Global One Health Academy
Call for Proposals: GCAP-AMR Seed Grants

The Global One Health Academy is launching a new initiative - the Grand Challenges Addressing Program (GCAP) - to address wicked problems that demand an interdisciplinary approach. GCAPs will allow us to harness the full spectrum of expertise that NC State offers, with the goal of facilitating innovation, generating transformative solutions, securing extramural funding, and establishing powerful partnerships to address a critical societal issue. Our first GCAP is targeting the silent pandemic of antimicrobial resistance (AMR) at the human-animal-plant-environment interface. To accelerate knowledge advancement in this area, **the Global One Health Academy is investing $100,000 to support seed grant opportunities for interdisciplinary AMR research.**

Award information:

There are two awards available through this call: **Launch Projects** and **Pilot Projects**.

Launch Projects will be supported up to $50,000.

> Launch Projects are intended to be projects that will lead to external grant submission within a short time window. Proposals for existing projects that have preliminary data and/or are at a more advanced stage are welcome for this award, although incorporation of new partners or research directions that enhance One Health and interdisciplinary perspectives are strongly encouraged.

> It is anticipated that 1-2 awards will be made at this level, depending on the amount requested for individual competitive proposals. Total research funds available for Launch Projects are $50,000.

> In addition to research funds, the selected proposal(s) will each receive $500 toward food and logistical support in organizing space and food for team working group meetings throughout the year. GOHA will also work to secure grant preparation support for the awarded team(s) through the Proposal Development Unit.

Pilot Projects will be supported up to $15,000.

> Pilot Projects are intended to be projects involving new collaborations and/or new research directions. Proposals from early career faculty and exploratory projects are especially encouraged for this award.

> It is anticipated that 3-4 awards will be made at this level, depending on the quality and number of proposals received, as well as the amount requested for individual competitive proposals. Total research funds available for Pilot Projects are $50,000.

> In addition to research funds, the selected proposals will receive funds toward food and logistical support in organizing space and food for team working group meetings throughout the year. Total available food funds are $500; this will be divided evenly among the awarded proposals at this level.

Eligibility:

We welcome proposals from NC State faculty from any disciplinary background. It is required that proposals be collaborative and interdisciplinary, with **at least two colleges** represented amongst the research team*. All proposals must include at least one PI that is a [GOHA Affiliate Member](#).

Proposed projects can be focused on any research topic related to antimicrobial resistance. Competitive proposals will bring strong interdisciplinary perspectives to the research question and will clearly demonstrate the use of a One Health approach (i.e., acknowledges the interconnectedness of human, animal, plant, and environmental health, and investigates a question at the intersection of multiple of these domains).

For Launch Projects, it is expected that projects supported by this funding opportunity will lead to external grant submission within 1 year of the project end date. PIs are required to identify the external funding call that they intend to submit to as part of the seed grant application process.

*If you are interested in this call but do not have a collaborator from another college, please feel free to contact Sid Thakur (sthakur@ncsu.edu) or Meredith Spence Beaulieu (spencebeaulieu@ncsu.edu) to discuss your idea. We can suggest potential partners.

General activities supported by GCAP-AMR Seed Grants:

GOHA invites applicants to submit proposals for a variety of activities that support interdisciplinary AMR research. We welcome research proposals stemming from all disciplines, including the natural sciences, veterinary medicine, engineering, social sciences, education, and policy. For both award types, project activities may include, but are not limited to:

- Collection and analysis of data
- Hiring a common graduate or undergraduate student
- Organizing and holding research-focused workshops, seminars, or symposia[†]
- Working groups that support idea generation, white papers, or review articles[†]

While the project activities are flexible, all proposals should be research-based and **Launch Project proposals must lead to an external grant submission** within 1 year of the project end date.

[†]Note that food is generally not an allowable expense from the $50,000 or $15,000 research funds for Launch Projects and Pilot Projects, respectively. Travel per diem is an exception that is allowable. Other workshop or working group expenses, such as venue fees or speaker travel, are allowable. Please contact Meredith Spence Beaulieu (spencebeaulieu@ncsu.edu) if you have questions about allowable expenses.

