

Summary of changes to this Request for Applications (RFA)

Changes in our grant making processes are being implemented to manage proposal submission and review. These include prioritization of specific research questions/topics, revision of eligibility criteria for new and resubmitted applications, additions of content changes for new applications, and revisions to our grant review and funding processes. These changes are being implemented to relieve unnecessary burden on CF Foundation grant applicants and our review panels.

Please read this RFA as critical changes in application format and eligibility requirements have changed.

Updates to the May 2026 submission RFA include:

- Prioritized research topics (Section VI)

Updates to the December 2025 submission RFA, in effect currently, include:

- Prioritized research topics (Section VI)
- Review and award processes (Section VII)
- Full Application guidelines (Addition to Section X: Project Alignment to Research Priorities and Expected Outcomes)

Failure to adhere to the revised application format may result in administrative withdrawal or abbreviated review without consideration for funding.

Program Name: 2026 Spring Research Grant

****Research Grant Applications are now restricted to two (2) years of funding****

Brief Program Overview/Description: Research Grants are intended to support efforts that will advance our understanding of disease pathogenesis and help identify new treatment strategies. Proposals must generally be hypothesis-driven and contain sufficient preliminary data to justify support from the CF Foundation. Proposals that aim to develop tools or reagents that will facilitate research may be considered through this mechanism. Information derived from such studies will hopefully lead to submission to other funding agencies, such as the National Institutes of Health (NIH).

Applicants seeking to submit proposals focused on topics such as restoration of CFTR protein function or approaches to fix/replace the defective CFTR gene should apply through the [Path to a Cure Research Grant Program](#).

Funding Amount: Funding of up to **\$150,000** per year, plus an additional twelve percent (12%) of indirect costs may be requested. Awards may be approved for up to a two (2) year period.

Eligibility:

- United States residents and applicants from outside the United States are welcome to apply.
- Applicants must be independent investigators (an individual that has completed fellowship training and whose institution allows them to submit applications for research funding as a Principal Investigator).
 - Applicants whose appointment is dependent on a senior investigator (**non-independent faculty positions**) must include a biosketch and letter of support from the laboratory PI clearly indicating the affiliation **and support for the application**. **Failure to provide these materials may result in the application being withdrawn.**
 - Candidates who are clinical fellows should apply to the CF Foundation Clinical Fellowship program for the appropriate year.
 - Candidates who are postdoctoral fellows should apply to the CF Foundation Postdoctoral Research Fellowship program.
- Each laboratory (not PI) may submit only one application per cycle (resub vs original). This does not apply to training awards. Applicants may only submit for one research grant and one pilot and feasibility award in a 12-month period. Each application must describe a research project that is distinct.
- Additional eligibility requirements can be found in Section IV below.

Key Dates:

	Spring 2026 Cycle
Published	March 13, 2026
Full Application Deadline	May 12, 2026
Committee Review Date	August 2026
Notification to Applicants	September 2026
Earliest Project Start Date	November 1, 2026

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I. About the Cystic Fibrosis Foundation

The mission of the Cystic Fibrosis Foundation is to cure cystic fibrosis and to provide all people with CF the opportunity to lead long, fulfilling lives by funding research and drug development, partnering with the CF community, and advancing high-quality, specialized care.

To achieve this mission, various types of grants and awards are offered to support meritorious research in CF.

Foundation Resources

The Cystic Fibrosis Foundation offers several tools and resources to help researchers fast-track progress toward new scientific knowledge of and therapies for cystic fibrosis, and to align their research methods and goals with the community's priorities. Some of the resources available for use are listed below. For more information on Tools and Resources for the CF Foundation research community, please visit: www.cff.org/for-researchers.

[CF Foundation Biorepository](#) – Cystic fibrosis biological samples are available to qualified researchers to help develop promising new studies that will support CF research and aid in drug development and drug discovery.

II. Program and Award Overview

Research Grants are intended to support efforts that will advance our understanding of disease pathogenesis and help identify new treatment strategies. Proposals must generally be hypothesis-driven and contain sufficient preliminary data to justify support from the CF Foundation. Proposals that aim to develop tools or reagents that will facilitate research may be considered through this mechanism. Information derived from such studies will hopefully lead to submission to other funding agencies, such as the National Institutes of Health (NIH). **Applicants seeking to submit proposals focused on topics such as restoration of CFTR protein function or approaches to fix/replace the defective CFTR gene should apply through the [Path to a Cure Research Grant Program](#).**

Research Grant applications must focus on basic science research. Proposals that include methodologies requiring human subjects or sampling of materials from human subjects will be considered under this mechanism only if the sampling method constitutes minimal patient risk (e.g., venipuncture, nasal brushings) and the sample will be utilized in basic or laboratory research. Projects using previously obtained human samples or samples collected as part of routine clinical care may be allowed; however, this should be specified clearly in the application. All other projects involving human subjects, including studies using data from the CF Foundation Patient Registry and interventional studies, will not be reviewed nor funded through this award mechanism and applicants should instead submit their proposals under the [Clinical Research Award](#) or [Clinical Pilot and Feasibility Award mechanisms](#). Please refer to the Policies and Guidelines of each of these programs on the CF Foundation website (www.cff.org).

