

## CIDI Submission Guidelines

The goals of CIDI supported research are to advance our understanding of biological systems, to improve the control of disease, and to enhance health in infectious diseases through the exploitation of molecular imaging. Proposed research should have a substantial impact on the pursuit of these goals. Scientific impact will have a major influence on the CIDI evaluation score but work that is essential to move the field forward, though not innovative, will also be considered important.

CIDI is interested in receiving proposals for initial proof of concept as well as larger investigations. A clear case must be made for how this would advance knowledge, diagnosis and/or treatment, novelty of the theory, methodology, and/or expected findings. You are welcome to informally receive guidance on the suitability of your proposal with CIDI's Deputy Director (Daniel.Mollura@NIH.gov) before submission.

The study PI must be an NIH intramural investigator. Applications for CIDI support will be considered on a rolling basis. For all projects that receive CIDI support, a brief annual report and final study report must be submitted to CIDI.

### **Initial Concept Submission:**

The initial concept must be submitted electronically. It must not exceed one page of 11 point font. Specify whether the protocol will involve patients (IRB approved or not yet), animals (ACUC approved or not) or neither.

Initial Concept Submission Must Include:

1. Research Idea
2. Method
3. Co-Investigators
4. Previous NIH Approvals (IRB, SRC and/or ACUC) for this work
5. Estimated Budget

### **Full Application Submission:**

The full application may be submitted after the initial concept is approved by the CIDI SC. It shall not exceed four pages and shall have a maximum of 10 references. CIDI anticipates allocating \$200,000 for 4-6 projects in FY12. The submitted budget should be primarily for supplies, materials and services not readily available to the research team. No personnel support will be provided. Small equipment items will require extraordinary justification and will not be ordinarily approved. CIDI can provide a number of imaging services at no cost for meritorious projects. Examples include:

- CT and MRI scans
- Radiographs
- Qualitative image interpretation (diagnostic and severity assessment)
- Quantitative image formatting (DICOM file reconstructions, etc)
- Quantitative image analysis (extracting quantitative data from images for statistical analyses)
- Quality Control assessment with consultation for quality improvements
- Consultation/collaboration to design imaging protocol for targeted hypothesis testing

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The following is derived from the NIH Guidelines for review of extramural grant submissions. Additional information can be found at: <http://grants.nih.gov/grants/guide/notice-files/NOT-OD-05-002.html>

Your full proposal must contain the following sections, which the CIDI SC will evaluate according to criteria described below:

**1. Significance.** What do you propose to do? Does this study address a knowledge deficiency? If the aims are achieved, how will scientific knowledge or clinical practice be advanced? What will be the effect of these studies on the concepts, methods, technologies, treatments, services, or preventative interventions that inform this field?

**2. Approach.** How will you carry out the proposed research investigation? Are the conceptual or clinical framework, design, methods, and analyses adequately developed, well integrated, well reasoned, and appropriate to the aims of the project? Does the applicant acknowledge potential problem areas and consider alternative tactics?

**3. Previous Progress and Background.** What have you done so far on this work? Is this work already part of an NIH protocol (if so, please attach the protocol document to your application). Has your concept been presented to an NIH Scientific Review Committee and an NIH IRB or ACUC? Please describe the status of these reviews and any changes to the project's objective, method and strategy.

**4. Related research.** What current research is related to this protocol? Why is additional support required to complete your project? Please attach to your submission the protocol to which this project is linked.

**5. Innovation.** Is the project original and innovative? For example: Does the project challenge existing paradigms or clinical practice; address an innovative hypothesis or critical barrier to progress in the field? Does the project develop or employ novel concepts, approaches, methodologies, tools, or technologies for this area?

**6. Investigators.** Who will carry out the study? Are the investigators appropriately trained and well suited to carry out this work? Is the work proposed appropriate to the experience level of the principal investigator and other researchers? Does the investigative team bring complementary and integrated expertise to the project (if applicable)?

**7. Environment.** Does the scientific environment in which the work will be done contribute to the probability of success? Do the proposed studies benefit from unique features of the scientific environment, or subject populations, or employ useful collaborative arrangements?

**8. Budget:** Include itemized budget with your proposal showing how the resources will be used to carry out your objectives. Are the proposed budget and requested period of

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support reasonable? Scientific priority assessment will not ordinarily be affected by the evaluation of the budget.