Today’s Speakers

Madeleine O’Connor
Director of Communications
FFAR

Sally Rockey, Ph.D.
Executive Director
FFAR

Andy Lavigne
President, NC-FAR Board
CEO, American Seed Trade Association
Logistics for Today’s Webinar

• All participants are on mute.

• Submit questions in the “chat” box at any time (see right side bar for light gray symbol).

• To submit a question, type in the text box and press “enter” on your keyboard.

• Webinar recording and slides will be posted following today’s presentation.
About FFAR

• Nonprofit created through bipartisan congressional support in the 2014 Farm Bill

• Governed by a Board of Directors, advised by expert Councils

• FFAR complements the work of the USDA
The FFAR Model

- Flexible and nimble
- Doubles taxpayer investment with required $1 for $1 match
- Collaborates with public and private sector partners
OUR VISION

We envision a world in which ever-innovating and collaborative science provides every person access to affordable, nutritious food grown on thriving farms.
**How We Work**

**Private-Public Partnerships**

We build unique partnerships to support innovative science addressing today’s food and agriculture challenges.

$200M + $200M

FFAR Investment

Non-Federal Match

"FFAR also brings together diverse groups that might not otherwise collaborate to solve big challenges...the FFAR model delivers - and doubles the taxpayer's investment."

-Bob Stallman
Past President, American Farm Bureau Federation
Current FFAR Board Member
Our Leadership

- Board of Directors
- Advisory Councils
- Executive Director
Board of Directors

19 voting members

Dr. Mark Keenum, Mississippi State University, Chair
Dr. Kathryn J. Boor, Cornell University
Dr. Doug Buhler, Michigan State University
Dr. Doug Cameron, First Green Partners
Dr. Gail Christopher, Kellogg Foundation
Dr. Nancy Creamer, North Carolina State University
Dr. Deborah Delmer, University of California Davis
Hon. Dan Glickman, Aspen Institute
Dr. Rob Horsch, Bill & Melinda Gates Foundation
Dr. Mehmood Khan, PepsiCo
Ms. Pam Johnson, National Corn Growers Association
Dr. Michael Ladisch, Purdue University
Dr. Chris Mallett, Cargill Inc.
Dr. Pam Marrone, Marrone BioInnovations Inc.
Dr. Terry F. McElwain, Washington State University
Dr. Stanley Prusiner, University of California - San Francisco
Dr. Yehia “Mo” Saif, Ohio State University
Mr. Bob Stallman, American Farm Bureau Federation
Dr. Alton Thompson, Association of Research Directors of 1890 Land Grant Universities

5 ex-officio members

Hon. Sonny Perdue, Secretary of Agriculture
Dr. France Córdova, Chair, National Science Foundation
Dr. Ann Bartuska, Acting Chief Scientist and Under Secretary for Research, Education and Economics, USDA
Dr. Sonny Ramaswamy, NIFA Director, USDA
Dr. Chavonda Jacobs-Young, ARS Administrator, USDA
Advisory Councils

• 60+ members on 6 councils
  o Industry leaders, farmers, producers, scientists

• Each Challenge Area has a council of experts to help advise FFAR on scientific opportunities
Stakeholder Input

Government

Scientists

Producers

Consumers

Industry

FFAR’s Programs and Initiatives

Icons from Adrien Croquet, Symbolon, Gan Kwoon Lay, and Aleksandr Vector of Noun Project
More robust funding of research will allow the U.S. to maintain its science prominence and give our producers opportunities to apply cutting-edge research results and technologies in their operations.

The FFAR model will serve the community well as we work together to drive innovation and grow the funding pool for agricultural research.

-Sally Rockey, Ph.D.
FFAR Executive Director
Convening Events

• We bring experts and stakeholders to the table to inform research design and goals before launching programs

• Goal of FFAR-funded research: yield actionable outcomes

• We know that to make an impact: research findings must make economic, social, and environmental sense

• Several 2018 Convening Events TBA
Review Process

FFAR has a rigorous, three-stage process for reviewing proposals:

1) Concept Clearance by ED/Board/ACs
2) 1st level peer review by experts in the field
3) 2nd level review by Advisory Councils - evaluate top ranked proposals for alignment with FFAR goals and portfolio balance
4) Final funding decisions are approved by the Executive Director
Research Funding

Funds may be awarded in three different ways:

1) Competitive Grants
2) Direct Contracts
3) Prizes and Challenges
Protein Challenge
Overcoming Water Scarcity
Healthy Soils, Thriving Farms
Food Waste and Loss
Making “My Plate” Your Plate
Forging the Innovation Pathway
Urban Food Systems
Executive Director

Sally Rockey, Ph.D.

