each year during the American College of Emergency Physicians Scientific Assembly. Grant money may not be used for travel.

9. If all requirements are met, funding will begin on July 1st. The Emergency Medicine Foundation reserves the right to terminate payments under this grant at its sole discretion.

10. If the named principal investigator leaves the institution or terminates research in the designated field, all remaining funds revert to the Emergency Medicine Foundation. If unused funds exist at the completion of the project, all remaining funds revert to the Emergency Medicine Foundation.

11. Patent rights will conform to institutional standards. If none exist, the Emergency Medicine Foundation reserves the right to protect such interests.

12. No research proposal will be funded unless the principal investigator and the Fiscal Officer of the sponsoring institution affirm:

a. That the investigation(s) proposed in this application are endorsed by the Animal and/or Human Subjects Committee or other designated body of the preceptor's institution, and
b. That any research involving human subjects conforms with the principles of the Helsinki Code of the World Medical Association, and
c. Research involving animals or human subjects must be approved by the institutional review board (IRB), or its equivalent, and a copy of the approval or pending approval sent with this application. IRB approval must be documented prior to dispensation of Emergency Medicine Foundation funds.
d. That research involving vertebrate animals will conform with the "Guiding Principles in the Care and Use of Animals" as approved by the Council of the American Physiological Society.
e. Research involving vertebrate animals must have approval from the institutional Animal Care and Use Committee.

_____ /_____

Date Signature of Principal Investigator Type Name of Principal Investigator

_____ /_____

Date Signature of Mentor, if applicable Type Name of Mentor

_____/_____

Date Signature of Fiscal Officer Type Name of Fiscal Officer