



FAER RESEARCH GRANTS OVERVIEW & REQUIREMENTS

APPLICATION INSTRUCTIONS

updated 2/28/2023

UPCOMING APPLICATION CYCLES

Fall 2023

Application Deadline: August 15, 2023

Earliest possible funding date: January 1, 2024

Spring 2024

Application Deadline: February 15, 2024

Earliest possible funding date: July 1, 2024

IMPORTANT NOTE: Application Instruction Changes or Clarifications from Previous Application Cycle(s)

The following changes have been made to the FAER grant application process and are in effect for the Fall 2023 application cycle.

- Resubmission statement has been modified to have a 1 page limit.

Contents

Introduction.....	3	Vertebrate Animal Section.....	12
Current Grant Opportunities.....	3	Application Instructions.....	13
Upcoming Application Dates.....	3	Dates & Deadlines.....	13
Mentored Research Training Grants.....	4	Formatting Instructions.....	13
Research Fellowship Grants.....	6	Materials Checklist.....	14
Research in Education Grants.....	8	Evaluation & Award Selection.....	15
Preparing a Grant Application.....	9	Reporting & Post-Award Requirements.....	15
Abstract.....	9		
Resubmission Statement.....	9		
Research Plan, Rigor & Transparency.....	9		
Mentoring Plan.....	9		
Career Development Plan.....	10		
Biographical Sketch.....	11		
Budget.....	11		
Letters of Commitment and Recommendation.....	12		
Human or Animal Use Review.....	12		
Human Studies Section.....	12		

Anesthesiology Research Grant Program

The Foundation for Anesthesia Education and Research (FAER) provides research grant funding for anesthesiologists and anesthesiology trainees to gain additional experience in basic science, clinical or translational, health services, and education research. Current grant funding opportunities include:

- Mentored Research Training Grants (MRTG)
- Research Fellowship Grant (RFG)
- Research in Education Grant (REG)
- Transition to Independence Grant (TIG) *Note: TIG grants are accepted on a rolling basis and follow a separate application process. Eligibility requirements and application information can be found at [TIG](#).*
- FAER GEMSSTAR Grant (GEMSSTAR) *Note: FAER GEMSSTAR grants are accepted on a rolling basis and follow a separate application process. Eligibility requirements and application information can be found at [GEMSSTAR](#).*

For early career anesthesiologists interested in pursuing careers as physician-investigators, an RFG or MRTG can be an important starting point. These grants aim to help anesthesiologists develop the skills and preliminary data they need to become independent investigators. The REG aims to advance the careers and knowledge of anesthesiologists interested in researching the concepts, methods and techniques of education in anesthesiology. The goal is to improve the quality and productivity of education and research in anesthesiology.

Current FAER Grant Opportunities

TYPE	MENTORED RESEARCH TRAINING GRANT	RESEARCH FELLOWSHIP GRANT	RESEARCH IN EDUCATION GRANT	TRANSITION TO INDEPENDENCE GRANT*	FAER GEMSSTAR GRANT**
RESEARCH AREAS	Basic science, clinical, translational, health services, and education research	Basic science, clinical, translational, health services, or education research	Education Research	Basic science, clinical, translational, health services research	All research topics related to aging and funded by the National Institute of Aging (NIA)
PURPOSE	To help anesthesiologists develop the skills and preliminary data to become independent investigators	To provide significant training in research techniques and scientific methods	To improve the quality and impact of anesthesiology education research	To support the transition of investigators from mentored training-focused support to independent (non-mentored) research support	To supplement the 2-year NIA scientific awards with support for simultaneous career development activities
FOR WHOM	Faculty member who completed core anesthesiology training within the past 10 years	Anesthesiology trainee after CA-1 year	Faculty member of any rank (junior or senior faculty)	Faculty member who completed a FAER MRTG grant within the past two years	New Investigators with R03 GEMSSTAR awards from the National Institute of Aging
FUNDING	\$250,000	\$75,000	\$100,000	\$75,000	\$50,000
DURATION	Two years	One year	Two years	One year	Two years
% RESEARCH TIME	75%	80%	40%	75%	75%

*TIG eligibility requirements and application information can be found at

<https://www.asahq.org/faer/grants/what-we-fund/transition-to-independence-grant>

