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

ANDP-CFSA Joint Meeting – Lincoln, NE

Suzanne Stluka, Ph.D., RDN, LN, Deputy Director, Institute of Food Safety & Nutrition
Steve Zeng, Ph.D., Division Director, Food Safety

October 26, 2022

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

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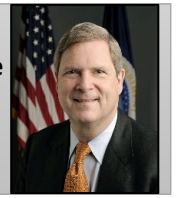
- USDA is an equal opportunity provider, employer and lender.

NIFA Update

- About NIFA
- About NIFA's Nutrition and Food Safety Priorities
- About NIFA's Funding
- About NIFA's Relevant RFAs & Assets
- QA & Discussion

Where Does NIFA Fit Within USDA?

U.S. Department of Agriculture
Tom Vilsack
Secretary



USDA Mission Areas & Agencies

Farm Production and Conservation (FPAC)	Food, Nutrition, and Consumer Sciences (FNS)	Food Safety (FSIS)	Marketing Regulatory Programs (MRP)	Natural Resources and Environment (FS)
• Farm Service Agency • Natural Resources Conservation Service • Risk Management Agency	• Food and Nutrition Service	• Food Safety and Inspection Service	• Agricultural Marketing Service • Animal and Plant Health Inspection Service	•Forest Service

Research, Education, and Economics (REE)	Rural Development (RD)	Trade and Foreign Agricultural Affairs (TFAA)
•Agricultural Research Service •Economic Research Service •National Agricultural Statistics Service •**National Institute of Food and Agriculture**	•Rural Business and Cooperative Service •Rural Housing Service •Rural Utilities Service	•Foreign Agricultural Service •Codex Alimentarius Commission

USDA Offices

- Inspector General
- General Counsel
- Chief Financial Officer
- Chief Economist
- Budget and Program Analysis
- Communications
- Partnerships and Public Engagement
- Tribal Relations
- Hearing and Appeals
- Chief Information Officer

FY 2022 USDA Priorities

- Addressing Climate Change via Climate-Smart Agriculture & Forestry
- Advancing Racial Justice, Equity and Opportunity
- Creating More and Better Market Opportunities
- Tackling Food and Nutrition Insecurity
- Making USDA a Great Place to Work for Everyone

NIFA Structure

Dionne Toombs
Acting Director, NIFA

Richard B. Elrod
Acting Associate Director for Programs and Operations

NIFA's Offices

Office of the Director

Dionne Toombs
Acting Director

- Budget
- Center for International Programs
- Communications
- Equal Opportunity
- Operations and Policy
- Planning, Accountability, & Reporting Staff (**PARS**)

Drenda Williams
ACTING SENIOR OPERATIONS AND POLICY OFFICER

Office of Grants and Financial Management

Matthew Faulkner
Deputy Director

- Awards Management
- Financial Management
- Policy and Oversight

NIFA's Institutes

Institute of Bioenergy, Climate, and Environment

Kevin Kephart
Deputy Director

Divisions:
- Bioenergy
- Climate Change
- Environmental Systems

Institute of Food Production and Sustainability

Deb Hamernik
Deputy Director

Divisions:
- Agricultural Systems
- Animal Systems
- Plant Systems-Production
- Plant Systems - Protection

Institute of Food Safety and Nutrition

Suzanne Stluka
Deputy Director

Divisions:
- Food Safety
- Nutrition

Institute of Youth, Family, and Community

Venu Kalavacharla
Deputy Director

Divisions:
- Community & Education
- Family & Consumer Sciences
- Youth and 4 - H

USDA National Institute of Food & Agriculture

- Leading federal agency providing extramural funding for food and agricultural sciences
- Created through the Food, Conservation, and Energy Act of 2008 Farm Bill.
- Mission: Invest in and advance agricultural research, education, and extension to solve societal challenges
- Vision: Catalyze transformative discoveries, education, and engagement to address agricultural challenges

