

The Pediatric Epilepsy Research Foundation® (PERF®) and Child Neurology Society (CNS) are committed to developing the careers of child neurologists and advancing the state of the art through targeted research support. In pursuit of this goal, we have established a new research career development grant designed to provide *bridge funding to promising child neurology researchers who are applying for their first independent National Institutes of Health (NIH) or Canadian Institutes of Health Research (CIHR) research support.* Through this grant mechanism, we aim to assist investigators who have applied for NIH R01 or CIHR Operating/Project Grant support but were not funded. **This award is intended to retain investigators in child neurology clinical, translational, or basic research while they re-apply for NIH or CIHR funding.**

It is appropriate for investigators to share this application submission guidance with ALL personnel assisting you with your grant application.

Please see “**Application Submission Instructions**” for exact instructions on page 4.

When the application is received, it will be reviewed for thoroughness and receipt will be acknowledged within 3 business days.

Questions? Email: PERF.CNSbridgegrant@gmail.com

Awardee Eligibility

The following individuals are eligible to apply for this award:

- Active members of the Child Neurology Society (or membership application in process).
- Have submitted their first NIH R01 or CIHR Operating/Project Grant proposal during the past two years, and that grant was scored in the peer-review process but fell below (or is likely to fall below) the NIH or CIHR pay line.
- Investigators with K-award (or equivalent) funding that will expire prior to the potential funding of their first R01 grant are eligible to apply, but current K-level funding is not a prerequisite.
- Investigators whose only federally funded grant is an R03 or R21 (or equivalent) award, and who are now re-submitting their first R01 or Operating/Project Grant, are eligible.

Awardee Ineligibility

The following individuals are **not** eligible to apply for this award:

- Investigators with current, independent, federally funded grants (aside from one R03 or one R21 or equivalent) are not eligible to apply for funding through this mechanism.
- Individuals who are seeking funding to support ongoing projects that are currently funded by another extramural granting body are not eligible to apply.

NIH/CIHR Funding Exception

Since these grants are intended as bridge support, if the NIH/CIHR grant is received by Awardee, the Awardee must notify PERF® within 10 business days of receipt of the notice of award, and the following would apply:

- If NIH/CIHR funds are received prior to distribution of Bridge grant funds, the award funds will not be released, and the grant will be closed out.
- If NIH/CIHR funds are received after distribution of Bridge grant funds, the Awardee is permitted to

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submit updated documents (i.e., a new budget, justification, and project timeline) and may be allowed to retain some or all the funds if they can provide sufficient rationale.

Application Requirements

1. A letter of exemption from the Internal Revenue Service (with the tax identification number of the primary study site) needs to be included.
2. Peer review (mentor or colleague) of your proposal is strongly encouraged. If applicable, describe in Section 8 ("Mentoring Plan") how a mentor or mentorship team will be involved in your Bridge grant project and/or in your transition to independent research funding.
3. Grant funding is contingent upon IRB/IACUC approval of your project (if applicable). Notice of current IRB/IACUC approval must be received by sponsor prior to receiving financial payment.
4. Two letters of recommendation are required. At least one reference letter must include a **yellow highlighted statement** that documents the willingness of the institution to accept the grant without indirect costs, provision of sufficient protected time to perform the research described in the application, and **assurance of a 1:1 match from the Investigator's Division or Department**. Funding may be used to cover a portion of the investigator's salary support, as well as for research costs, such as supplies, effort for a technician or research coordinator, statistical support, etc. The grant is not renewable to the Awardee's institution and may not be extended (i.e. this grant mechanism does not allow no-cost extensions). The highlighted statements are to be included in a letter from the applicant's Section Chief or Department Chair. This letter is mandatory.
5. All applicants will be notified of the grant review committee's decision by June 30 of the submitting year.
6. Once an applicant is selected for a grant, they shall execute the PERF® "Grant Agreement" as a condition of grant acceptance. The grantee must submit an interim **Project Evaluation Report** at 6 months and a **Final Project Evaluation and Financial** Report within 90 days of award completion. Failure to meet the deliverables or submit an interim report will likely result in termination of project funding. Should unexpected circumstances develop that affect the grantee's ability to perform the work proposed in the funded application, the grantee must notify CNS and PERF® within 14 days of recognition of the unanticipated challenge.
7. The grantee's institution should be prepared to cash the grant check within one month of receipt of the payment.
8. **CNS Annual Meeting Abstract Requirement.** During the grant period, or in the following year (i.e. April), the Awardee will be required to submit an abstract for presentation to the CNS Annual Meeting. Should the abstract be accepted for publication, the Awardee will receive a fee waiver to cover the cost of meeting registration. We also anticipate that projects funded by this grant will lead to publication of original research in peer-reviewed journals.

IMPORTANT INFORMATION:

Applications are due no later than 8:00 pm (central time zone), April 15 of the submitting year. There are no extensions.

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It is suggested you provide the application packet and forms to all staff assisting you with completion of this grant application.

Merge all documents into one PDF, in the specific order listed in Table 1. A Table of Content is REQUIRED after the signed Face Page. An application form is provided for Section number in red.