**FAER GEMSSTAR eligibility requirements and application information can be found at

<https://www.asahq.org/faer/grants/what-we-fund/faer-gemsstar-grant>

Upcoming Application Dates

FALL 2023 CYCLE	SPRING 2024 CYCLE
Online application opens June 1, 2023	Online application opens December 1, 2023
Applications due August 15, 2023	Applications due February 15, 2024
Review Meeting date September 23, 2023	Review Meeting TBD
Award notifications made in October 2023	Award notifications made in May 2024
Project start date January 1, 2024	Project start date July 1, 2024

Mentored Research Training Grants

MRTG OVERVIEW

Mentored Research Training Grants help anesthesiologists develop the skills, preliminary data for subsequent grant applications and research publications needed to become independent investigators.

The MRTG is a two-year, \$250,000 primary investigator award (no co-investigators) that provides funding to faculty members who have completed their core anesthesiology training within the past 10 years.* Year one is funded at \$125,000, and year two is funded at \$125,000. The MRTG requires 75 percent protected nonclinical time for research.

***FAER will consider exceptions for interruptions of experience due to extenuating circumstances on a case-by-case basis.** (e.g., family leave, major illness.) To request an exception, please reach out to the FAER office at FAER@FAER.org. Requests for exceptions must be submitted to FAER for consideration no later than two months prior to the deadline.

AREAS OF RESEARCH

All areas of research that contribute to advances in patient care and can lead to sustained extramural research will be considered, including basic science, clinical, translational, health services, and education research.

ELIGIBILITY

At the time of the award, applicants must meet all of the following eligibility requirements:

- Be a U.S. citizen, permanent U.S. resident, or holder of H-1 visa that will be valid through the period of FAER funding. A J-1 visa holder would not qualify.
- Be an anesthesiologist who is within 10 years of graduating from residency and who has a license to practice medicine or osteopathy in at least one state or jurisdiction of the U.S.
- Be an active member of the American Society of Anesthesiologists (ASA) throughout the duration of the award.

Recipients of a FAER MRTG grant may not simultaneously be receiving support from an NIH T32 grant. MRTG applicants may at the time of the MRTG application be on a T32, but if awarded an MRTG, they are allowed up to a 12-month delay in the start date of the MRTG due to the T32. Start date delays of longer than 12 months will not be accepted.

The MRTG is not intended for investigators who have received significant extramural funding, such as NIH R-awards, K23, K08, K12, KL2 or AHA Young Investigator Awards. Applicants from VA and Government institutions are allowed, if supported by their institution. Any applicant from these institutions should provide detail on any Merit awards received.

FAER does not allow for concurrent funding of an MRTG with these or similar awards.

The MRTG is not intended for established investigators who are changing areas of interest.

RESEARCH TIME

- During the two years of FAER-funded research, the recipient must devote a minimum commitment equivalent of nine calendar person months — 75 percent of the PI's full-time appointment — to research and career development activities directly related to the FAER-funded project. (These activities may not necessarily be included in the specific aims of the FAER research plan.)
- The percent effort on the FAER-funded research and the percent of time on career development activities should be described in the budget justification.
- The remaining 25 percent effort can be divided among clinical and teaching activities only if these activities are consistent with the recipient's development into an independent anesthesiologist clinician-investigator or health services researcher.

FUNDING

- The total funding amount for a Mentored Research Training Grant is \$250,000.
- Year one will be paid at \$125,000. Year two will be paid at \$125,000.
- \$2,000 per year of the application budget must be designated for participation in the FAER MRTG Annual Meeting. Information on the FAER MRTG Annual Meeting and related expenses will be shared with MRTG award recipients prior to each meeting.
- Yearly grant payments are made to the institution, not directly to the award recipient.
- Award renewal for the second year is contingent on the FAER's favorable review of the interim report.

FAER MRTG ANNUAL MEETING

Grant recipients of an MRTG award will be invited to participate in the FAER MRTG annual meeting, which may involve poster presentations and sessions on career development. Attendance at this meeting is highly recommended as it aims to create a community of early-stage investigators and provides career development support. \$2,000 per year of the application budget must be designated for this purpose. Funds in this category must be spent on meeting related expenses, guidelines on funds and any restrictions will be provided within the invitation from FAER staff. Meeting specifics (dates, location, sessions etc.) will be shared with grantees as they become available. Please note, for MRTG awards, funds may not be reallocated from the MRTG Annual Meeting category. Any and all remaining funds from the MRTG Annual Meeting category must be returned to FAER at the completion of the project.

