



FACT SHEET

Animal Health- Agriculture and Food Research Initiative (AFRI)

Diseases of Agricultural Animals (A1221)

Ecology and Evolution of Infectious Diseases (EEID; A1222)

Tactical Sciences for Agricultural Biosecurity (A1181)

DISEASES OF AGRICULTURAL ANIMALS (A1221)

APPLICANT ELIGIBILITY

Refer to the [RFA](#) for more information on applicant eligibility.

PROJECT/GRANT TYPES

- Research projects only.
- Requested Grant Types: Standard, Collaborative, Conference, and FASE (Strengthening Standard, New Investigator, Strengthening Conference, Seed, Equipment, and Sabbatical) grants only.
- Conference Grants may be submitted at any time throughout the year.

PROGRAM AREA PURPOSE AND PRIORITIES

- Cellular, molecular, genomic/genetic, or whole-animal aspects of animal health and disease, with emphasis on maintaining healthy agricultural animals to ensure a safe and adequate food supply;
- Maintenance of homeostasis including innate immune responses;
- Disease prevention and control, including vaccines, reverse vaccinology, and breeding for resistance; and disease management and diagnostics (for endemic diseases only).
- Therapeutic interventions for disease reduction or treatment, including minor use animal drugs;
- Immune reagents for agricultural animals.
- Establishment of a “Research Coordination Network for Minor Use Drugs.”
- Opportunity to request \$800,000 for applications that includes specific types of partnerships.
 - Refer to the [RFA](#) for more information on eligibility requirements for partnerships.

PROGRAM AREA PRIORITY CONTACT

Dr. Tim Sullivan, (816) 527-5434 or timothy.sullivan@usda.gov

Dr. Kathe Bjork, (816) 591-7415 or kathe.e.bjork@usda.gov

ECOLOGY AND EVOLUTION OF INFECTIOUS DISEASES (EEID)

APPLICANT ELIGIBILITY

- Institutes of higher education (IHE; including community colleges).
- Non-profit, Non-academic organizations (independent museums, observatories, research labs).
- For-profit organizations.
- State and local governments (state educational offices or organizations and local school districts).

PROGRAM AREA PURPOSE AND PRIORITIES

Some research topics that welcome applications include (refer to the [RFA](#) for more information):

- Research on pathogens; climate; zoonotic, environmentally borne, vector-borne, or enteric pathogens of either terrestrial or aquatic systems and organisms; population dynamics and

NIFA invests in and advances agricultural research, education, and extension and seeks to make transformative discoveries that solve societal challenges.



genetics of reservoir species or hosts; ecological transmission and evolutionary dynamic interactions; and cultural, social, behavioral, and economic dimensions of pathogen transmission.

PROGRAM AREA PRIORITY CONTACT

- Dr. Tim Sullivan, (816) 527-5434 or timothy.sullivan@usda.gov

TACTICAL SCIENCES FOR AGRICULTURAL BIOSECURITY (A1181)

APPLICANT ELIGIBILITY

Refer to the [RFA](#) for more information about applicant eligibility.

PROJECT/ GRANT TYPES

- Projects may be Research, Extension, or Integrated Projects only.
- Requested Grant Types may include Standard, Conference, and FASE (Strengthening Standard, New Investigator, Strengthening Conference, Seed, Equipment, and Sabbatical) only.
- Conference Grants may be submitted at any time throughout the year.

PROGRAM AREA PURPOSE AND PRIORITIES

- Detection and diagnostics of transboundary and emerging pests and diseases associated with animal production systems and/or emerging, re-emerging, and invasive diseases, insects, and weeds associated with plant production systems.
- Rapid response to, and recovery from, pests and diseases that pose large-scale biosecurity threats to plant and animal production, including existing and imminent threats to U.S. agriculture.
- Projects focusing on specific pests and/or diseases will be restricted to transboundary and emerging pests and diseases associated with animal production systems and/or emerging, re-emerging, and invasive diseases, insects, and weeds associated with plant systems.
- Developing early-stage research methods to reduce the impact of pests and diseases that pose a biosecurity concern is encouraged.
- Activities associated with the commercialization of patented research should apply to the Small Business Innovation Research ([SBIR](#)) program.
- Proposals must include metrics to justify the project's importance to agricultural biosecurity and identify at least one significant impact that could result from the work being proposed.

PROGRAM AREA PRIORITY CONTACT

Dr. Amer Fayad, (816) 894-7228 or amer.fayad@usda.gov

Dr. Tim Sullivan, (816) 527-5434 or timothy.sullivan@usda.gov

OTHER INFORMATION

Foundational and Applied Science RFA: [AFRI - Foundational and Applied Science Program | NIFA](#)

For EEID, applications are submitted to [Grants.gov](https://www.grants.gov). For more information, visit [afri-interagency-programs](#).

CRIS Search for Previously Funded Awards: [Diseases of Agricultural Animals- A1221](#), [Ecology and Evolution of Infectious Diseases \(EEID\)](#), [Tactical Sciences for Agricultural Biosecurity \(A1181\)](#)

FREQUENTLY ASKED QUESTIONS

AFRI New Investigator FAQs: [AFRI Enhancement \(FASE\) Grants for New Investigators FAQs](#)

AFRI General FAQs: [AFRI Frequently Asked Questions \(FAQ\)](#)

AFRI FASE FAQs: [AFRI / FASE - Frequently Asked Questions](#)

NIFA invests in and advances agricultural research, education, and extension and seeks to make transformative discoveries that solve societal challenges.