



Call for Letters of Intent

The International Consortium for Antimicrobial Stewardship in Agriculture (ICASA) - Technologies Working Group is issuing a call for Letters of Intent (LOI) to solicit research concepts for potential funding and collaboration. [ICASA](#) is one of the largest public-private partnerships focusing on antibiotic stewardship in animal agriculture and has committed to investing in research to accelerate innovation and antibiotic stewardship across the livestock supply chain. ICASA members work collaboratively to improve the health and welfare of beef cattle, pigs, and poultry through the development of practical solutions, including advanced tools and management practices, to address the underlying drivers of antibiotic use in livestock. By leveraging knowledge and resources from diverse organizations, ICASA will advance stewardship and improve health outcomes for livestock.

ICASA Participants are seeking novel and potentially high-impact projects related to antibiotic stewardship and animal health, that can be conducted in collaboration with commercial livestock producers and processors. There is strong interest in early-stage technologies that may yield new types of data beyond what is currently available via existing technologies, as well as technologies closer to market that would benefit from research in commercial livestock production settings.

Specifically, the Technologies Working Group seeks LOIs that seek to develop, improve and/or validate:

- Animal health monitoring technologies
- Rapid in-field, pen-side or animal-side diagnostic tools

Concepts must be relevant to beef cattle, pigs and/or poultry. Projects with potential for cross-species application are highly encouraged. Applicants should describe how their work will improve antimicrobial stewardship in animal production, reduce the potential for resistance and/or provide actionable information to antimicrobial-prescribers.

The Technologies Working Group will consider a range of requests for funding and/or access to commercial production facilities and is establishing a maximum allowable request of \$250,000 cash and/or access to commercial livestock production facilities. Requests should be reasonable and appropriate for the work proposed, and applicants should be cognizant that the project must provide value to and potential for eventual implementation by the commercial livestock sector for production or research purposes. Additional financial contributions from organizations outside ICASA are encouraged.

All LOIs must be submitted electronically. Please access the LOI submission portal [here](#).

Letter of Intent Form

1. Letter of Intent (LOI) Title Page

Letter of Intent Due: February 26, 2020, 5:00 PM Eastern Time



- Project Title (Up to 20 Words) * *Provide a short title that captures the essence and communicates the importance of the proposed project to a lay reader.*
- Research Area (Select One)*
 - Development and/or validation of animal health monitoring tools
 - Development and/or validation of rapid in-field, pen-side or animal-side diagnostic tools
- Funding Request from ICASA (Cash)
- Opportunities for Collaboration with Commercial Livestock Producers/Processors [please describe]
- Potential Funding Contributions from Sources Outside ICASA (Optional, not required) [please describe in-kind or cash contribution, approximate financial value and source]
- Project Duration (in calendar months)
- Geographic Location(s) of Proposed Project

2. Letter of Intent (LOI)

Principal Investigator Information*

PI Full Name

Organization Affiliation

Expertise

Other than the Principal Investigator, how many key personnel will be involved in the proposed project?

The PI is the individual designated by the applicant, who is responsible for the scientific or technical direction of the project and have primary responsibility for the proposed work and reporting requirements. Key personnel are individuals who share the responsibility of the scientific or technical direction of the project or contribute to the intellectual design or execution of the project in a substantive, measurable way.

Please list the name(s), affiliation(s), expertise, and role on the proposed work in order of their importance to the project. *

Principal Investigator or Key Personnel's involvement in other Letters of Intent*

List the names of the key personnel who are involved in other LOIs for ICASA and the titles of the other proposed projects in this cycle.

Objectives and Relevance* (Up to 250 words)

What are the primary objectives of the proposed project? Please list (bullet point) up to 3 and for each bullet point, describe how the objective is relevant to the development and/or validation of animal health monitoring tools, or rapid, pen- or animal-side diagnostic tools.

Overview of Proposed Project* (up to 500 words)

The overview should be written in the third person and informative to others who work in the same or similar fields. It should clearly articulate how the proposed project will fill a gap in fundamental science or provide the basis for commercially-viable solutions. The ICASA Technologies Working Group is interested in early-stage technologies that may



yield new types of data beyond what is currently available via existing technologies, as well as technologies closer to market that would benefit from research in commercial livestock production settings.

Applications, Actionable Information, Impacts* (up to 250 words)

Describe (1) the potential applications for the technology, (2) other outputs and actionable information the project will generate, (3) the anticipated impacts on animal health and antimicrobial stewardship.

Proposal Evaluation Criteria

The rubric below will be used by the ICASA Executive Committee to evaluate all projects. Projects should have a duration no longer than 3 years and should have appropriate plans for managing any intellectual property that may be generated during the project.

	Approximate Weight
Potential for supply chain implementation/adoption	30%
Potential for high impact on antibiotic stewardship	20%
Likelihood for successful project completion / Identification & mitigation of risks	20%
Key personnel qualifications and research environment	10%
Novelty, innovation, originality of idea	10%
Leveraging partnerships	10%
Total	100%