PRESENTATION AT ASA ANNUAL MEETING

Grant recipients of an MRTG award may be invited present their work to an ASA annual meeting to be held after the conclusion of their award, if invited. Invited Grant recipients will be contacted by FAER leadership with additional details. The Department Chair must commit to provide recipients with the time to present their research at this meeting, if their research is invited for presentation. MRTG awardees who are invited by FAER after completion of their award to present work at a FAER sponsored session at the ASA annual meeting will be reimbursed for travel costs up to \$2,000 to attend and present at the meeting.

Research Fellowship Grants

RFG OVERVIEW

Research Fellowship Grants are intended to provide anesthesiology residents and fellows with the opportunity to obtain significant training in research techniques and scientific methods.

The RFG is a one-year (12-month), \$75,000 primary investigator (no co-investigators) award for anesthesiology trainees after the CA-1 year. The RFG is awarded in conjunction with clinical training in an anesthesiology residency or fellowship program. The RFG requires 80 percent research time.

ELIGIBILITY

At the time of the award, applicants must meet the following eligibility requirements.

- Be a U.S. citizen, permanent U.S. resident, or holder of H-1 visa with minimum of three years remaining. A J-1 visa holder would not qualify.
- Be a graduate physician who is enrolled in an ACGME-accredited residency program in anesthesiology or who is accepted into a clinical fellowship program sponsored by an ACGME-accredited residency program in anesthesiology, **and** no more than 10 years from completion of any foreign anesthesiology residency training. Note that the particular clinical fellowship program does not need to be ACGME-accredited.
- Prior to beginning FAER-funded research, the recipient must have completed at least six months of research as a part of their core residency program (CA1 – CA3). This work should be consistent with the American Board of Anesthesiology templates for research. *The six months of research must be completed before the start of a FAER-funded project, but it does not have to be completed before submitting a FAER grant application.*
- Be an active member of the American Society of Anesthesiologists (ASA) throughout the duration of the award.
- The RFG is not intended for residents and fellows who have received previous extramural funding (more than \$100,000).

Recipients of a FAER RFG grant may not simultaneously be receiving support from an NIH T32 grant. RFG applicants may at the time of the RFG application be on a T32, but if awarded an RFG, they are allowed up to a 12-month delay in the start date of the RFG due to the T32. Start date delays of longer than 12 months will not be accepted.

	CA-1	CA-2	CA-3	CA-4	CA-5
Option 1			Combined RFG / Residency		
Option 2				RFG	Clinical Fellowship
Option 3				Clinical Fellowship	RFG
Option 4				Combined RFG / Clinical Fellowship	
	<div style="display: inline-block; width: 20px; height: 10px; background-color: #fff9c4; border: 1px solid blue; margin-right: 5px;"></div> Complete at least 6 months of dedicated Research during this period prior to RFG				

RESEARCH TIMELINE OPTIONS

- **OPTION 1:** Complete the 12 months of FAER-funded research during anesthesiology residency. To meet residency requirements set by the ACGME and individual anesthesiology departments, the 12 months of FAER-funded research may be spread out over an 18- or 24-month period.
- **OPTION 2:** Complete the 12 months of FAER-funded research immediately before a one-year clinical fellowship sponsored by an ACGME-accredited residency program.
- **OPTION 3:** Complete the 12 months of FAER-funded research immediately after a one-year clinical fellowship sponsored by an ACGME-accredited residency program.
- **OPTION 4:** Intersperse the 12 months of FAER-funded research within a one-year clinical fellowship sponsored by an ACGME-accredited residency program. The combined clinical fellowship and FAER-funded research fellowship is expected to be the full 12 months longer than the clinical fellowship would be alone, even if research time is allowed during the clinical fellowship.