Table 1

Section	Document	Limit: Page, Line, or Word
1	Face Page	Two pages
2	Table of Content	Two pages
3	List of Abbreviations	None
4	Abstract	Not to exceed 300 words
5	Specific Aims	One page
6	Research Plan	Six-pages
7	Mentoring Plan	One-page
8	Biographical Sketches	Five pages per person
9	Other Support page	None
10	Budget	One page
11	Budget justification	No limit
12	Institutional Resources	One page per institutional site including submitting site.
13	Letters of Recommendation	Two-pages each
14	References Cited	None
15	Performance Sites and Key Personnel, which should align with submitted biosketches.	One page limit
16	Awardee Financial Information (one page limit)	One page limit
17	501(c)3 (non-profit) proof of status.	
18	Human Subjects Research Plan	No page limit
19	Animal Research Plan	No page limit
20	IRB Approval Letter	No page limit
21	IACUC Approval Letter	No page limit

FORMATTING REQUIREMENTS

- Single Spaced
- Standard paper size (8.5 x 11)
- ½" Margins
- 11-point Arial font
- Font color should be black.
- Use only a standard, single-column format for the text. A two-column format can create difficulties when reviewing the document electronically.
- If the research plan includes figures, graphs, diagrams, tables, figure legends and/or footnotes, a smaller type size is allowable, but it must be a black font color, readily legible, and follow the font typeface requirement. Color can be used in figures.

GO TO NEXT PAGE FOR APPLICATION SUBMISSION INSTRUCTIONS

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APPLICATION SUBMISSION INSTRUCTIONS (Forms are provided for Sections in **RED** font)

Section 1 / Application Face Page: (two-page limit)

Complete application page and obtain institutional signature.

Section 2 / Table of Contents

List completed Sections with their starting page number.

Section 3 / Abbreviations

List all word/terms used in this application with their abbreviation, if applicable.

Section 4 / Abstract: (not to exceed 300 words)

The abstract should provide a succinct description of the proposed work. It should include the project's broad objectives and specific aims. Do not include graphs or images.

Section 5 / Specific Aims (One page limit)

Provide a brief narrative that clearly indicates the concern or problem to be addressed in the proposal. State the goals or objectives and the hypothesis to be tested. List 2-4 specific aims, which should be logical, achievable and relate back to the research or hypothesis. The final paragraph/sentence should be an impact statement stating what will become possible that currently isn't, how the research will impact the scientific field. Be sure to emphasize how this work is likely to lead to a successful R01 or Operating/Project Grant resubmission.

Section 6 / Research Plan: (six-page limit)

Factors that will be taken into consideration when reviewing applications include:

- **Significance:** The planned research must have clear significance in addressing important questions related to child neurology.
- **Investigator:** The Awardee's history of productivity and experience in child neurology research are well-suited for the project.
- **Approach:** The planned research (overall strategy, methodology, and analyses) is scientifically sound and addresses the key issues raised by NIH/CIHR reviewers.
- **Strategy to address NIH/CIHR reviewer comments:** A clear and feasible plan on how the grant will facilitate the resubmission of a competitive R01/CIHR Operating /Project Grant application, what will be achieved with the funds, and how support for the present application will sustain the applicant's career in child neurology research.
- **Environment:** Institutional support and availability of staff, equipment and other physical resources for the planned research are sufficient. The application should demonstrate excellent scientific and career mentorship, as well as institutional commitment to the success of the applicant.

Suggestion: Use the NIH layout and information. See "Research Plan Section", starting on page 168.

<https://grants.nih.gov/grants/how-to-apply-application-guide/forms-h/general-forms-h.pdf>

Section 7 / Mentoring Plan (one-page limit)

Applicant is expected to have at least one mentor who is guiding their progress to independent research. The Plan is limited to one page and should include:

- Frequency of meeting with the mentor and communication method (i.e. in person, email, Zoom, Team, etc.)
- Academic Progress (mentorship improves promotions).
- Mechanisms for ensuring regular feedback.
- Networking Opportunities.

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APPLICATION SUBMISSION INSTRUCTIONS, continued

- Funds, resources, gift-in-kind, etc. that are available from mentor to applicant.

Section 8 / Biographic sketch: (five-page limit per person)

PI (primary mentor) and key personnel. Key personnel are individuals who contribute in a significant, meaningful way to the scientific development or execution of the project. This typically does not include technicians or others unless they provide specific expertise or have a skillset needed to complete the proposed research. Use the standard NIH Bio sketch template <https://grants.nih.gov/grants/forms/biosketch.htm>.

Section 9 / Other Support: (no page limit)

Applicants should provide funding information on active and pending support. Other support is to include all resources made available to the applicant. Other support is necessary to verify there is no budgetary or scientific overlap or commitment of effort greater than 12 person-months for the PI, or if applicable their mentor.

Section 10 / Budget: (use provided excel spreadsheet) NO INDIRECTS PROVIDED

Enter costs for the 12-month budget period. Expenses only related to this project should be requested.