NIFA Locations

Washington DC Headquarters

305-A Whitten Building
12th Street, SW, and Jefferson Drive
Washington, DC 20250

Kansas City Operations

805 Pennsylvania Avenue
Kansas City, MO 64105

Institutes within NIFA

Institute of Bioenergy, Climate, and Environment	Institute of Food Production and Sustainability	Institute of Food Safety and Nutrition	Institute of Youth, Family, and Community
• Division of Bioenergy • Division of Global Climate Change • Division of Environmental Systems	• Division of Agricultural Systems • Division of Animal Systems • Division of Plant Systems-Production • Division of Plant Systems-Protection	• Division of Food Safety • Division of Nutrition	• Division of Community Education • Division of Family and Consumer Sciences • Division of Youth & 4H

NIFA Invests in Three Types of Activities

Snapshot of the Land-Grant University System

https://nifa.usda.gov/land-grant-colleges-and-universities-partner-website-directory

NIFA's Cross Priority Approach

- **Address knowledge gaps & opportunities**
- **Spur innovation & accelerating change**
- **Empower individuals and communities**
- **Support synergies across diverse priorities**

Climate Change

Nutrition Security

Diversity, Equity, Inclusion & Accessibility (DEIA)

Market Opportunities Workforce Development

Institute of Food Safety and Nutrition (IFSN)

- $200 Mil total in IFSN for FY22
- Non-AFRI:
  - competitive (e.g., Food Safety Outreach Program)
  - Non-competitive funding programs (e.g., EFNEP)
- AFRI are NIFA's flagship competitive grants programs
  - $40.3 Mil in FY22

Types of NIFA Financial Assistance

Competitive Grants	Capacity and Infrastructure Grants
Awards for fundamental and applied research, extension, and education activities, as well as for projects that integrate research, education and extension functions	Agricultural research, extension, education, and related programs for which the Secretary has administrative or other authority as of the day before the date of enactment of the Food, Conservation, and Energy Act of 2008 as defined in section 251(f)(1)(C) of the Department of Agriculture Reorganization Act of 1994, 7 U.S.C. 6971(f)(1)(C)

https://nifa.usda.gov/sites/default/files/resource/NIFA-18-010-NIFA-Program-Listing-May-2018.pdf

Project and Grant Types

Project Types

- Research
- Education
- Extension
- Integrated

Grant Types

- Standard
- Strengthening
- Conference
- FASE

Competitive Grant Programs at NIFA

AFRI

Agriculture and Food Research Initiative (AFRI) - *NIFA's flagship competitive grants program*

3 programs / 49 funding opportunities

Non-AFRI

Institute of Bioenergy, Climate, and Environment

5 funding opportunities

Institute of Food Production and Sustainability

39 funding opportunities

Institute of Food Safety and Nutrition

6 funding opportunities

Institute of Youth, Family, and Community

49 funding opportunities

https://nifa.usda.gov/program/afri-food-safety-nutrition-and-health-program-area

AFRI Food Safety, Nutrition, and Health (FSNH) Programs

- A1332 Food Safety and Defense
- A1343 Food and Human Health
- A1344 Diet, Nutrition and the Prevention of Chronic Diseases
- A1364 Novel Foods and Innovative Manufacturing Technologies
- A1366 Mitigating Antimicrobial Resistance across the Food Chain
- A1511 Nanotechnology for Agricultural and Food Systems

