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July 8, 2020

BWH Department of Anesthesiology, Perioperative and Pain Medicine Basic/Clinical collaborator Grant

- Goal: Encourage collaboration between a basic and a clinical/translational scientist within our Department that will lead to competitive application for extramural funding
- Budget: Up to \$50,000
- Prerequisites:
 - This mechanism requires two principal investigators (PIs). One should identify themselves primarily as a basic scientist, the other as a clinical/translational scientist.
 - A collaboration plan is required
- Application process:
 - **Letter of intent due:** **8/15/20 at midnight**
 - Up to 1 page, including a brief description of proposed research aims, strategy, and mentor(s). Please submit to [Danny Muehlschlegel](#)
 - Invitations will be sent out: 8/30/20
 - **Invited applications due:** **9/30/20 at midnight**
 - Grant announcement: 11/01/20
- Deliverables: Bi-annual brief progress reports/Final report; Peer reviewed manuscript; extramural grant application
- Budget:
 - Grant will also include the following, which need NOT be specified in budget:
 - Availability of research assistant up to 0.3 FTE effort, statistical support
 - For the clinician, conversion of a clinical day to a guaranteed non-clinical day for 1 year
 - For the basic scientist, the equivalent of a 50% postdoctoral salary for 1 year
 - In budget, include supplies, assays, patient remuneration up to \$50,000

Criteria:

The following criteria will be used to assessing the proposal narrative:

1. Novelty and significance of the proposal.
2. Presence of clear and justified research methods.
3. Brief review of existing literature in the field, and demonstration of need for research
4. A rational timeline indicating the ability to complete the project within 1 year.
5. Specific, measurable outcomes to determine success of the project.
6. Evidence suggesting a high probability for external funding.

Grants Information

- Up to 2 Basic/Clinical collaborator seed grants will be awarded in 2020
- Applications will close on September 30th, 2020
- The award will be announced on November 1st, 2020. The grant period of 12 months can begin any time in the year granted. Grant recipients are required to present their work to the Department at the conclusion of their grant or after 1 year.

Eligibility

1. All levels from Lecturer to Professor are eligible to apply
2. MD or PhD or equivalent degree
3. Grants will be judged by the Research Leadership Committee and external reviewers.

Application Materials to be submitted

The entire application should be submitted to [Danny Muehlschlegel](mailto:jmuehlschlegel@bwh.harvard.edu) (jmuehlschlegel@bwh.harvard.edu) as a **single PDF document** with components collated in the following order:

- 1) **Proposal Cover Sheet (1 page)**
- 2) **Response to Reviewers (1 page):** only for previously submitted grants, a response to previous critiques must be provided.
- 3) **Research Plan (3 pages):** The Research Plan must not exceed 3 total pages; lengths listed below do not include references. Any figures or tables should be embedded within the PDF document, not included as separate pages.
 - a) Background, Specific Aims and Hypotheses
 - b) Research Strategy structured as follows:
 - i) Significance
 - ii) Innovation
 - iii) Approach
 - (1) Introduction and Feasibility
 - (2) Preliminary Studies (if any)
 - (3) Research Design, which should include
 - (a) Definition of primary outcome(s)
 - (b) A reproducible sample size calculation (power analysis)
 - (c) Specific techniques, animal species, data sources etc. that will be used.
 - (d) Types of studies to be done, including any considerations to ensure experimental rigor
 - (e) Planned methods for statistical analysis.
 - (f) Potential problems and limitations, and how they will be addressed.
 - c) References (1 page): References will not be counted towards the maximum of 3 pages for the Research Plan.
 - 4) **Budget and Budget Justification (1 page):** The budget should outline all proposed expenditures for the project and indicate the amount and breakdown for specific items requested, and, if applicable, the amount and breakdown for specific items provided by matching funds.
 - a) The budget may include salary support for technicians, research nurses, and other research personnel, equipment, and/or supplies.
 - b) Include a brief description of projected costs for different components of the budget, i.e. supplies, animal costs, equipment, salary support.
 - c) Travel expenses are not allowed.
 - d) Overhead costs do not need to be requested as part of the budget.
 - e) No part of the grant may be used for patient costs (except to pay for pertinent laboratory costs), consultant costs, alterations, and renovations.
 - 5) **Collaboration plan (1 page):** Describes the goals and objectives of the collaboration and how this support will be the basis for future fruitful collaborations leading to joint manuscripts and funding. A clear and accomplishable path toward further grant funding should be described. Also, the multi-PI leadership should be addressed (<https://www.niaid.nih.gov/grants-contracts/tips-writing-strong-multiple-pi-leadership-plan>)
 - 6) **Letter(s) of support from all co-investigators (as applicable).**
 - 7) **Curriculum Vitae of the two PIs** (preferably in 5-page NIH biosketch format)

PROPOSAL COVER SHEET
Starter Grant

Name: _____ **E-mail Address:** _____

Proposal Title:

Keywords:

Principal Investigator A:
Principal Investigator B:

Collaborators:

Other support available for, or likely to be committed to, this project (including funding source, amount, and how it will be used).

This project involves **human subjects** **animals.** **Note:** if either human subjects or animal subjects are involved, appropriate IRB or IUCAC approvals must be obtained prior to release of any funds for the project.

I acknowledge that I have read the guidelines, understand the terms and conditions of the grant for which I am applying, and agree to comply with those terms and conditions.

Applicant Signature

Date

PROPOSAL CHECKLIST
Starter Grant

- Cover Sheet- signed by applicant**
- Research Plan (3 page limit)**
- Budget (1 page)**
- List of References (1 page limit)**
- Collaboration plan (1 page limit)**
- Letter(s) of recommendation**
- Curriculum Vitae of the PIs (preferably in 5-page NIH biosketch format)**

The proposal should be submitted in no smaller than 12 pt. font, 1.25 line spaced with 0.8" margins. Figures and tables should be embedded in the document. Proposals missing any item or not following the proposal format will be returned.