Full Proposal

Selected “I-Corps @ ARPA-E” Teams

|  |  |
| --- | --- |
| **Project Title:** |  |
| **Lead Organization:** |  |
| **Principal Investigator:** |  |
| **Entrepreneurial Lead:** |  |
| **Mentor:** |  |
| **Target NSF Cohort Date:** |  |

Part I: Project Summary

1.  Intellectual Merits: *please address the intellectual merits of the proposed technology; no proprietary information should be included in the summary (200 words or less).*

2.  Broader Impacts: *please provide information on how the innovation will enhance scientific and technological understanding.  Also describe the potential societal and commercial impact of the project. (200 words or less)*

3.  List of “Key” Words: *The key words/phrases should identify the areas of technical expertise in science, engineering, or education which are to be invoked in reviewing the proposal; and the areas of application that are the initial target of the technology.*

Part II. Project Description

The project description is **limited to 5 pages**.  The following information should be provided in the project description:

**1.  I-Corps Team (*two page limit)***

a. Briefly describe the I-Corps team and provide rationale for its formation, focusing on members' entrepreneurial expertise and relevance to the innovation effort, and members' experience in collaborating on previous projects.

**2.  Lineage of the Proposed Innovation *(one page limit)***

a. Briefly describe how this research has led the team to believe that a commercial opportunity exists for the effort moving forward.

**3**.  **Description of the Potential Commercial Impact *(one page limit)***

a. Provide a brief profile of a typical customer of the proposed innovation.

b. Describe the customer need that you believe will be met by the proposed innovation.

c. Describe how the customer currently meets those needs.

d. Your approach - What is the proposed innovation?  How does it relate to the fundamental research already conducted under previous award(s)?

e. How much do you think a customer would pay for your solution?

**4.  Brief description of the project plan *(one page limit)***

a.Current Status - In what stage is the development: proof-of-principle, proof-of-concept, prototype (alpha, beta), etc...

b. Provide a brief description of the proof-of-concept or technology demonstration that will be provided at the end of the project.

Part III. References Cited

Provide a comprehensive listing of relevant reference sources, including patent citations.

Part IV. Biographical sketches

A biographical sketch for each team member (two pages maximum per team member) must be provided, highlighting technical expertise and track records in successful technology and business development. Exhaustive academic resumes are not appropriate.

Part V. Budget Justification

Funding for the I-Corps Team Program is $50,000 per award. Recovery of indirect costs (F&A) shall be limited to $5,000. **Selected “I-Corps @ ARPA-E” teams should first consult with both their respective institutional and ARPA-E programmatic points of contact for availability of funds in existing Technology Transfer & Outreach (TT&O) budget to either partially or fully fund their participation in I-Corps.**

Complete the I-Corps proposed budget by providing a table below with the following:

-Include the $45,000 for other direct costs;  
-Include $5,000 for indirect costs

The total amount of the request must not exceed $50,000.

Within the award amount of $50,000, funds must be set aside for up to three persons (the Entrepreneurial Lead, the I-Corps Teams Mentor, and the PI) for mandatory attendance at:

-Entrepreneurial Immersion Workshop followed, approximately six weeks later, by:  
-A Two-Day Demo Presentation Workshop.

Proposers should estimate travel expenses for these two events plus approximately **$1,500 per person to cover workshop registration fees**. Note that I-Corps related expenses should be clearly denoted and invoiced separately when submitted.

Once submitted and approved, ARPA-E will proceed with the appropriate contract modification on a team-by-team basis to ensure availability of funds. Note that contract modifications due to I-Corps participation do not affect cost-share requirements.