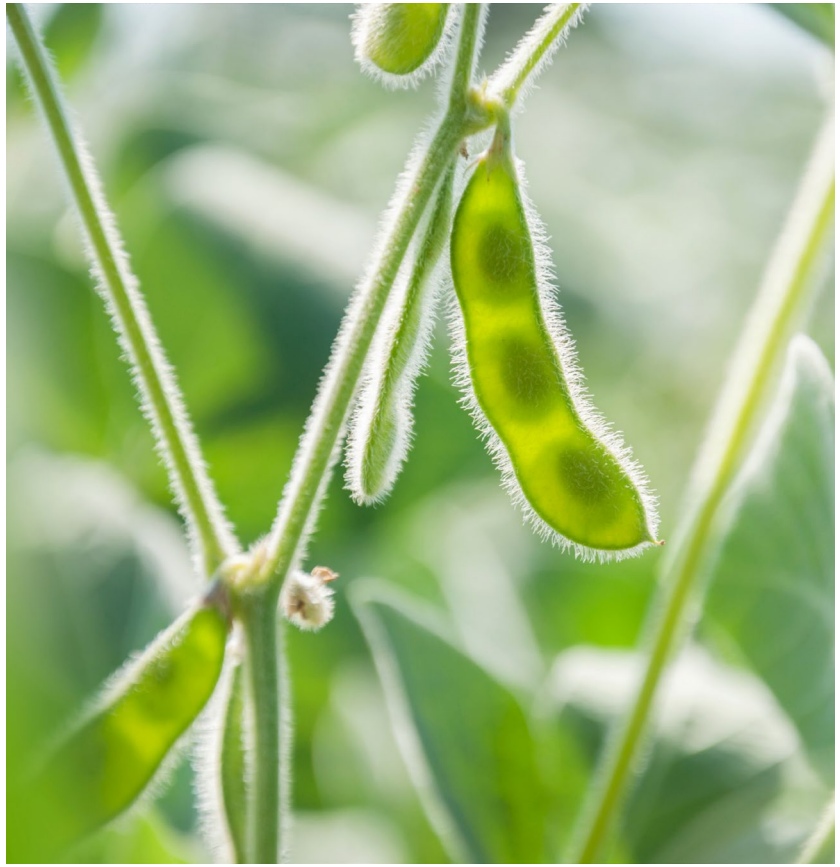
Food Safety and Defense

- **Program Area Priority Code:** A1332
- **Proposed Budget Requests:** Not to exceed **$650,000** total per project for project periods of 3-5 years
- **Project Types:** Research Projects only
- **Grant Types: Standard**, Conference, and FASE (**Strengthening Standard**, **New Investigator**, Strengthening Conference, Seed, Equipment, and Sabbatical) Grants only
- **Application Deadline:** August 25, 2022 (5:00 pm ET)
- **Contact:** Dr. Mark Carter, NPL, mark.carter@usda.gov

Funding Priorities: Basic and applied research that will reduce the risk of intentional or unintentional contamination of foods

Novel Foods and Innovative Manufacturing Technologies

- **Program Area Priority Code:** A1364
- **Proposed Budget Requests:** Not to exceed $650,000 total per project for project periods of 3-5 years
- **Project Types:** Research Projects only
- **Grant Types:** Standard, Conference, and FASE (Strengthening Standard, New Investigator, Strengthening Conference, Seed, Equipment, and Sabbatical) Grants
- **Application Deadline:** September 1, 2022 (5:00 pm ET)
- **Contact:** Dr. Hongda Chen, NPL, Hongda.Chen@usda.gov



Priority focuses on research that develops risk-based approaches to ensure the quality, safety and nutrition of novel foods and food ingredients, including products from pulses.

A1511 Nanotechnology for Agricultural and Food Systems

Funding Amount: $7M

Proposed Budget Requests: up to $650,000

Project Types: Research Projects only

Grant Types: Standard, Conference, and FASE (Strengthening Standard, New Investigator, Strengthening Conference, Seed)

Application Deadline: August 25, 2022 (5:00 pm ET)

Contact: Dr. Hongda Chen, NPL, hongda.chen@usda.gov

A1366 Mitigating Antimicrobial Resistance Across the Food Chain

Funding Amount: $6.5M

Proposed Budget Requests: up to $1,000,000

Project Types: Integrated Projects only, except SEED

Grant Types: Standard, Conference, and FASE (Strengthening Standard, New Investigator, Strengthening Conference, Seed, Equipment, and Sabbatical)

Application Deadline: September 1, 2022 (5:00 pm ET)

