**RI2 Application - Format for Submission**

RI2 proposals should be a maximum of 4 pages long (page limit excludes the title page, lay abstract, budget, and citations) and must contain and answer the following questions:

1. Title page
   * Project title, Caltech PI name, budget requested
2. Lay abstract
   * Please include a very brief, non-confidential, non-technical (lay) summary of your technology and its practical use/commercial application
   * Note this will not be released to the public but may be shared with prospective donors to the institute, ~150-250 words.
3. What is the ultimate product or service?
   * If your RI2 proposal is successful and you start a company or the technology is licensed, what is the product? What would be sold?
   * Example: Cancer therapeutic; imaging chip for cell phones
4. What is the commercialization path? What milestones must be completed in order for your technology to become a product or service?
   * Example: Step 1) in vitro studies, 2) in vivo studies, 3) animal studies/pre-clinical, 4) human trials
5. Which of the above milestones do you intend to achieve using your RI2 funds?
   * Example: Milestone 1: complete in vitro studies, Milestone 2: complete in vivo studies in one animal model
6. What is the unmet need in the marketplace? What are the current competing technologies? What is the advantage over the competition?
   * Example: Current gene sequencer takes 2 hours, but ours can be completed in 5 minutes
7. In addition to the advantages cited above, will your technology have a cost advantage or at least be competitive with the market?
8. Can you manufacture your technology on a mass scale? What are hurdles to scalability?
   * We understand that this may be very difficult to predict for some technologies, speculate as best you can
   * Example: Feasibility to manufacture 1mg of a chemical versus 1kg
9. What is the funding status for this project?
   * How much funding has your lab received for this project and from what sources?
   * Example: 250K from the DOD; 500K from the Parkinson’s Foundation
10. What is the current IP status of your project?
    * Example: 4 provisional applications filed and 1 issued patent
11. As best you can, please provide a rough estimate of the market size.
    * Example: The US non-small-cell lung cancer drug market is currently estimated at 35 billion, it is expected to double by 2016; all cell phone manufacturers
12. A succinct annual budget

* List direct costs only, up to $125K. A second year projection can be included for a total of $250k direct costs; second year of funding is not guaranteed and will be evaluated the following along with new proposals