III. Funding Amounts

- Funding of up to \$150,000 per year, plus an additional twelve percent (12%) indirect costs may be requested.
- Awards may be approved for up to a two (2) year period. Funding for Year 2 is contingent upon submission and approval of a renewal progress report and the availability of funds.

IV. Eligibility

- U.S. residents and applicants from outside the U.S. are welcome to apply.
- International applicants and institutions are required to submit additional information in accordance with USA Patriot Act and the U.S. Department of Treasury Anti-Terrorist Financing Guidelines.
- Applicants must be independent investigators (an individual that has completed fellowship training and whose institution allows them to submit applications for research funding as a Principal Investigator).

- Applicants whose appointment is dependent on a senior investigator must include a biosketch and letter of support from the laboratory PI clearly indicating the affiliation.
- Candidates who are clinical fellows should apply to the CF Foundation Clinical Fellowship program for the appropriate year.
- Candidates who are postdoctoral fellows should apply to the CF Foundation Postdoctoral Research Fellowship program.
- Each laboratory (not PI) may submit only one application (research grant or pilot and feasibility award) per cycle (resub vs original). This does not apply to training awards.
- Applicants may only submit for one research grant and one pilot and feasibility award in a 12-month period. Each application must describe a research project that is distinct.
- Multiple CF Foundation Research Grants held by a single investigator will not be permitted for this program when the total combined funding exceeds \$168,000 per year. In such cases, the most recent application submitted will be considered administratively ineligible. Competing renewals will be accepted during the year prior to project completion but new funding will be issued coincident with the original program end date.
- PIs with a combined total of CF Foundation research support exceeding \$200,000 per year in direct costs (excluding Research Development Program, National Resource Center, Therapeutic Development Network, and Care Center Awards) with an end date more than six (6) months from the application deadline must receive Program Officer approval before an application will be considered.
- Applications from for-profit entities may (under select circumstances) be considered through this program. Prior to beginning an application, applicants must contact the Program Officer found in Section XII to discuss eligibility. Failure to do so may result in withdrawal of the proposal. Note that if selected for funding, funding of companies would take the form of an investment vehicle, such as equity or debt instruments, or a milestone-based contract, with a preference for equity instruments.

V. Mentorship Requirements

Not applicable to this RFA

VI. Goals of Research Currently of Interest to CF Foundation/Priority Areas

With highly effective CFTR modulators now available for nearly 90% of people with CF in the U.S., and with more individuals living into adulthood, it is critical for the Foundation to define research priorities that address the evolving needs and challenges of this growing population. The Cystic Fibrosis Foundation regularly assesses its key research priorities to ensure we are on track to accomplish our mission to cure cystic fibrosis and to provide people with CF the opportunity to lead long lives. Applicants are encouraged to align submissions to the priorities described below in order to maximize their potential for being funded. Projects that do not directly align with the RFA topics may be considered but will be subject to administrative review upon submission to assess alignment with CF Foundation goals and priorities and may receive a modified or abbreviated review based on the outcome of that assessment.

Research Priorities for the Spring 2026 RFA

CF Related Diabetes (CFRD):

Projects that will improve our understanding of the biological underpinnings of the development and progression of CFRD, including:

- Exocrine/Endocrine interactions including:
 - Impact of exocrine pancreatic disease on endocrine pancreas function
 - Absent/altered acinar cell signaling
 - Incretins and entero-insular axis
- Altered/remodeled islet structure, including innervation and vasculature, that impacts islet function
- Cellular pathways involved in islet maintenance
- Genes and pathways contributing to increased risk of development of CFRD

- Role of CFTR-modulators in the prevention, delayed development, or disease reversal of CFRD

Gastrointestinal Complications Understanding mechanisms underlying significant CF-related GI symptoms with a goal of identifying targets for therapeutic intervention.