Timeline:

For Launch Projects, interested teams should submit a 1 page letter of intent (details below) by Wednesday, August 7th, 2024. Based on the letters of intent, a number of teams will be invited to submit a full proposal (full details to be announced, but will not exceed 5 pages excluding references). The deadline for the full proposal will be Friday, August 30th, 2024.

For Pilot Projects, interested teams should submit the full proposal (details below) by Friday, August 30th, 2024.

For both awards, decisions are anticipated in early September, with an immediate award start date. The submitting PI will be notified of the award status, and awarded proposals will receive instructions for the transfer of funds. It is the responsibility of the PI to notify departmental accounting personnel and request a transfer upon award notification. PINS records will be generated upon award notification. **All awarded funds must be spent by June 30th, 2025.**

The PI will be required to submit two post-award reports on the outcomes of the seed grant. We will send a reporting form at the end of the award period to collect short-term outcomes, and another reporting form 1 year after the conclusion of the award period to capture longer-term outcomes.

Proposal Content:

Proposals will be reviewed by faculty members from diverse disciplinary backgrounds, so should be written for a broad audience spanning the natural sciences, social sciences, and humanities.

Launch Projects:

Letters of intent are limited to ONE (1) page excluding references and must include:

1. <u>Project title.</u>
2. <u>PI information.</u> Names and college/unit affiliations of all PIs.
3. <u>Project description.</u> Briefly describe:
    a. Specific goals/objectives
    b. Background and significance of the problem
    c. The research, education, or engagement effort that will be pursued with the funds
    d. The interdisciplinary perspectives and One Health alignment of the proposed work
4. <u>Anticipated budget request.</u> A budget justification is not required at this stage, but please list your total anticipated budgetary needs.
5. <u>Target external RFA.</u> Please identify the external funding call that you intend to submit to as a result of this work.
6. <u>References cited.</u>

The letter of intent and references should be submitted as a single PDF. Letters exceeding the 1-page limit (excluding references) will be returned without review.

Pilot Projects:

Proposals must include:

1. <u>Cover page.</u> Include title, names and affiliations of PIs, abstract (max 250 words), and total budget request.
2. <u>Project description.</u> Up to THREE (3) pages of text maximum describing the project. Project description should include the following:
    a. Specific goals/objectives
    b. Background and significance of the problem
    c. Approach/research design
    d. The interdisciplinary perspectives and One Health alignment of the proposed work
    e. Future directions/plans for future support
3. <u>References Cited.</u> No page limit.
4. <u>Budget and Justification.</u> Limit ONE (1) page. Budgets may include all normally allowed costs of research, except faculty salaries and indirect costs.
5. <u>Biosketches for all PIs.</u> Limit ONE (1) page for each PI.
6. *(optional)* Letter(s) of support may be included as necessary. Limit ONE (1) page each.

All components should be combined into a single PDF for submission. Proposals exceeding page limitations for any component will be returned without review.

Submission Instructions and Deadline:

For Launch Projects, letters of intent must be submitted here **by 11:59pm on Wednesday, August 7th, 2024.** Note that all proposals must include at least one PI that is a GOHA Affiliate Member. This requirement can be completed in conjunction with proposal submission by filling out this form. New Affiliate Member applications must be received prior to the submission deadline of 11:59pm on Wednesday, August 7th, 2024.

For Pilot Projects, proposals must be submitted here **by 11:59pm on Friday, August 30th, 2024.** Note that all proposals must include at least one PI that is a GOHA Affiliate Member. This requirement can be completed in conjunction with proposal submission by filling out this form. New Affiliate Member applications must be received prior to the submission deadline of 11:59pm on Friday, August 30th, 2024.

Please contact Meredith Spence Beaulieu (spencebeaulieu@ncsu.edu) with any questions.