



National Institute of Food and Agriculture

U.S. DEPARTMENT OF AGRICULTURE

BIOENERGY, CLIMATE, AND ENVIRONMENT
FOOD PRODUCTION AND SUSTAINABILITY
YOUTH, FAMILY, AND COMMUNITY
FOOD SAFETY AND NUTRITION
INTERNATIONAL PROGRAMS

NIFA

AFRI Center of Excellence for Meat and Poultry Processing and Food Safety Research and Innovation – A1731

FY 2023

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Topics To Be Covered

- Program Staff
- NIFA Overview
- Program Overview
- Application Information and Resources
- Purpose and Priorities
- Application Details
- Application Evaluation Process
- Questions



Program Staff



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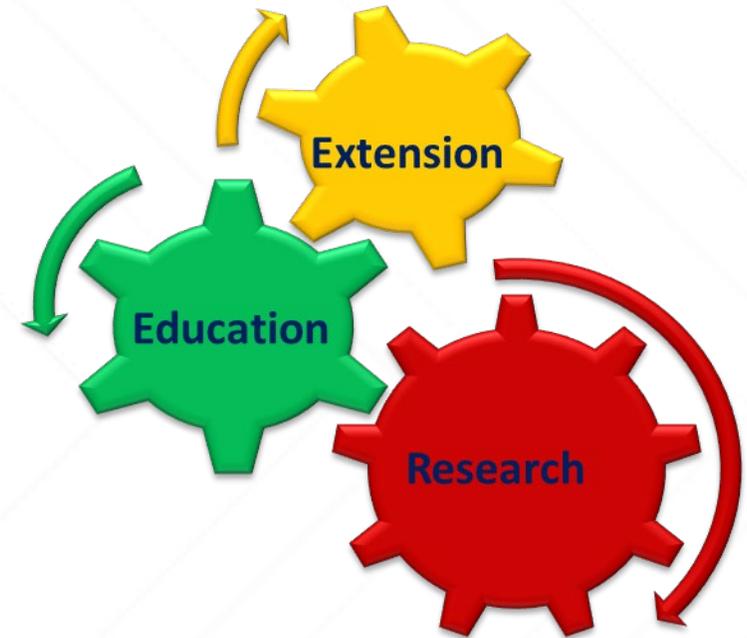
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Our Mission

- **Research** - Provide answers to complex societal issues
- **Education** - Support schools and universities in training the agricultural workforce
- **Extension** - Provide knowledge gained through research to agricultural workforce; theory to practice



Topics Covered by NIFA Programs



Advanced Technologies

Bioenergy; Biotechnology;
Nanotechnology



Animals

Animal Breeding; Animal Health;
Animal Production; Aquaculture



Business and Economy

Markets and Trade; Natural Resource
Economics; Small Business



Natural Resources

Forests; Grassland and Rangeland; Soil,
Water, and Air



Education

Minority Serving Institutions; Teaching
and Learning; Workforce Development



Environment

Climate Change; Ecosystems; Invasive
Pests and Diseases



Farming and Ranching

Agriculture Safety & Technology; Farmer
Education; Organic & Family Farms



Human Sciences

Community Vitality; Family Well-Being;
Youth



Food Science

Food Quality; Food Safety



Food and Nutrition Security

Nutrition; Obesity; Wellness



International

Global Engagement; Global
Food Security



Plants

Crop Production; Pest
Management; Plant
Breeding; Plant Health



Application Information and Resources

- RFA available at: www.nifa.usda.gov/grants/funding-opportunities/agriculture-food-research-initiative-foundational-applied-science (or google “NIFA AFRI RFA”)
- AFRI grant application resources: www.nifa.usda.gov/afri-request-applications-resources

Program Code:	A1731
Program Code Name:	Center of Excellence for Meat and Poultry Processing and Food Safety Research and Innovation (MPPFSRI)
Application Deadline:	Thursday, November 3, 2022 by 5 p.m. ET
Project Type:	Integrated (Research and Extension) Projects <u>only</u>
Grant Types:	Standard Grants and Strengthening Standard Grant <u>only</u>
Grant Duration:	48 months
Number of Awards:	1
Award Amount:	\$5 million

Purpose and Priorities

MPPFSRI program area priority incorporates:

- Basic and applied science, and engineering in meat and poultry processing and food safety-related disciplines to promote technological innovation and lower barriers to entry for the industry

MPPFSRI Objective:

- To support an innovative approach that promotes food safety and leads to lower barriers of entry via publicly accessible research and development

Purpose and Priorities

Research innovation may include, but is not limited to:

- Advanced manufacturing to develop scale-neutral technologies for large, medium or small processing plants
- Machine vision and robotic automation for remote worker control of equipment, increasing worker safety and food safety
- Use of robotics or imaging to obtain precision cuts of meat with higher value and minimize waste and trimming

Purpose and Priorities

Areas of extension may include, but are not limited to:

- Regional partnerships with regional processing industry, state and producer communities
- Technology transfer to fast-track innovation adoption by industry through public-private partnerships, SBIR-STTR programs and other effective programs
- Engagement with regional workforce development and technical assistance efforts to amplify impacts of technological innovations across regional meat and poultry processing facilities
- Transfer knowledge to ensure worker safety and food safety, as well as process efficiency

Application Details:

- All applications are required to include a **brief justification** at the end of their **Project Narratives** and within the 18-page limit provided for Project Narratives, describing how they meet the standards for a Center of Excellence, based on the criteria described for Centers of Excellence in Part IV § C of the RFA, as authorized in the 2014 Farm Bill.
- Applications must include a plan to share results across regions to increase research and innovation.

Application Details:

- All applications must include a logic model that:
 - 1) shows how program resources lead to resilient food supply chains, enhanced socio-economic opportunities, and/or thriving rural communities
 - 2) describes how participant and stakeholder feedback will be used to design and implement projects.
- All applications must include a management plan that clearly delineates the roles and responsibilities of each entity involved in the project.
- In ranking of the applications, the panel will consider regional balance and coverage of the diversity of meat and poultry processing industries.

Application Evaluation Process:

- After initial screening for compliance with RFA requirements, applications will be evaluated using NIFA's peer review process for competitive grant applications
 - see www.nifa.usda.gov/nifa-peer-review-process-competitive-grant-applications



MPPFSRI Deadline

November 3, 2022, by 5 p.m. ET

Application submission deadline (45 days after release of updated RFA)

Application materials are available at:

www.grants.gov



Non-Discrimination Statement

<https://www.usda.gov/non-discrimination-statement>

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Questions?

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