PERCENT RESEARCH TIME

- During the 12 months of FAER-funded research, the recipient must devote a minimum commitment equivalent of 9.6 calendar person months — 80 percent of the PI's full-time appointment — to research and career development activities directly related to the FAER-funded project. (These activities may not necessarily be included in the specific aims of the FAER research plan.)
- The percent effort on the FAER-funded research and the percent of time on career development activities should be described in the budget justification.
- The remaining 20 percent may be spent in clinical anesthesia practice. This clinical activity must not exceed a single 10-hour daytime commitment per week. No night, weekend or holiday on-call activity is allowed. No moonlighting is allowed.

FUNDING

- The total funding amount for a Research Fellowship Grant is \$75,000.
- Grant payments are made to the institution, not to the award recipient.
- If the FAER-funded research time is spread out over a period greater than 12 months, FAER may adjust the payment disbursement schedule accordingly.

Research in Education Grants

REG OVERVIEW

The Research in Education Grant advances the careers and knowledge of anesthesiologists interested in improving the concepts, methods, and techniques of education in anesthesiology. The REG is focused on developing innovative approaches for anesthesia education.

The REG is a two-year \$100,000 primary investigator (no co-investigators) award that provides funding to anesthesiologists who have completed their clinical anesthesia training and have academic faculty appointments. It is available to faculty members of all ranks. Years one and two are funded up to \$50,000 each. The REG requires 40 percent research time.

ELIGIBILITY

At the time of the award, applicants must meet the following eligibility requirements.

- Be a U.S. citizen, permanent U.S. resident, or holder of H-1 or O-1 visa with minimum of three years remaining.
- Be a graduate physician with an unexpired, permanent, unconditional and unrestricted license to practice medicine or osteopathy in at least one state or jurisdiction of the United States.
- Be a graduate of an ACGME-accredited anesthesiology residency program.
- Be certified by the American Board of Anesthesiology or in the examination system. The FAER Grants Management Committee will consider applicants with acceptance into the ABA Alternative Entry Path (AEP). The AEP acceptance letter must be provided to FAER at the time of grant application submission.
- Be an active member of the American Society of Anesthesiologists (ASA) throughout the duration of the award.

Recipients of a FAER REG grant may not simultaneously be receiving support from an NIH T32 grant. REG applicants may at the time of the REG application be on a T32, but if awarded an REG, they are allowed up to a 12-month delay in the start date of the REG due to the T32. Start date delays of longer than 12 months will not be accepted. Applicants from VA and Government institutions are allowed, if supported by their institution. Any applicant from these institutions should provide detail on any Merit awards received.

Former recipients of an REG may apply for a second REG award. Such applications will be reviewed competitively among all REG applications.

RESEARCH TIME

- During the two years of FAER-funded research, the recipient must devote a minimum commitment equivalent of 4.8 calendar person months — 40 percent of the PI's full-time appointment — to research and career development activities directly related to the FAER-funded project. (These activities may not necessarily be included in the specific aims of the FAER research plan.)
- The percent effort on the FAER-funded research and the percent of time on career development activities should be described in the budget justification.
- The remaining 60 percent effort can be divided among clinical and teaching activities only if these activities are consistent with the recipient's development into an independent anesthesiologist education researcher.

FUNDING

- The total funding amount for a Research in Education Grant is \$100,000.
- Year one will be paid at \$50,000. Year two will be paid at \$50,000.
- Yearly grant payments are made to the institution, not to the award recipient.
- Award renewal for the second year is contingent on the FAER's favorable review of the interim report.

Preparing a Grant Application

The information in this section applies to FAER grant types (MRTG, RFG, REG). Please also see the formatting instructions and guidelines, starting on page 14.

ABSTRACT

The abstract should state the broad long-term objectives and specific aims of the project, its relationship to anesthesiology, as well as the research design and methods. The abstract should be a succinct and accurate description of the proposed work that can be understood when read apart from the application.

RESUBMISSION STATEMENT

If you have previously submitted any research proposal to FAER, you must include a resubmission statement within your application. If you previously received a FAER grant, indicate what type of grant and year.

If you are submitting a revised application, the resubmission statement (1 page maximum) should provide a summary of the differences between this and the previous application. It should address the critiques of the original application point by point. Applicants may submit up to two resubmissions of a revised research grant proposal.

If you are reapplying to FAER with a completely different research protocol, the resubmission statement should indicate how and why this project differs from the previous application.

