**Scaffold Proposal Form**

The Chemistry Center for Combating Antibiotic Resistant Bacteria (CC4CARB) is a NIH NIAID lead initiative. CC4CARB is an innovative chemistry center focused on the synthesis and delivery of rationally designed focused libraries to the scientific community for use in Gram-negative antibacterial drug discovery programs. The ultimate objective of CC4CARB is to create a large collection of chemical matter specifically targeting Gram-negative antimicrobial drug discovery. Your input is a valuable component in the CC4CARB program, and your time and consideration are appreciated.

**Section 1. Contact Information**

*(The contact information must be fully completed.)*

|  |  |
| --- | --- |
| First Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Organization \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Last Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Address\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Email \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Phone No \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | City \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | State \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
|  | Zip/Postal Code\_\_\_\_\_\_\_\_\_\_ | Country\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

**Section 2. Scaffold Proposal**

*(This section must be fully completed and be concisely written to support why the scaffold should be considered for inclusion into the CC4CARB library.)*

1. **Scaffold Description and Library Goal:***Provide a short description of the scaffold being proposed and the rationale/goals for making a library.  A sketch or ChemDraw of your proposed scaffold molecular structure is required. Please indicate the source of the scaffold and/or idea (literature, lab finding, screening hit, etc.), including literature references if the idea came from the literature.*
2. **Rationale for Inclusion:***Relay a rationale (10,000 words or less) with references of why your proposed scaffold is potentially effective against antibiotic resistant bacteria (Gram-negative bacteria preferred). Innovation and novelty will be prioritized if accepted.*
3. **Antimicrobial Testing:***Provide a short description of proposed or potential antimicrobial experiments, including key microbes if known. Testing can include related assays such as Gram-negative penetration or use as adjuvants with other antimicrobials (efflux pump inhibition, membrane penetration disruption, etc.).*
4. **Known analogs (optional):***If known, please include a description of the existing medicinal chemistry around or involving the scaffold, including key references. This could include applications outside of antimicrobial research. Also, if available, please provide results of any other in vitro assays (e.g., cytotoxicity, hERG, ppb, AMES, etc.) performed on analogs of the proposed scaffold.*
5. **Library Design (optional):***Provide a short description of any library design concepts based on the scaffold.  A sketch or ChemDraw of a library schematic, with points of diversity (R1, R2, R3) is welcome. Library design is not required.  CC4CARB chemists will actively consult with each submitter to design an Individual Library Production Plan (ILPP) for the scaffold if accepted.*

**Section 3. Additional Documents**

Please include:

* CV or NIH biosketch
* PDFs of key references (if available)
* Synthetic Scheme (if available)

**Section 4. Project Support Survey**

(*This section is optional. However, please support our objective and provide the contact information for colleagues that may be interested in participating in CC4CARB.)*

1. Relay colleagues that may be interested in participating in the CC4CARB.

|  |  |
| --- | --- |
| **Colleague No 1** | **Colleague No 2** |
| First Name:  | First Name:  |
| Last Name:  | Last Name:  |
| Email address:  | Email address:  |
| Phone No.:  | Phone No.:  |
| Institution:  | Institution:  |

2. How did you learn about the CC4CARB project?

**Disclaimers**

* Scaffold proposals submitted to CC4CARB either via email or through the electronic form will be confidential; however, compounds synthesized from accepted proposals will be made public as part of the Collection.
* RTI may delay public disclosure of the chemical structures and associated data upon request from the PI for up to 18 months. This “embargo” period shall apply equally and simultaneously to all compounds in the ILPP to which the embargo applies. See FAQs for additional details.
* A CC4CARB representative may be in contact if additional information is needed for a submitted scaffold proposal to facilitate its review through the Scientific Advisory Board.
* There is no compensation for the preparation of scaffold proposals submitted to CC4CARB; however, up to $1500.00 USD are available for the applicant’s time when reviewing the ILPP associated with their scaffold.
* No basis for claims against the United States Government shall arise because of a response to this project or from the Government's use of such information. A scaffold proposal or compound request form submitted through the CC4CARB portal will be accessed and reviewed by a Scientific Advisory Board, NIH NIAID, and RTI staff.
* Information submitted through this portal will be stored on a secure RTI server, and to the extent required under the Freedom of Information Act (FOIA), the submitted information may be subject to public disclosure.