Feasibility document writing instructions and form for applicants to NSF solicitation # 22-549, the NSF-DOE / Agile BioFoundry funding opportunity

Refer to the solicitation # 22-549 for comprehensive application instructions. This form provides guidelines for the applicant, in order to describe the proposed research, which is to be carried out with ABF resources. ABF staff will use this document to evaluate the feasibility of the proposed research.

There is a 4-page limit. Avoid inclusion of proprietary information. Use the margins and typeface provided here. Adjust document structure, such as indentations, as needed. Download this template as a word document. Delete instructions in blue text before submitting your document to [info@agilebiofoundry.org](mailto:info@agilebiofoundry.org).

Title

Applicant name, Organization

1. Scope (2 pages maximum)

The ABF focuses on synthetic biology of industrially relevant bacteria and yeast species, not plant or mammalian cell genetics or cell culture or biomedical applications. The ABF and DOE BETO address research challenges for the production of sustainable aviation fuel (SAF) and decarbonization of industry. Review [recent ABF projects](https://agilebiofoundry.org/news/) for further information.

* 1. Overview
  2. Aims of the project
     1. Aim 1
     2. Aim 2…
  3. Expected outcomes
  4. Alignment of the project with NSF and DOE BETO priorities

1. ABF resources ([website here](https://agilebiofoundry.org/capabilities/)) to be used for this project (2 pages maximum)
   1. Description of capabilities to be used   
      Provide breakdown for each ABF national laboratory.
   2. Approximate timetable of ABF-focused research   
      Use the table below for an approximate schedule of tasks and capabilities. The first row provides an example.

|  |  |  |
| --- | --- | --- |
| Aims | Quarter Due | List of ABF Capabilities |
| Aim 1…  Outcome 1… | Q1 | DNA design  Computational protein design |
|  |  |  |
|  |  |  |
|  |  |  |

* 1. Additional supporting information including references