RESEARCH PLAN, RIGOR & TRANSPARENCY

The research plan is the core of the application. Particularly, because of page limitations, the research plan should be developed in conjunction with the applicant's mentor(s). It must include the following sections.

- **Specific Aims:** State the long-term objectives of the research and describe what the research is intended to accomplish. State the hypotheses to be tested.
- **Background and Significance:** Briefly sketch the background of the research proposal, critically evaluate existing knowledge, and identify the gaps that this project is intended to fill.
- **Preliminary Studies:** Use this section to provide an account of the applicant's preliminary studies pertinent to the research proposal. Also include any other information that will help to establish the experience and competence of the investigator to pursue the proposed project. Although it is understood that many applicants will not have personally developed preliminary data, it is important to discuss the relevant preliminary studies done in the mentor's or other laboratories that lend credence to the proposed research.
- **Experimental Design and Methods:** Describe the experimental design and the procedures to be used to accomplish the specific aims of the project. Include the means by which data will be collected, analyzed and interpreted. Describe any new methodology and its advantage over older methodologies. Discuss the potential difficulties and limitations of the proposed procedures and provide alternative approaches to achieve the aims.
- **References:** Cite only the most important, relevant literature.
- **Rigor & Transparency:** In response to growing concern regarding failure to replicate major findings in preclinical research, NIH has added a new section on "Rigor and Transparency of Reporting" to their grant applications. FAER aims to support new investigators in part by preparing them to construct applications similar to those they will use at the NIH. The applicant should include a paragraph in the **research plan in which they address the four factors required by the NIH**. For more information on the NIH guidelines, visit grants.nih.gov. *(Click the link for more information)*. Please note, the mentor should also include an outline on how the mentor will educate the applicant on Rigor and Transparency in the **mentor plan**.

MENTORING PLAN, RIGOR & TRANSPARENCY

The mentorship and career development sections are major elements of FAER research grant applications and are weighted heavily in the scoring.

Mentor Selection & Requirements

Identifying a research mentor or mentorship team is an important step in the application process and is a key element in the review committee's assessment of an application.

The applicant is responsible for selecting an experienced investigator to serve as a primary research mentor. The primary mentor should be committed to supervising the proposed research and career development experience of the applicant. It is also important that the mentor be an active investigator, preferably with extramural funding, in the area of the proposed research.

During the duration of the grant, primary mentors who have clinical responsibilities must have 40 percent protected non-clinical time for research activities.

It is strongly recommended that the primary research mentor have a faculty appointment at the associate professor level or higher. The primary mentor may be in a different academic department or different institution. The research mentor is not required to have a primary appointment in anesthesiology. However, if the primary research mentor is not an anesthesiologist in the applicant's department, there should be a secondary mentor from the applicant's department who will provide a detailed and structured, specialty-specific career guidance plan.

Mentoring Plan

The mentoring plan should be written by the primary mentor — in the mentor's voice — with input from additional mentors, if present. The mentoring plan should clearly describe the role(s) of the mentor(s) and collaborators in the proposed research. If there are multiple research mentors, they should be identified, and the roles of all collaborators should also be clearly described in the mentoring plan.

The mentoring plan should outline the course of action for developing the applicant's research career. This should include details on how the FAER award and the research mentor's teaching will prepare the applicant for a research career and will guide the applicant's development as an independent investigator. These elements of the mentoring plan should be coordinated with the applicant's research strategy and career development plan. The mentoring plan should include an outline on how the mentor will educate the applicant in terms of Rigor and Transparency. This provides another opportunity to further develop and demonstrate the quality of the mentoring relationship, a key determinant of FAER grant funding decisions.

The mentoring plan should also provide a generalized understanding of the primary (and additional) mentor's experience in training and mentoring, if not fully described in the mentor's biosketch personal statement. Full training tables are not needed or desired, but the mentoring plan should provide a general description of any roles on training grants, as well as previous protégés and their career trajectories, current positions, and success in becoming independent investigators.

Finally, the mentoring plan should indicate how much of the research mentor's professional time is available for research and how much of that time is specifically available for mentoring the proposed project.

CAREER DEVELOPMENT PLAN

The career development plan should be written by the applicant — in the applicant's voice — with input from the primary research mentor or mentorship team.