Section 11 / Budget Justification: (no page limit)

Provide a justification for the budget requested under each category provided on the Excel spreadsheet. If no budget is requested for a category, indicate “not applicable”. Please also describe how the Institutional matching funds will be used.

Section 12 / Institutional Resources: (One page limit per institutional site including submitting site.)

List resources/facilities and available major equipment that are directly relevant to the proposed research and are required to undertake and complete the proposed research successfully.

Section 13 / Letters of Recommendation (Two pages each)

Two letters of recommendation are required. At least one reference letter must include a **yellow highlighted statement** that documents the willingness of the institution to accept the grant without indirect costs, provision of sufficient protected time to perform the research described in the application, and assurance of a 1:1 match from the Investigator's Division or Department. Funding may be used to cover a portion of the investigator's salary support, as well as for research costs, such as supplies, effort for a technician or research coordinator, statistical support, etc. The grant is not renewable to the Awardee's institution and may not be extended (i.e. this grant mechanism does not allow no-cost extensions). The highlighted statements are to be included in a letter from the applicant's Section Chief or Department Chair. This letter is mandatory.

Section 14 / References Cited Additional Information: (no page limit)

The references cited in the research plan, or any other parts of the application must follow the style standards established by the National Library of Medicine (NLM):

List all authors, last name first, then first initial, and middle initial, if available, separate each author by a comma. List full article title, capitalize only first word and any proper nouns. Abbreviate journal title according to NLM Catalog of Journals¹. Put year first, followed by month and date, if listed.

References are to be uploaded as a separate file and are not included in the research plan page limit.

¹ <https://www.ncbi.nlm.nih.gov/nlmcatalog>

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APPLICATION SUBMISSION INSTRUCTIONS, *continued*

Section 15 / Performance Sites and Key Personnel: (one page limit)

Complete required information on Section 15 form.

Section 16 / Awardee Financial Information: (one page limit)

Complete required information on Section 16 form.

Section 17 / 501(c)3 (non-profit) proof of status

A letter of exemption from the Internal Revenue Service (with the tax identification number of the primary study site) needs to be included.

Section 18 / Human Research Subjects Plan: (no page limit)

Indicate the assurance status (active, pending, not submitted), the approval date and expiration date if known.

Succinctly state the characteristics of the subjects; research material source(s); plans for recruitment and obtaining consent procedures; any potential risks to subject; processes for protecting against or minimizing potential risks.

Inclusion of Women and Minorities: Discuss the demographics of the minority populations in the area and the criteria and rationale for selection of gender and racial/ethnic group, as well as your plan for recruiting/ including women and minorities in the research.

Targeted Enrollment Table: estimate participation in the study by gender and ethnicity.

Inclusion of Children: Discuss the participation of children and explain the rationale if children are excluded. If they are included, describe the rationale for selecting demographics: age, sex, etc.

Section 19 / Animal Research Plan: (no page limit)

Indicate the assurance status (active, pending, not submitted), the approval date and expiration date if known.

Give a detailed description of the proposed use of the animals in the work outlined in the Research Strategy section. State the species, strains, ages, sex, and numbers of animals to be used in the proposed work.

Provide information on the veterinary care of the animals involved. 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. Describe any method of euthanasia to be used and the reasons for its selection. Indicate whether this method is consistent with the recommendations of the American Veterinary Medical Association (AVMA) Guidelines on Euthanasia. If not, include a scientific justification for not following the recommendations.

Section 20 / IRB Approval Letter: (no page limit)

May be provided at time of funding if institutional approval has not been received.

Section 21 / IACUC Approval Letter: (no page limit)

May be provided at time of funding if institutional approval has not been received.

CONTINUE TO NEXT PAGE FOR PERF® TERMS AND CONDITIONS

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PEDIATRIC EPILEPSY RESEARCH FOUNDATION® TERMS AND CONDITIONS OF GRANT FOR POTENTIAL GRANTEE**

ACCEPTANCE FORM: The award payments will be mailed to your institution's office of grants and contracts at the address indicated on the attached acceptance form. Please specify the name and address of the individual to whose attention the checks should be mailed. No funds can be paid until this form is completed and returned.

IRB/IACUC APPROVAL: Copies of current IRB or IACUC approval must be provided at time of award, if not submitted with the application.

CHANGE IN STATUS: It is your responsibility to notify us in writing if your location, institution, or status at the institution changes during your award period, or if there are any significant changes in the project as approved. Any proposed revisions in the project budget or project timeframe must be submitted to and approved by the Foundation before being implemented.

USE OF FUNDS: Funds can only be used as stipulated in the application and outlined in the budget.

No indirect costs are provided.

MANUSCRIPTS: All manuscripts (including meeting abstracts and research papers in review) that result from this research project are to be submitted to the Foundation once they are accepted for publication. Publications should acknowledge support with the phrase: **"This project was co-funded by the Pediatric Epilepsy Research Foundation®"** and when appropriate use the foundation logo.

****If your proposal is selected for funding, this form will require institutional signature as part of the grant agreement. ****