- Identification of gastrointestinal tissues/cells that need to be prioritized for systemic CFTR gene correction.
- Impacts of CFTR function on fluid characteristics (e.g., viscosity, ionic concentrations, volume, pH), flow dynamics and mucus abnormalities that lead to CF-relevant GI manifestations.
- Elucidating pathophysiology and/or development of therapeutic approaches directed at correcting nutritional deficiencies in CF.
- Changes in cellular biology that occur with CFTR dysfunction/CFTR modulation including:
 - Expression and/or functional impacts on tissue/cell homeostasis and repair
 - Cell fate determinations/signaling
 - CFTR-modulator reversible and non-reversible manifestations in intestinal, pancreatic, and hepatobiliary disease across the lifespan
 - Impact of early modulator use on restoration of organ level function

Pulmonary Manifestations

Explore the role of mucus volume reductions strategies in improving transduction and transfection efficiency of nucleic acid-based delivery systems to airway epithelial cells.

Identify and begin to understand mechanisms that contribute to the development of Chronic Lung Allograft Dysfunction (CLAD) to inform potential therapeutic interventions that will reduce development and ultimately improve CF post-transplant outcomes.

Infection

Understanding the immune response to phage therapy and how it could affect outcomes

- Projects that seek to understand the specific components of phage contributing to immunogenicity and how these can be predictive of *in vivo* efficacy
- Projects that seek to understand the immune response to phage
- Projects that help to improve our understanding of the role of pre-existing immune responses to phage and the impact of this on the success or failure of phage therapy

Determining the mechanism(s) limiting phage effectiveness *in vivo*, including projects that address the disconnect between *in vitro* vs *in vivo* phage killing efficacy

For all infection-related research proposals, the CF Foundation highly recommends:

- Use of clinically relevant CF bacterial isolates
- Modelling environments that closely resemble the CF lungs whenever possible
- Consideration of HEMT use within CF populations, particularly its impact on lung microbiology and bacterial communities.

Proposals focused solely on basic pathogen biology – without clear relevance to developing new treatments or improving outcomes for people with CF – may be deprioritized for funding.

Topics viewed as a low priority for this cycle. Due to evolving clinical needs and saturation within the current research portfolio, the following topics are considered low priority for basic and translational research during this application cycle. This list will be reviewed and updated regularly to reflect shifts in clinical understanding and the progression of existing projects, which may prompt future research needs in these areas.

- Evaluation of non-CFTR targets specifically ENaC, TMEM16a and solute carrier gene family members for the modulation of CF disease

- CF sinus disease
- Acute rejection in lung transplantation
- Bone disease/bone health
- Chronic kidney disease
- Gut microbiome
- GI cancers
- Genome sequencing of clinical isolates
- Phage host range determination
- Fungal pathogens
- Staphylococcus aureus

Projects that do not address a priority topic listed above but have the potential to lead to a better understanding of disease mechanisms and pathophysiology or will focus on strategies and methods with the potential to develop new prevention and treatment strategies may be submitted, but will be reviewed for portfolio alignment.

Note: Applicants seeking to submit proposals focused on topics such as the restoration of CFTR protein function or approaches to fix/replace the defective CFTR gene should apply through the Path to a Cure Research Grant Program (<https://www.cff.org/path-cure-academic-programs>).

VII. Review and Award

All applications adhering to RFA guidelines will be reviewed for relevance to the mission, alignment with CF Foundation research priorities outlined in this RFA and for technical merit. Funding of awards is at the discretion of the CF Foundation and CF Foundation advisory committees and is based on the priority score, recommendations of the review and advisory committee, relevance of the proposed study to the goals of the Foundation, and alignment with CF Foundation research priorities. All awards are subject to compliance with applicable regulations and CF Foundation policies and are contingent upon the availability of CF Foundation funds.

The review process will initially assess all applications for their alignment with CF Foundation research priorities using a CF Foundation internal review panel. Applications focused on high priority research topics will be reviewed by an external committee for technical merit and alignment to the CF Foundation mission. Applications not focused on high priority research topics may receive a modified and abbreviated review.

Applications that have not been funded in two review cycles will not be accepted for further consideration by CF Foundation. (Exceptions for one additional resubmission may be considered for tenure-track PIs who are pre-tenure with prior approval from the Program Officer.) In order to resubmit unfunded applications during future application cycles, applicants must indicate that the application is a resubmission and clearly address reviewer critiques through a response to reviewers and revisions to the research plan.

Chief causes for assigning low priority scores to applications during review include the following:

- Failure of the application to address contemporary research priorities in CF
- Insufficient information or documentation
- Inadequate statement of hypothesis, experimental design, or methods
- Failure of the applicant to demonstrate awareness of and plans for coping with key problems and pitfalls associated with the proposed research
- Insufficient or improper controls
- Failure of the applicant to describe potential relevance of the proposed study to issues in CF
- Failure of the applicant to document the necessary skills or training to accomplish the goals of the proposal
- Failure of the applicant to meet all of the criteria described in the policy statement for a given award

VIII. Submission Information

Application deadline: Tuesday, May 12, 2026, by 5:00 PM (Eastern)

Submit online through <http://awards.cff.org>

(Refer to Section X of these guidelines for specific submission instructions)

An application will be considered incomplete if it fails to comply with the instructions, or if the submitted material is insufficient to permit adequate review. The CF Foundation reviews applications electronically, and only documents submitted online at <http://awards.cff.org> will be reviewed.