Within the career development plan, the applicant should describe their motivation and commitment to a research career and should outline short-term and long-term career objectives. The career development plan should show clearly how the proposed research will prepare the applicant for an independent career as a physician-investigator. The plan should describe those specific elements planned for the training period, including formal or didactic training through courses, classwork, and participation in institutional research training (e.g. CTSA research training programs).

To prepare to write the career development plan, the applicant should conduct a realistic self-assessment to identify research abilities and skills, as well as strengths and areas that need development. Along with the mentor(s), the applicant should discuss current skills and strengths and compare them with those needed for the research career choice.

The career development plan should outline the outcomes of the self-assessment and should define the approaches that the applicant will use to obtain the specific skills and strengths (e.g., courses, technical skills, teaching, supervision) together with anticipated time frames.

BIOGRAPHICAL SKETCH

Applicant and Mentor: Use the latest FAER version of the current NIH biosketch template. Submit one biosketch for each mentor.

For the applicant and the mentor(s), the personal statement is an important part of the biosketch. Information provided within the biosketch personal statement is considered during grant review. The personal statement should be tailored to the specific grant application and used to convey information about your relevant qualifications and experience related to your role in the grant. The personal statement is most often written in the first person. For applicants, it should demonstrate your understanding of the project and how it will benefit your career, and for mentors, it should demonstrate your understanding of the project and how it will benefit your mentee’s career.

Citing Preprint Publications

Interim research products can be cited anywhere other research products are cited. To cite a preprint publication, the applicant must include the Digital Object Identifier and the Object type in the citation.

BUDGET

As a part of the FAER grant application, the applicant must provide a detailed budget and justification of expenses using FAER’s budget template.

The budget must outline funding for the entire research proposal and should specify the intended use of the FAER award. The budget should identify any additional sources of funding required to complete the project, and it should identify all extramural funds requested or currently available to the applicant — for this project or others. If there is overlap between funds requested from FAER and such extramural funds, please detail the overlap on the budget form.

Additional Budget Guidelines

CATEGORY	REQUIREMENTS
Salary	<ul style="list-style-type: none"> The award may be used for applicant’s salary (no cap). The total salary for the applicant and all salary sources must be specified in the budget. Salary support for the mentor(s) is not allowed. Salary support for post-doctoral research staff is not allowed. Research technician salary support is allowed with appropriate justification.
Equipment	<ul style="list-style-type: none"> FAER support is to be used primarily for ongoing research expenses. Major equipment purchases are considered to be the responsibility of the applicant’s Department. The award may be used for minor equipment expenses related to the research project, with sufficient justification, at the discretion of FAER. (Major equipment is defined as an article of tangible nonexpendable property that has a useful life of more than 1 year and an acquisition cost that equals or exceeds \$20,000.) Expenses for computers not directly justified by the research are not allowed.
Supplies	<ul style="list-style-type: none"> The award may be used for supply expenses related to the research project.
Travel	<ul style="list-style-type: none"> \$2,000 of the application budget must be designated for participation in the FAER MRTG Annual Meeting. <u>No other travel is allowed in the budget.</u> (For MRTG Budgets Only)
Tuition	<ul style="list-style-type: none"> FAER funds are intended to be directed primarily to research costs. However, requests for tuition support will be considered only in exceptional circumstances. In the event that tuition or course fees are proposed in a grant budget, the applicant should defend for courses within the institution the need for external rather than

	departmental support and describe for courses external to the institution that their home institution does not provide qualitatively similar courses.
Other Expenses	<ul style="list-style-type: none"> • Incremental patient costs directly related to the study are allowed for clinical research. • <u>Indirect costs are not allowed.</u> • Secretarial or administrative costs are not allowed. • Alterations and renovations are not allowed.

LETTERS OF COMMITMENT AND RECOMMENDATION

A PDF of each letter of recommendation should be provided to the applicant for uploading with the application.

Department Chair

The letter of recommendation from the department chair should:

- Evaluate the applicant’s commitment to academic anesthesiology and his or her potential for success in an academic career.
- Demonstrate commitment to support the applicant’s development during the duration of the grant.

Research Mentor(s)

The primary research mentor must provide a letter of commitment, not just a letter of recommendation that describes the mentor’s involvement with the applicant and the preparation of the application to date, and dedication to continuous, direct supervision of the applicant in developing research expertise and achieving the goals of the research proposal. The letter from the primary research mentor should identify and briefly describe the roles of all mentors and collaborators.