Contact: Dr. J Mark Carter, NPL, mark.carter@usda.gov

A1731 Center of Excellence for Meat and Poultry Processing and Food Safety Research and Innovation (MPPFSRI) - New

Funding Amount: *$5M*

Proposed Budget Requests: $5,000,000

Project Types: *Integrated (Research and Extension) Projects only*

Grant Types: *Standard, and Strengthening Standard*

Application Deadline: *November 3, 2022 (5:00 pm ET)*

Contact: *Dr. Kamilah Grant, NPL, kamilah.grant@usda.gov*

Dr. and Hongda Chen, NPL, Hongda.chen@usda.gov

Food and Human Health

- **Program Area Priority Code:** A1343
- **Proposed Budget Requests:** Not to exceed $650,000 total per project for project periods of 3-5 years
- **Project Types:** Research Projects only
- **Grant Types:** Standard, Conference, and FASE (Strengthening Standard, New Investigator, Strengthening Conference, Seed, Equipment, and Sabbatical) Grants only
- **Application Deadlines:** Closed for FY22
- **Contact:** Dr. Pascale Jean, NPL, Pascale.Jean@usda.gov

Funding Priority: Investigate the nutrients and contaminants in food and their impact on the gut microbiota

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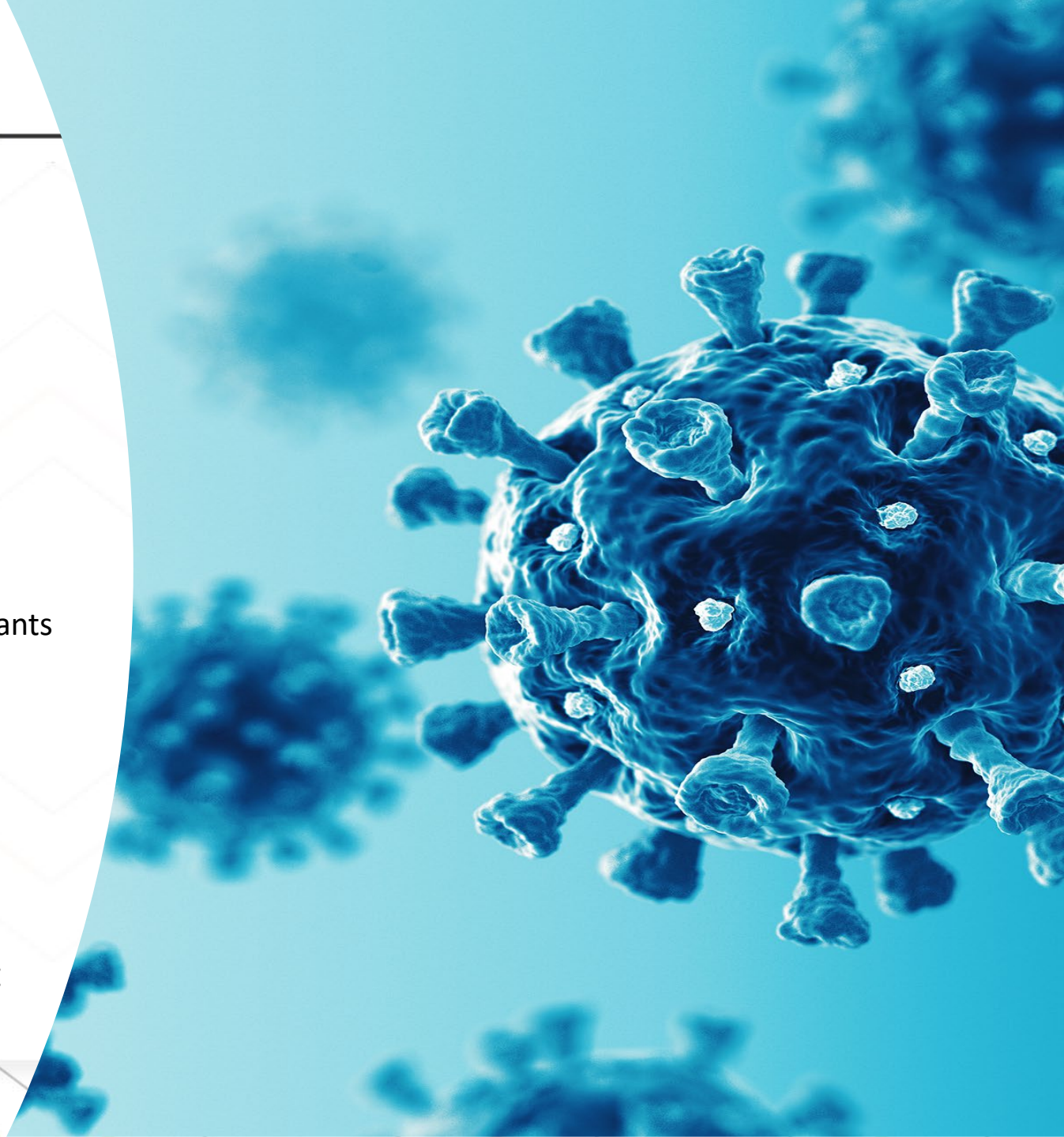
U.S. DEPARTMENT OF AGRICULTURE