General Timeline:

	Spring 2026 Cycle
Application Deadline	May 12, 2026
Committee Review Date	August 2026
Notification to Applicants	September 2026
Earliest Project Start Date	November 1, 2026

**We strongly encourage all applicants to pre-register their profile, institution, contacts, and Title of their application at least two weeks prior to the application deadline. This will help to ensure the CF Foundation Grants & Contracts Management and Administration (GCMA) Office is able to assist all applicants with potential system-related queries prior to the Application Deadline.*

IX. Letter of Intent Guidelines

Not applicable to this RFA

X. Full Application Guidelines

Applications must be submitted online at <https://awards.cff.org>

Documents should be typed using:

- Font: Times New Roman 12 or Arial 11
- Margins: No less than a half inch on each side

***Note:** When all the documents have been uploaded to awards.cff.org, the system will compile them into a single PDF file. You may preview this file by selecting “Application Full Print”, as well as exporting the compiled PDF file.*

To login, please visit: <http://awards.cff.org>

For all first-time applicants in the new Grants Management System, we ask that you pre-register to create a username and password for “<http://awards.cff.org>” and complete a profile prior to submitting an application.

***Please note:** Applicants should register their profile using the “Domestic Institution” or “International Institution” options to ensure that your profile aligns properly with the institution where the project will be conducted.* We also request that as you begin your application, you enter the title of your project, if available. If you are registered and cannot remember your password, click on the “**Forgot Password?**” link below the “**Login**” fields.

Once logged in, the award opportunities, including this Request for Applications (RFA), will be listed in the **Funding Opportunities** tab on the opening screen.

Locate the listing for the “**2026 Spring Research Grant**” program. Click on the “Apply” button in the column on the far right to open the application form.

Applicants may stop at any point but must click the **“Save”** button at the bottom of each page *before exiting* in order to save their progress. When you wish to return to your draft application, please do not go through the **“Funding Opportunities”** tab. Instead, go to the **“My Applications”** tab in the right corner of the main page. When you are in the **“My Applications”** tab you will be able to find all of your draft applications by clicking on the **“Draft Applications”** module.

The following sections are displayed as tabs across the application screen. Click on each section and follow the directions. Click **“Save”** as you complete each section.

GENERAL

Enter the title of your project, enter the project start and end dates, select the number of periods being requested, and complete any additional questions. Also, please complete the organizational assurances indications (i.e., IRB, IACUC, and/or IBC/rDNA approval letter and status at the time of submitting the application) in this section.

***Please ensure that you review and comply with the Organizational Assurances and Certifications as cited at the end of this section.**

CONTACT PROFILE

If a profile was completed upon registration, the fields in this section will already be populated with the information entered in your Professional Profile. If you need to make any changes, you may update your profile in this section. Once updated you must **“Save and Validate”** prior to returning to continue your submission.

INSTITUTION

If a profile was completed upon registration, the applicant’s/principal investigator’s institution will be preloaded as the Lead Institution. Domestic applicants must verify their institution by entering the Employer Identification Number (EIN) or Tax Identification Number (TIN) to search the system for the correct institution. If the EIN/TIN is not located, you may add the legal institution. Please also confirm if the project site is the same as the legal institution.

Verification of Applicant Institution’s Tax Status (upload as PDF documents):

The CF Foundation GCMA Office must have a copy of the applicant institution’s current W-9 and 501(c)3 letter, or other documentation verifying its Federal tax status and will not issue Award Letters to Awardees if these documents are not received and on file.

- Applicants from for-profit organizations must submit a copy of the applicant institution’s W-9 and IRS documentation verifying the organization’s Federal tax status. Awards are not issued prior to having these documents on file with the CF Foundation GCMA Office.
- Non-U.S. applicants must provide a copy of the W-8BEN-E form (required). In addition, a tax equivalency letter should be uploaded, if available. If a tax equivalency letter is not available, applicants must upload a letter stating this documentation is not available.

International Applicants (if applicable):

Applicants whose institution is not a United States based entity may be required to provide additional information and complete a CF Foundation International Institution Form. The completion of this form also includes submission of additional documentation.

CONTACTS

Please note: The INSTITUTION tab must be completed prior to adding internal contacts to ensure that the contacts are properly associated with the applicant institution.

Complete the required contact fields by searching by name for existing contacts at your institution for each role. If the desired institutional contact is not available in the system, you may select “**Add Internal Contact**” to create a basic contact profile to add the individual to your application.

