**Project Title**

Industry Partner(s): PI Name/Contact Information

ChemCatBio National Lab(s): PI Name/Contact Information

1. **(35%) Phase I Outcomes (~1.5 pages)**

*Describe the scope and outcomes of the prior Phase I Directed Funding Opportunity (DFO) project. Describe the level of engagement of the industry partner(s) throughout the entirety of the Phase I project.*

1. **(35%) Phase II Project Description (~1.5 pages)**

*Describe why a Phase II DFO is needed. How does Phase II build on the outcomes from Phase I? What is the scope of the problem and the impact of the proposed solution for the Phase II project?* *Describe the Phase II DFO research approach and how it leverages ChemCatBio capabilities, resources, and expertise.*

1. **(20%) Impact of Proposed Research on ChemCatBio, U.S. Department of Energy (DOE) Bioenergy Technologies Office (BETO), and the Bioeconomy (~0.75 page)**

*Describe the potential impact of the project’s success on supporting and achieving ChemCatBio and BETO goals, as well as on enabling the development and deployment of biofuels and bioproducts.*

1. **(10%) Key Personnel and Resources, Requested Budget, Milestones, and Appropriateness of Government Funding (~0.75 page not including tables)**

*Describe the project team’s unique qualifications both in terms of expertise and facilities/equipment. Provide start and end dates for the project, funding requests per fiscal year, and a list of annual milestones over the project period in the tables provided. Describe the relevance/significance of the annual milestones. Provide justification for why government investment is required for the proposed project.*

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| --- | --- | --- | --- |
| **Requested Budget Table** | | | |
|  | **FY20** | **FY21**  **(if applicable)** | **FY22**  **(if applicable)** |
| **DOE Funding to ChemCatBio Resources** | $*K* | $*K* | *$K* |
| **Industry Cost Share (cash or in-kind)** | $*K* | $*K* | *$K* |

|  |  |
| --- | --- |
| **Milestone Table** | |
| **Milestone Description** | **Due Date** |
| *End-of-Year 1 SMART Milestone* |  |
| *End-of-Project SMART Milestone* |  |