Diet, Nutrition and the Prevention of Chronic Diseases

- **Program Area Priority Code:** A1344
- **Proposed Budget Requests:** Up to $1,000,000
- **Project Types:** Integrated Projects ONLY
- **Grant Types:** Standard Grants, Conference Grants, FASE Grants
- **Application Deadline:** August 25, 2022 (5:00 pm ET)
- **Contact:** Dr. Mallory Koenings, NPL, Mallory.Koenings@usda.gov



Funding Priorities: Proposals for integrated projects that help prevent and manage chronic disease.

Extension, Education, and USDA Climate Hubs Partnership A1721

Proposed Budget Requests: $1,500,000 total per project for project periods of 3-5 years

Project Types: Extension Projects or Integrated (extension and education) Projects

Grant Types:

- Standard
- FASE
  - Strengthening Standard
  - New Investigator

Agriculture and Food Research Initiative
Competitive Grants Program
Foundational and Applied Science Program

- **Application Deadline:**
  - 2022: October 6, 2022, at 5pm EST
- **Contact:** Dr. Amy Ganguli, NPL, amy.Ganguli@usda.gov

Sustainable Agricultural Systems (A9201)

Long-Term Goal: Food and Nutrition Security

Projects addressing this goal must develop, implement, or enhance understanding of at least ONE of the following:

1. Local and Regional Food Systems
2. Nutrition-Sensitive Climate-Smart Agriculture
3. Nutrition Security and Diet Related Health Disparities

Non-AFRI Food Safety, Nutrition, and Health Program Area

- Gus Schumacher Nutrition Incentive Program (GusNIP) Portfolio
- Small Business Innovation Research (SBIR) 8.5
- Expanded Food and Nutrition Education Program (EFNEP)
- Food and Agriculture Service Learning Program (FASLP)
- Community Food Projects Competitive Grants Program (CFP)
- Food Safety Outreach Program (FSOP)

Gus Schumacher Nutrition Incentive Program (GusNIP)

Dr. Mallory Koenings, NPL, Mallory.Koenings@usda.gov
Dr. Pascale Jean, NPL, Pascale.Jean@usdsa.gov

Goals

- Conduct and evaluate projects intended to increase the purchase of fruits and vegetables by low-income consumers by providing incentives at the point of purchase
- Brings together stakeholders from various parts of the food and healthcare systems to foster understanding of how they might improve the health and nutrition status of participating households

Grant Types

Nutrition Incentive (NI) Grants

Pilot Projects; $100,000 up to 1 year; 100% match
Standard Projects; $500,000 up to 4 years; 100% match
Large-Scale Projects; ≥$500,000 up to 4 years; 100% match

Produce Prescription (PPR) Grants

≤$500,000 up to 3 years; No match

Nutrition Incentive Program Training, Technical Assistance, Evaluation and Information Centers (NTAE)