Additional contacts not associated with the applicant institution may also be added. These contacts are considered additional contributors involved in the proposed research plan. These may include consultants, collaborators, or subcontractors. To add contacts external to the applicant institution, please select the appropriate “Add Subcontractors” or “Add Consultants/Collaborators” button(s) and add the contacts in the table, then click “Save”.

REFERENCES (if applicable)

This section will appear if you have selected “Yes” for the question on the **GENERAL** tab “Are you a junior investigator?”

Letters of Reference for Junior Investigators*: The CF Foundation defines “junior investigator” as any individual who has not received a CF Foundation Research Grant or NIH equivalent (e.g., R01, R21, R23) as a Principal Investigator AND is within their first five (5) years of their first academic appointment at the level of Assistant Professor or equivalent.

Letters of Reference for junior investigators must be submitted by the following individuals:

- **The Chair of the Applicant’s Department at the Applicant Institution** – The letter of reference from the Department Chair should indicate the release of sufficient space and facilities for the work described, as well as guarantee the time commitment of the investigator to the project. If the applicant is currently a fellow, the letter of reference should include confirmation of the pending faculty-level appointment.
- **At least two (2) other individuals** familiar with the applicant's scientific interests and abilities.

Letters of Reference must be submitted prior to submission of the application. To invite Referees, go to the “**REFERENCES**” tab of the online application, then select the blue button to open a pop-up window to add referees in the table. You must click “Invite” in order to trigger the e-mail to the referee. The referee(s) will be sent an e-mail asking them to Accept or Decline the invitation to submit a letter of reference and will be provided instructions to submit the letter. **The applicant will be alerted if a referee declines the invitation; please make sure to check this tab regularly to see the status of the references.** The applicant should inform Referees to submit the letters at least one (1) week prior to the application deadline. This helps to ensure that the letters have been uploaded before the application is submitted. Once the application has been submitted, no documents can be added.

Letters uploaded to <http://awards.cff.org> should not be password protected or otherwise encrypted. Such encryption will cause errors in assembling a single-print PDF of the application. The applicant should inform the individuals writing letters to not include password protection on their documents.

***Investigators who have received a prior CFF/CFFT Research Grant or NIH equivalent, are not required to submit Letters of Reference; however, if they are new to CF research, Letters of Support and/or Collaboration should be provided as uploads in the FULL APPLICATION UPLOADS tab.**

ABSTRACTS/RELEVANCE

In the space provided online for abstracts, provide a statement of no more than 2,000 characters (including spaces) explaining the subject of the research proposal and its relationship to CF. Two different abstracts are required, as follows:

- **Project Alignment to Research Priorities and Expected Outcomes:** Clearly articulate how the proposed research advances one of the identified research priorities in Section VI of the RFA. Identify up to three

specific outcomes anticipated upon completion of the project, demonstrating its potential to contribute meaningfully to the field.

- **Lay Abstract:** This statement will be used to inform the non-scientific departments of the CF Foundation and the general public of the nature of this work. Applicants should not include any confidential or proprietary information, including intellectual property, in the lay abstract.
- **Scientific Abstract:** This statement will be used to inform the scientific community.
- **Summary of Relevance to CF Foundation mission:** All applications are reviewed and scored not only on scientific merit but also on relevance to the CF Foundation’s mission:

The mission of the Cystic Fibrosis Foundation is to cure cystic fibrosis and to provide all people with CF the opportunity to lead long, fulfilling lives by funding research and drug development, partnering with the CF community, and advancing high-quality, specialized care.

Provide a statement of no more than 3,000 characters (including spaces) summarizing the relevance of the proposed research to the health and well-being of CF patients, for a scientific audience who may or may not have a background in the subspecialty of the proposed research.

BUDGET

Select the “**Edit Budget**” button under Application Budget, to enter and begin completion of the application’s budget detail for each year of funding being requested. Research Grants funded through this RFA are for a maximum of three (3) years. The total budget request cannot exceed \$150,000 per year plus an additional twelve (12%) of indirect costs.

Salaries & Benefits - List the names, positions, and percent effort of all professional and non-professional personnel involved in the project, **whether or not salaries are being requested**. For each individual, be sure to complete all fields on the Budget Detail in full on the template provided. In accordance with National Institutes of Health (NIH) policy, salary requests may not use an institutional base salary in excess of the current federal salary cap of **\$228,000 (FY2026)**. Fringe benefits may be requested if they are treated consistently by the applicant institution as a direct cost to all funding agencies and foundations.

