

RI² Application 2025
Deadline - Friday May 2nd @5pm

Format for Submission

RI² proposals should be a maximum of 4 pages long and must contain and answer the below questions. The page limit excludes title/lay abstract page, budget page, and citations. It is acceptable to embed figures and figure legends in the proposal.

Page 1: Title and abstract page

- Project title
- Caltech PI name
- budget requested
- brief, non-confidential, non-technical (lay) summary of your technology and its practical use/commercial application which may be shared with prospective donors to the institute, ~150-250 words.

Pages 2-5: technology summary, commercial application, project status

- a) What is technology, and 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
- b) 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
- c) 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
- d) 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
- e) In addition to the advantages cited above, will your technology have a cost advantage or at least be competitive with the market?
- f) 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
- g) 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

- h) What is the current IP status of your project?
 - Example: 4 provisional applications filed and 1 issued patent
- i) As best you can, please provide an estimate of the market size.
 - Example: The US non-small-cell lung cancer drug market is currently estimated at \$35 billion and expected to double in the next five years
 - all cell phone manufacturers

Page 6: A succinct annual budget

- List direct costs only, up to \$125K
- budget must include faculty effort at an amount equal to 10% of the total budget request (salary+benefits) and tuition remission and staff benefits if applicable
- DAF approval required and should be included in proposal submission
- A second year funding projection can be included for a total of \$250k direct costs; renewals are not guaranteed and YR2 proposals are evaluated competitively with new proposals

Page 7: citations

- Ok to include citations as needed, no limit

Submission Instructions:

- Email your application and DAF as **two separate PDFs** to:
RI2_202.npz76wlx33mzdsge@u.box.com
- Name your attached PDF files as follows:
 - Faculty Last Name_RI2 2025
 - Faculty Last Name_RI2 2025_DAF

Your proposal will be uploaded to Box and you will receive a confirmation email from Box. If you do not receive a confirmation email after 24 hours, please contact us directly at RI2@caltech.edu with cc to casecortese@caltech.edu and re-attach the proposal PDF.

If you have any questions, please contact us at RI2@caltech.edu