$7 million/yr continuation for 4 years; No match

Closed

Small Business Innovation Research (SBIR) 8.5

Food Science and Nutrition

Dr. Jodi Williams, NPL, jodi.williams@usda.gov

Goals

- Increase the understanding of the physical, chemical, and biological properties of food;
- Improve methods for the processing and packaging of food products to improve the quality, safety and nutritional value of foods, and to reduce food waste;
- Develop technologies for rapid and sensitive detection of pathogens and toxins in foods; and
- Develop programs or products that increase the consumption of healthy foods and reduce obesity or alleviate urban and rural food deserts

Grant Types

- Phase I – May not exceed $100,000, or $106,500 with Technical and Business Assistance (TABA) for a period normally not to exceed eight (8) months
- Phase II – May not exceed $600,000 (not including TABA), with the maximum award available $650,000 (including TABA) for a period of 24 months

Eligible Entities

Small businesses – Faculty collaborators welcome to partner

Application period has closed

Expanded Food & Nutrition Education Program (EFNEP)

Nutrition

Dr. Helen Chipman, NPL, helen.chipman@usda.gov Dr. Carinthia Cherry, PC, Carinthia.cherry@usda.gov

Purpose

- Reduce nutrition insecurity by assisting low-income families and youth in acquiring knowledge, skills, attitudes, and changed behaviors necessary for nutritionally sound diets and to contribute to their personal development and improvement of the total family diet and nutritional well-being
- Combines hands-on learning, applied science, and program data to ensure program effectiveness, efficiency, and accountability

Eligible Entities

1862 and 1890 Land-Grant Universities

Funding

FY2022: $70M

Food and Agriculture Service Learning Program (FASLP)

Food Safety and Nutrition

Dr. Helen Chipman, NPL, helen.chipman@usda.gov | Dr. Lisa Jahns, NPL, lisa.jahns@usda.gov

Purpose

- Increase the knowledge of agricultural science and improve the nutritional health of children
- Increase the capacity for food, garden, and nutrition education
- Foster higher levels of community engagement between farms and school systems by bringing together stakeholders
- Increase access to school meals for children living below the Federal poverty line & improve the quality of these meals

Grant Types

- Maximum Award up to $225,000 for 24 months

Eligible Entities

State agricultural experiment stations; colleges and universities; university research foundations; other research institutions and organizations; Federal agencies; national laboratories; private organizations, non-profit organizations, foundations, or corporations; individuals; or any group consisting of two or more entities described herein.

Application period open until December 8, 2022

Community Food Projects (CFP) Competitive Grants Program

Dr. Lydia Kaume, NPL, Lydia.kaume@usda.gov

Goals

- Fight food insecurity through developing or implementing community food projects that help promote the self-sufficiency of low-income communities
- Increase food security in communities by bringing the whole food system together to assess strengths, establish linkages
- Create sustainable food systems that improve the self-reliance of community members over their food needs
- Meet the food needs of individuals living under the Federal poverty line, through food distribution, outreach to increase participation in federally assisted nutrition programs, or improve access to food
- Promote comprehensive responses to local food access, farm, and nutrition issues
- Create community-led state, local, or neighborhood food and agricultural programs
- Include equipment necessary for the efficient operation of a project
- Provide innovative marketing activities; mutually benefiting agricultural producers and low-income consumers

Grant Types

(1) Community Food Projects (CFP): $400,000 over 4 years; 100% match

(2) Planning Projects (PP): $35,000 over 3 years; 100% match

Application period has closed

Food Safety Outreach Program (FSOP)

Dr. Jodi Williams, NPL, jodi.williams@usda.gov

Goals

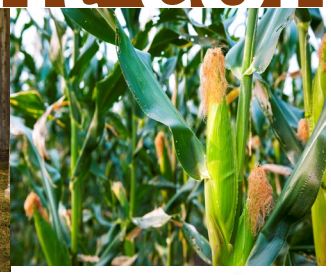
- Maintain and continue to provide Food Safety Modernization Act (FSMA) related training, education, outreach to the programs target audience
- Projects focus on the development or the expansion of food safety education and outreach programs that address the needs of a specialized audience of small and mid-sized producers, processors, and merchant wholesalers