If there are secondary and tertiary mentors, these individuals must also provide a letter of involvement and commitment which describes their role and demonstrates their dedication.

Do not include letters from additional mentors or collaborators, if any exist.

Senior Faculty Members

In addition to the department chair letter and the mentor(s) letter(s), the applicant must provide two additional letters of recommendation and evaluation from senior faculty members, other than the research mentor(s), who work within or outside of the applicant’s department. No more than two letters of recommendation and evaluation will be accepted. Others will be rejected.

HUMAN OR ANIMAL USE REVIEW

Provide a letter of approval from the appropriate institutional human or animal use review committee.

If this study does not require this approval, or if the application is submitted before approval is obtained, provide a letter of explanation. Notification of institutional approval must be received in the FAER office prior to any award payment being made.

HUMAN STUDIES SECTION

FAER aims to support new investigators in part by preparing them to construct applications similar to those they will use at the NIH. Applicants with studies involving human studies must complete the [Human Subjects and Clinical Trials Information – Form](#). This form was modeled off of the NIH’s “PHS Human Subjects and Clinical Trials Information” form. For more information and instructions for completing this form, please refer to the NIH’s guide here:

<https://grants.nih.gov/grants/how-to-apply-application-guide/forms-e/general/g.500-phs-human-subjects-and-clinical-trials-information.htm>

VERTEBRATE ANIMALS SECTION

Additionally, applicants with studies that involve the use of live vertebrate animals must complete the [Vertebrate Animals Section – Form](#). Please refer to the NIH “[Preparing the Vertebrate Animals Section](#)” document and “[Worksheet for Applications Involving Animals](#)” document for additional information.

Application Instructions for MRTG, RFG and REGs

DATES & DEADLINES

FALL 2023 CYCLE	SPRING 2024 CYCLE
Online application opens June 1, 2023	Online application opens December 1, 2023
Applications due August 15, 2023	Applications due February 15, 2024
Review Meeting date September 23, 2023	Review Meeting TBD
Award notifications made in October 2023	Award notifications made in May 2024
Project start date January 1, 2024	Project start date July 1, 2024

APPLICATION INFORMATION

Grant information can be found at <https://www.asahq.org/faer/grants>

FORMATTING INSTRUCTIONS

The research plan, mentoring plan and career development plan, as well as any supporting documents, should meet the following formatting specifications:

- Single-spaced (6 lines per inch)
- Arial or Helvetica font, size 11 pt.
 - 9 pt. font is acceptable for figures, graphs, diagrams, charts, tables, figure legends and footnotes.
- Margins of 0.5” right and left, and 1.0” top and bottom.
- Type density, including characters and spaces, must be no more than 15 characters per inch.

FAER RESEARCH GRANT APPLICATION MATERIALS CHECKLIST

	INSTRUCTIONS	FORMAT OF SUBMISSION	Character Count, Page Limit, File Size Limit
Applicant Eligibility	Identify grant type and respond to all eligibility questions. See pages 4-8.	Online text fields and File Uploads	Various text limits and 2 MB
Abstract	See page 9 for instructions and tips on what should be included in the abstract.	Online text field	2,000 characters maximum
Resubmission statement	If you have previously submitted any project to FAER, a resubmission statement is required. See page 9 for instructions and tips on what should be included in the resubmission statement.	File Upload	1 page maximum
Contact information	Provide contact information for: <ul style="list-style-type: none"> • Department chair • Primary mentor • Secondary and Third mentors (if applicable) • Financial officer 	Online text fields	N/A
Research plan	See page 9 for instructions on what should be included in the research plan.	File upload	6 pages for research strategy & 1 page for references, single-spaced, Arial or Helvetica, 11 pt or larger 6 MBs
Appendix	You may provide an appendix to your research plan. The appendix must not be used to circumvent the page limitations of the research plan or used for submitting preliminary data or resubmission statements. Materials allowed in an appendix include relevant manuscripts and/or abstract that are accepted for publication but not yet published (or published but an online journal link is not available). Surveys, questionnaires, data collection instruments, clinical protocols, and informed consent documents may be submitted in the Appendix as necessary.	File upload	1 MB
Mentoring plan	Written by the mentor. See page 10 for instructions and tips on what should be included in the mentoring plan.	File upload	2 pages, single-spaced, Arial or Helvetica, 11 pt 1 MB
Career development plan	Written by the applicant. See page 10 for instructions and tips on what should be included in the career development plan.	File upload	2 pages, single-spaced, Arial or Helvetica, 11 pt 1 MB
Biographical sketch	Applicants and mentors should use the FAER version of the current NIH biosketch template. Forms are available within the grant application on ProposalCentral	File uploads	2 MBs per file
Budget	Use the budget form provided within the online grant application, following the budget requirements.	Online text fields	N/A
Letters of commitment and recommendation	<ul style="list-style-type: none"> • Letter from the department chair • Letter(s) of commitment from the mentor(s) • Letters of recommendation and evaluation for the applicant from two senior faculty members 	File uploads	No page limit 1 MB per file
Acceptance of conditions	Applicant, research mentors and department chair must sign the acceptance form provided on the online grant application as a template.	File upload	1 page 1 MB
Human use or animal review	Provide a letter of approval from the appropriate institutional human or animal use review committee. OR Provide a letter of explanation of the status of IRB /IACUC approval.	File upload	No page limit 1 MB