Consultant Costs - Give the name and institutional affiliation of any consultant who has agreed to serve in this capacity, including statisticians and physicians in connection with the project if they are not listed under personnel. In the budget justification, briefly describe services to be performed, the number of days, rate of compensation, per diem, and any other associated costs. Qualifying consultants are individuals that are generally not employed at the applicant institution and/or are consulting independently to the project.

Travel - Describe the purpose of travel being requested. Please note: For North American applicants, expenses for travel outside the North American continent, including travel to Hawaii, Puerto Rico, and other U.S. territories are not allowable expenses without prior written approval from the CF Foundation GCMA Office. **Travel expenses may not exceed \$1,500 per person per year**. Registration fees associated with conferences are in addition to this allowance and should be listed under “Other Expenses”. Applicants are encouraged to attend the North American CF Conference each year to present their work.

Consumable Supplies - Itemize supplies e.g., glassware, chemicals, animals, in separate categories and give the estimated cost of each category. If animals are involved, state the number, unit purchase cost, and unit care cost.

Major Equipment - List all items of equipment greater than **\$5,000** requested and the cost of each item. If funds are requested to purchase equipment that is equivalent to items listed under “Facilities Available”, justify the duplication. Justify any item of equipment for which the need may not be obvious.

Other Expenses - Itemize other expenses by major categories, such as duplication costs, publication costs, minor equipment (under \$5,000), computer charges, conference registration fees, etc. Tuition costs may be requested for personnel supported through this study but may not exceed **\$10,000** per person per year.

Subcontractors Summary – If applicable, detailed budgets and budget justifications for each subcontract, including indirect costs, must be provided for each year of support. Subcontractors are added in the prior section entitled **CONTACTS**. The lead/prime applicant (PI) and/or Grants Officer can initiate/complete the subcontract budget. After adding Subcontractor(s), to access the subcontract budget activity, please select the **“BUDGET”** tab of the application and click the **“Open”** button next to each listed subcontractor. After completing the subcontract budget activity, please select **“Pending PI Acceptance”**, as well as **“Submit”** to ensure the subcontractor budget is included as part of the main application budget.

For applications that include a subcontract with a third party, the applicant may request indirect costs on the first \$25,000 of each subcontract per project period. Negotiations of subcontracts are between the applicant institution and the subcontractor.

Budget Detail – Indirect Costs

Indirect costs of up to twelve percent (12%) may be requested from the CF Foundation. Indirect costs may be requested for all expenses except for the following:

- Major equipment (items over \$5,000 in value)
- Computer software
- Software licenses
- Tuition

FULL APPLICATION UPLOADS

Download the available templates applicable to the project, upload the completed templates to the corresponding attachment types within this section. Templates available for download include:

- Budget Justification
- Research Plan
- Biographical Sketches for Key Personnel
- Other Support
- Facilities Available
- Results of Past and Current CFF/CFFT Support
- Critique Response (if resubmission)

BUDGET JUSTIFICATION

Describe costs listed in the Budget Detail. Use major categories, such as Salaries & Benefits, Consultant Costs, Major Equipment, etc. Justify all items and make sure amounts and figures listed in the narrative are consistent with those listed in the Budget Detail.

****Budget Justification upload(s) should be provided individually for each year of funding support being requested. These can be uploaded as a single PDF or separate PDF uploads for each year.***

RESEARCH PLAN

Page limit: Twelve (12) single-sided pages, not including the Literature Cited. Applications exceeding this page limit will not be reviewed. Type the PI's name in the space available in the header of the document. The template available will track page numbers at the bottom.

- Include sufficient information to permit effective review without reference to previous applications. Information should be presented in a clear and concise manner, while being specific and informative.
- Key figures and legends must be included in the Research Plan and should be of sufficient quality and size (at least 11 pt font) to be evaluated by the reviewer. If uploaded as Appendices, they will NOT be reviewed.

