



## FACT SHEET

# Agriculture and Food Research Initiative (AFRI) Animal Reproduction Program (A1211)

Agriculture and Food Research Initiative (AFRI) is the nation's leading competitive grants program for agricultural sciences. Within AFRI, the Animal Reproduction program can be found in the Foundational and Applied Science RFA in the Animal Health and Production and Animal Products priority area. This program is one of five sub priority areas that was created to address the Animal Health and Production and Animal Products Farm Bill priority. The Animal Reproduction program supports research projects that aim to improve reproductive efficiency and reproductive management in livestock, poultry, aquaculture, and equine. Knowledge gained from this research will lead to sustainable and economically viable practices that will increase production efficiency to help the U.S. contribute to global food production.

## IMPORTANT FACTS

- AFRI was established by Congress in the 2008 Farm Bill and re-authorized in the 2018 Farm Bill.
- Total funding for all Animal Health and Production and Animal Products programs in the Foundational and Applied Science RFA is approximately \$55 million for 2022.
- For FY 2022, standard, strengthening standard, and new investigator standard grants must not exceed \$650,000 (including indirect costs) for projects that last up to five years. Strengthening seed grants and new investigator seed grants are limited to \$300,000 (including indirect costs) for 2 years of support.
- For FY 2021, Animal Reproduction received 72 proposals and 19 were awarded for an overall success rate of 26%.
- Out of the 19 awards in 2021, three were new investigator awards, two were strengthening standard awards, and five were new investigator seed awards.

## APPLICANT ELIGIBILITY FOR ANIMAL REPRODUCTION

- Research projects only.
- Applications from, and collaborations with minority-serving institutions, small to midsized institutions, and/or institutions within the EPSCoR states are welcome in this program area.
- Requested Grant Types: Standard, Conference, and FASE (Strengthening Standard, New Investigator, Strengthening Conference, Seed, Equipment, and Sabbatical) grants only.

## PROGRAM AREA PURPOSE AND PRIORITIES

The program area priorities include cellular, molecular, genomic/genetic or whole-animal aspects of animal reproduction relevant to improving reproductive efficiency or enhancing reproductive management, especially focusing on:

- Hypothalamic-pituitary axis;
- Embryonic and fetal development (including interaction between the conceptus and its uterine environment);
- Microbiome of the reproductive tract;
- Gonadal function (including production, function, and preservation of gametes).

## PROGRAM AREA PRIORITY CONTACT

Dr. Mark Mirando, (202) 445-5575 or [mark.mirando@usda.gov](mailto:mark.mirando@usda.gov)

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



## OTHER INFORMATION

2021 Foundational and Applied Science RFA: [Agriculture and Food Research Initiative - Foundational and Applied Science Program | NIFA](#)

CRIS Search for Previously Funded Awards: [CRIS Search for Animal Reproduction- A1211](#)

## FREQUENTLY ASKED QUESTIONS

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

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

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

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