Human Studies Section	Complete the "Human Subjects and Clinical Trials Information – Form". See page 12.	File upload	No page limit 1 MB
Vertebrate Animals Section	Complete the "Vertebrate Animals Section – Form". See page 12.	File upload	No page limit 1 MB

EVALUATION & AWARD SELECTION

Members of the American Society of Anesthesiologists (ASA) Committee on Research will evaluate FAER grant applications for scientific merit. Evaluations are based on National Institutes of Health criteria and methods. Written critiques are shared with all applicants. Any request for exclusions of reviewers will be handled on a case-by-case basis, please contact FAER Staff for more information.

The FAER Board of Directors awards grants guided by the application's final score, provided by the ASA Committee on Research, and recommendations from the FAER Grants Management Committee to select grants that are most aligned with FAER's mission to promote the next generation of physician-investigator. The number of grants awarded each year is dependent upon available funding.

Post Submission Publications

FAER will accept submissions of new publications by the applicant that are relevant to the grant application, accompanied by the citation, up to 30 days prior to the ASA Committee on Research review meeting.

The Fall 2023 ASA Committee on Research review meeting will be held on **September 23, 2023**.

REPORTING AND POST-AWARD REQUIREMENTS

Interim Report

In order for grant funding to continue to the second year, all MRTG and REG recipients must submit an interim report to FAER. The report is due 45 days prior to the completion of year one of the grant (e.g. May 15 for a June 30 completion date, and November 15 for a December 31 completion date).

Instructions for Interim Reports

The report should be no longer than four pages and should:

- Describe accomplishment(s) to date, the current status of the project, and any revisions of the specific aims and goals of the project.
- Include a report from the research mentor describing the investigator's progress in the career development program.
- Report any changes in the investigator's extramural funding.
- Reaffirm commitments by the investigator, mentor, and department chair.
- Complete the budget form reporting use of funds in Year 1 and budget for Year 2, including justification for any changes from the approved budget.
- Confirm continued IRB approval/renewal through the project end date (if applicable).
- Include an up-to-date CV.

Additional Requirement for MRTG Interim Report

In addition to the four-page interim report, MRTG recipients must submit a one-page mentor report — written by the primary mentor — that summarizes the recipient's accomplishments and progress related to the career development and mentorship plans.

Final Report

All MRTG, REG and RFG recipients must submit a final report to FAER, due 30 days after the completion of the grant.

Elements of the final report include:

- A report, written by the recipient with the mentor's guidance that describes accomplishments to date and the final status of the project.
 - The report should outline outcomes of the specific aims and goals of the research project.

- The report should include a list of publication(s) resulting from the FAER-funded research project, as well as a list of subsequent research grant applications that are either in the review process or have been funded.
- The report should also summarize the progress made by the recipient in terms of career development and research accomplishments.
- A detailed final financial report from the institution's Office of Sponsored Programs that summarizes all expenditures and notes any unused funds that should be returned to FAER.
- Include an up-to-date CV.