- If the application is a resubmission of an earlier one, revisions must be clearly indicated by a change in font, bolded or underlined. **The CF Foundation will not review resubmissions that have not been revised.**
 - a. **Hypothesis and Specific Aims:** State concisely and realistically the intent of the proposed research and the hypothesis to be tested. The specific aims should be relevant to the mission of the Cystic Fibrosis Foundation. Do not exceed one page.
 - b. **Background and Science:** Critically evaluate existing knowledge and specifically identify gaps the project intends to fill. Concisely state the importance and rationale of this research by relating the specific aims to longer-term objectives. This section should also show the translational impact of the proposed work to CF, as well as alignment to strategic priorities of the Foundation, as outlined for this RFA.
 - c. **Preliminary Results:** Provide any preliminary data that supports and informs the study hypothesis, experimental design and feasibility of the proposed aims and include a detailed discussion of all preliminary results. Figures and tables should be provided when possible and sufficiently annotated.
 - d. **Experimental Design and Methods:** Provide a detailed discussion of the experimental design and methods to be used to accomplish the specific aims. Describe the protocols, including methods for new techniques, and explain potential advantages over existing methodologies. Discuss the data expected to be obtained and the means by which data will be analyzed and interpreted. If clinical samples are included in the research plan, provide details of the methods for patient selection. Discuss potential pitfalls and/or limitations of the proposed procedures and alternative approaches to achieve aims. Point out any procedures, situations, or materials that may be hazardous to personnel or patients and the precautions to be exercised. Since Research Grant applications are reviewed by the CF Foundation's Research and Research Training Committee, applications that include methodologies requiring sampling of materials from human subjects will only be considered under this mechanism if the sampling method constitutes minimum patient risk (e.g., venipuncture, nasal cell brushing) and patient samples or data are anonymous. Describe the level of risk and measures taken to assure patient anonymity to the PI and other professional personnel unless the PI or other professional personnel are care providers. Note: The CF Foundation Patient Registry and Interventional studies involving human subjects cannot be supported through this program and should instead apply as a [Clinical Research Award](#) or [Clinical Pilot and Feasibility Award](#).
 - e. **Limitations and Potential Pitfalls:** Discuss potential difficulties and/or limitations of the proposed studies and alternative approaches to achieve aims.
 - f. **Consultant Arrangements:** If the proposed project includes consultant arrangements and/or collaboration with other individuals outside the applicant's group, describe the working relationships and support this description by letter(s) of intent signed by collaborating individual(s). If clinical material required by this award is to be furnished by other individuals, include a statement from these individuals agreeing to their participation and precautions taken to ensure anonymity of patients.
 - g. **Literature Cited:** References should be numbered in the sequence they appear in the text and listed at the end of the Research Plan. Each citation must include the names of all authors, title, the name of the journal or book, volume number, page number and year of publication (titles are optional).

BIOGRAPHICAL SKETCH(ES) OF KEY PERSONNEL

Complete and upload an NIH Biographical Sketch for all key project personnel, beginning with the Applicant/Principal Investigator. For dependent faculty, please also provide a biosketch for the lab PI. International applicants can upload a biosketch that is equivalent in content to the NIH template provided. (The CF Foundation defines "key personnel" as any individual with an advanced degree that will play an instrumental role in the accomplishment of the research project.) Do not exceed five (5) pages per person.

OTHER SUPPORT

Complete and upload the Other Support form for all key project personnel, beginning with the Applicant/Principal Investigator. There is no page limitation. Information on other support assists the CF Foundation in the identification and resolution of potential sources of overlap. Scientific and budgetary

overlap should be minimized. Commitment of an individual's effort greater than 100 percent, is not permitted.

FACILITIES AVAILABLE

Describe the facilities and equipment available at the applicant's institution that will be used for this project, such as laboratory, clinical, animal, computer, office, etc. Provide any additional information about the environment, including any support services available that will be utilized. Describe their pertinent capabilities, proximity, and anticipated extent of use. If facilities or equipment at a consultant's or collaborative site will be used, they should be identified and clearly described. There is no page limit. Use continuation pages, if necessary.

RESULTS OF PAST AND CURRENT CFF/CFFT SUPPORT

The Principal Investigator (PI) and any Co-Principal Investigator(s), if applicable, are requested to identify the results of past and current CFF/CFFT support (e.g., subsequent funding from other sources, journal articles, and invited presentations) and the CFF/CFFT award from which they resulted for the past five (5) years. Please note that the following information must be included with each research project identified:

- CFF/CFFT Award #
- Principal Investigator (PI)
- CFF/CFFT Project Title
- Applicant's Title on Project
- Project Start/End Dates
- Total CFF/CFFT Award Amount
- Results of Support

CRITIQUE RESPONSE (IF RESUBMISSION)

If the application is a resubmission of a previously declined application, please provide a point-by-point response to the prior reviews. There is no page limit to your responses, but please be concise and succinct. Note: In addition to providing the response to critiques, the research plan must also be revised and clearly marked to show changes from the previous submission. Research plans that are not clearly revised may not be reviewed.

LETTER(S) OF SUPPORT (FOR INVESTIGATORS NEW TO CF RESEARCH, IF APPLICABLE)

Note: Letters of Support are not required for experienced CF investigators, e.g., recipients of past CFF/CFFT funding, investigators with recent publications in the field.

Investigators new to CF research are strongly encouraged to consult or collaborate with an established CF investigator/clinician either at their own institution or another. An investigator is considered new to CF if they have not previously (1) published in CF or (2) received extramural funding for a CF-focused research project. A letter of support from the collaborator/consultant should be included with the application, explicitly describing how the proposed work is relevant to CF and how the collaborator/consultant will assist the investigator (such as providing scientific expertise or CF-relevant samples and reagents).