FY2022 Project Types ($9.6M Budget)

- Community Outreach Projects: $80,000 - $150,000 over 2 years
- Collaborative Education & Training Projects: $200,000 - $400,000 over 3 years

Application period coming soon

4-H and Youth Development continues to



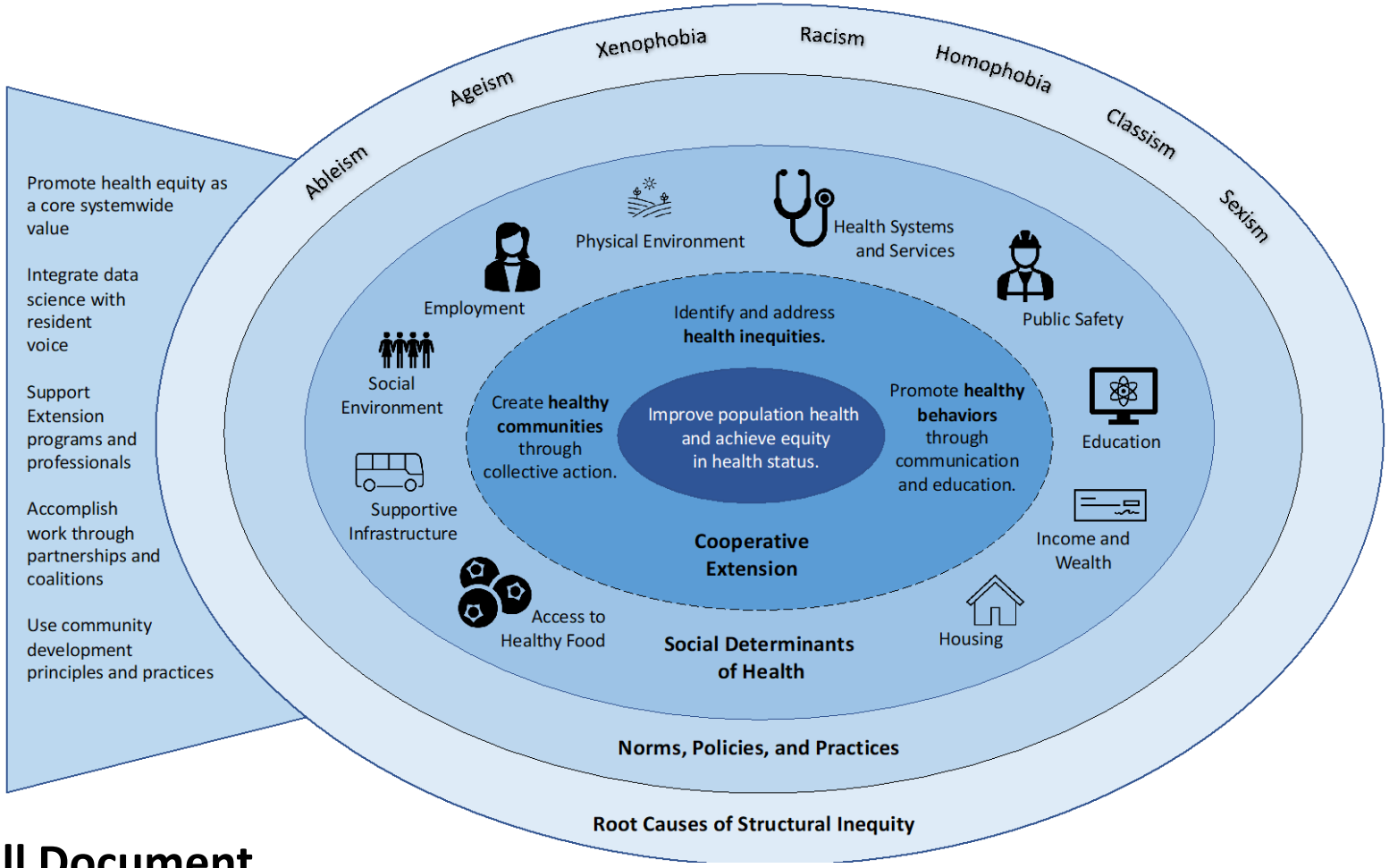
NIFA Nutrition Security Webinar Series

Selected editions include:

- **GusNIP Overview**
- **Internship Perspectives**
- **The Role of RDNs**
- **Cooperative Extension's National Framework for Health Equity and Well-Being**
- **Strengthening our Intersections between Climate Change, Food Systems, and Nutrition Security**
- **Prioritizing Nutrition Security: Emerging Approaches in Research and Practice**
- **NIFA Elevates Youth and Families**

https://nifa.usda.gov/program/nifa-nutrition-security-webinar-series

Cooperative Extension's National Framework for Health Equity and Well-Being



Full Document

https://www.aplu.org/members/commissions/food-environment-and-renewable-resources/board-on-agriculture-assembly/cooperative-extension-section/ecop-members/ecop-documents/2021%20EquityHealth%20Full.pdf

Other Relevant Resources

Current NIFA Funding Opportunities: Search Requests For Applications (RFAs) https://www.nifa.usda.gov/grants

Current AFRI RFA: https://www.nifa.usda.gov/sites/default/files/2022-05/FY22-AFRI-FAS-RFA-MOD1-508.pdf

NIFA Grant Resources: webinars and workshops https://nifa.usda.gov/grant-training

grants.gov Application Guide: guidance for preparation and submission of NIFA grant applications https://apply07.grants.gov/apply/opportunities/instructions/PKG00249520-instructions.pdf

NIFA National Program Leaders: POC https://nifa.usda.gov/national-program-leaders

Volunteer to Serve as a Reviewer

ABOUT
Who We Are
What We Do
Types of Federal Assistance
Panelist Information
How We Work
Visit NIFA
Career Opportunities
Equal Opportunity and Civil Rights

Print Tweet Share

Panelist Information

NIFA and your community request your assistance in identifying panelists and ensuring our peer review panels have the required expertise while remaining inclusive, representative, and diverse.

NIFA convenes peer review panels comprised of research, education, extension, and other subject matter experts to review competitive grant proposals. Panelist duties include reviewing proposals; drafting and submitting individual scores and written reviews; attending and participating in a panel meeting. During the panel meeting panelists discuss and reach a group consensus on proposal rankings. Panels may be conducted via teleconference or at in person meeting spaces.
If you are interested in participating, NIFA uses a Peer Review System (PRS) to collect volunteer information.
Click here to access PRS.

BECOMING A PANELIST

REGISTRATION INFORMATION

If you are interested in serving on a peer-review panel, you can provide your contact information by visiting NIFA Peer Review System and clicking on the “Panelist Recruitment” link in the “Volunteer” section. You will be asked to provide your contact information and expertise.

In addition, a voluntary questionnaire will appear that is used to gather race, ethnicity, gender, and other information. NIFA collects this information from everyone who participates in USDA activities to allow us to evaluate participation and improve processes in accordance with applicable equal opportunity and civil rights laws. The information you provide will not be used to determine your eligibility to participate in this program. The use of this information will help USDA/NIFA to:

https://www.nifa.usda.gov/about-nifa/what-we-do/panelist-information

Current NIFA Career Opportunities

- Job Openings – usajobs.com
- USDA Internship Program
- USDA Scholarship Programs
- USDA Recruitment Resources

https://nifa.usda.gov/career-opportunities
USDA 1890 National Scholars Program:
https://www.usda.gov/partnerships/1890NationalScholars
USDA Pathways Program: https://www.dm.usda.gov/employ/student/seo-pathways-programs.htm

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NIFA

Thank You!

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