Dependent faculty must provide a letter of support from their laboratory PI clearly indicating the affiliation and their support of the application.

APPENDICES (IF APPLICABLE)

Appendices are restricted to the following categories:

- Certification of organization assurances (i.e., IRB, IACUC and IBC approvals), if applicable.
- Signed Letters of Support
- Signed Letters of Collaboration from Co-PIs, if any.

*Organization Assurances & Certifications

The CF Foundation requires, as applicable, that all U.S.-based awardees obtain Institutional Review Board (IRB) approvals for human subject research, Institutional Biosafety Committee (IBC) approval for recombinant or synthetic nucleic acid research, and Institutional Animal Care and Use Committee (IACUC) approval for animal research, (see additional information regarding these approvals below). Copies of these approvals, if available at the time the application is submitted, must be uploaded with the application as appendices. The CF Foundation will not release payments to awardee institutions until these documents are received and on file with the CF Foundation GCMA Office.

Awardees based outside of the U.S. must comply with the applicable equivalent regulations in their respective countries and provide copies of approvals as soon as they are available. The CF Foundation will not release payments until these documents are received and on file with the CF Foundation GCMA Office.

Research Involving Human Subjects: CF Foundation policy pertaining to the protection of individuals as research subjects requires that for each proposal awarded, the awardee institution certify in writing that an Institutional Review Board (IRB) has reviewed and approved the procedures for the use of human subjects, or human organs, tissues and body fluids, in the proposed research, in accordance with the Department of Health and Human Services policies found at <https://www.hhs.gov/ohrp/regulations-and-policy/index.html>. In the event the IRB has determined a study is exempt, documentation demonstrating the exempt status must also be submitted to the CF Foundation GCMA Office.

Research Involving Recombinant or Synthetic Nucleic Acid Molecules: All research involving recombinant or synthetic nucleic acid and human gene transfer studies supported by the CF Foundation must meet the requirements contained in the document *NIH Guidelines for Research Involving Recombinant or Synthetic Nucleic Acid Molecules (updated April 2024)*. This publication and announcements of modifications and changes to the NIH Guidelines are available from the Office of Science and Policy, National Institutes of Health, 6705 Rockledge Drive, Ste 750, MSC 7985, Bethesda, MD, 20892-7985 or online at https://osp.od.nih.gov/wp-content/uploads/NIH_Guidelines.pdf.

Research Involving Animals: Applications submitted to the CF Foundation involving the use of animals must meet the guidelines of the National Institutes of Health found at <https://grants.nih.gov/grants/olaw/olaw.htm>, which require that all proposed studies be reviewed and approved by an Institutional Animal Care and Use Committee (IACUC). In addition, CF Foundation awardee institutions and laboratories must be accredited by the American Association for Accreditation of Laboratory Animal Care (AAALAC) and/or have other verifiable assurances that the institution and laboratory meet appropriate standards.

Validation and Submission

Prior to submitting your application, please conduct a thorough review of all sections. Once your review is complete, navigate to the **ASSURANCE STATEMENT(S)** tab and enter your initials in the "Applicant Initials" field to provide your attestation. When you click the **"Submit to Authorized Institution Official for Acceptance"** button, the system will validate all required fields and identify any errors. Upon successful submission, the application status will change to **"Pending Authorized Institution Official Acceptance"** and the application will be locked for editing.

Your Authorized Institution Official will receive an automatic notification to review your application. The Authorized Institution Official will access the application through **My Applications > Pending Authorized Institution Official Acceptance module**, review it thoroughly, and enter their initials in the "AIO Initials" field under the **ASSURANCE STATEMENT(S)** tab to provide their attestation. They will then click **"Submit to CFF"** to

complete the submission process. No further action will be required from you at this stage unless you are contacted by CF Foundation staff regarding your application.

If revisions are needed while the application is in "**Pending Authorized Institution Official Acceptance**" status, the "**Revise AIO**" button can be clicked, which will revert the application status to "**Draft**" allowing necessary changes before following the standard submission process again

XI. Resources and Other Information

- [CF Foundation Funding Opportunities Newsletter](#)
- [CF Foundation Academic Funding Opportunities](#)
- [Grants Management System – How to User Guides](#)

XII. Contact Information

For technical support and content information:

Primary CF Foundation GCMA Office contact Mike Carlino at MCarlino@cff.org or 301-841-2614

Secondary CF Foundation GCMA Office contact grants@cff.org or 301-841-2671

For scientific and programmatic questions:

For infection related projects, contact Rebekah Dedrick, Ph.D. at rdedrick@cff.org

For all other projects, contact Katherine Tuggle, Ph.D. at ktuggle@cff.org