- Became FFAR’s first Executive Director in September 2015
- 19 years with USDA
- Deputy Director for Extramural Research at the National Institutes of Health
THANK YOU

The National Coalition for Food and Agricultural Research submitted a letter of support for FFAR to the Senate Agriculture Committee before the June 15 hearing. We appreciate all those who signed the letter in support of FFAR.
Andy Lavigne
President, NC-FAR Board
CEO, American Seed Trade Association
NC-FAR is a customer-led coalition working to **sustain and enhance federal funding for food and agricultural research, extension and education** to help bring about research **outcomes** for public benefit.
60+ Signatures in Support of FFAR

National Coalition for Food and Agricultural Research (NCFAR) • Academy of Nutrition and Dietetics • Agricultural Retailers Association • American Farm Bureau Federation • American Feed Industry Association • American Seed Trade Association American Society for Horticultural Science • American Society for Nutrition • American Society of Agronomy • American Society of Animal Science • American Society of Plant Biologists • American Veterinary Medical Association • Aquatic Plant Management Society • Association of American Veterinary Medical Colleges • Cherry Marketing Institute Inc. • Cornell University College of Agriculture and Life Sciences • Council for Agricultural Science and Technology (CAST) • Crop Science Society of America Experiment Station Committee on Organization and Policy • FASS • Global Harvest Initiative • International Alliance for Phytobiomes Research • Iowa Corn Growers Association • Irrigation Association • Marrone Bio Innovations Mississippi State University • National Association of Plant Breeders • National Association of State Departments of Agriculture National Association of Wheat Growers • National Corn Growers Association • National Cotton Council • National Pork Producers Council • North American Millers Association • North Central Regional Association of Agricultural Experiment Station Directors • North Central Weed Science Society • Northeastern Agricultural and Resource Economics Association Northeastern Weed Science Society • PepsiCo • Pollinator Partnership • Purdue University College of Agriculture • Rural Sociological Society • Society for Range Management • Soil Health Institute • Soil Science Society of America • Southern Agricultural Economics Association • Southern Weed Science Society • Supporters of Agricultural Research Foundation Syngenta • Taylor Shellfish Farms • The American Phytopathological Society • The Fertilizer Institute • United Egg Producers Universities Council on Water Resources • University of Delaware College of Agriculture and Natural Resources • University of Nebraska • University of Tennessee Institute of Agriculture • Veterinary Regional Referral Hospital • Wade Water LLC Weed Science Society of America • Western Association of Agricultural Experiment Stations • Western Society of Weed Science
Join us: Invitation to Voice Support

View letter:  

Add your organization’s signature:  

The Honorable Pat Roberts, Chair  
The Honorable Debi Stabenow, Ranking Member  
Senate Committee on Agriculture, Nutrition, and Forestry  
Senate Committee on Agriculture, Nutrition and Forestry  
U.S. Senate  
U.S. Senate  
Washington, DC 20510  
Washington, DC 20510

RE: Support for Foundation for Food and Agriculture Research (FFAR)

Dear Chairman Roberts and Ranking Member Stabenow:

The undersigned wish to thank the members of the Senate Committee on Agriculture, Nutrition, and Forestry for their bipartisan support in establishing the Foundation for Food and Agriculture Research (FFAR) in the Agricultural Act of 2014, also known as the 2014 Farm Bill. We strongly encourage your continued support for FFAR in the next Farm Bill. The initial investment of $200 million in mandatory funding through the Commodity Credit Corporation has been instrumental in helping the U.S. agricultural research enterprise foster continued innovation. FFAR’s emergence as a cutting-edge research institution contributing to the long-term competitiveness of our nation’s food and agriculture sector is well timed considering the many challenges confronting the U.S. food and agricultural system.

The need for advanced solutions remains imperative if we are to continue to lead the world in food and agricultural innovation. Your work in 2014 to create a new institution for leveraged, public-private partnerships and investments through FFAR was as an inspiration. We urge your continued support of FFAR in the next Farm Bill.

Thank you for your consideration and for your leadership on food and agricultural research, extension and education.

Respectfully Submitted,
2018 FARM BILL

By signing the letter, you are showing Congress your commitment to helping FFAR advance the field of food and agriculture research.
2017 in Review
### By the Numbers

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<th>To Date</th>
<th>By End of 2017</th>
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<tr>
<td>Funds delivered to food and agriculture researchers</td>
<td>$58 million</td>
<td>Close to $200 million</td>
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<tr>
<td>Grants awarded by FFAR</td>
<td>36</td>
<td>60+</td>
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<tr>
<td>Donors and Funding Partners</td>
<td>50</td>
<td>65+</td>
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Crops of the Future Collaborative
Crops of the Future Collaborative

“This collaborative research with public and private partners will build on the investments already made in ag research so farmers like me can see the return on those investments through improvements in our fields.”

-Pam Johnson
Past President, National Corn Growers Association
FFAR Board Member
Seeding Solutions
Addressing Challenges in Food and Agriculture

9 Grants
awarded to bold and scientifically rigorous proposals to address FFAR Challenge Areas.

First Seeding Solutions Grantee Announced Monday
Foundation for Agronomic Research is coordinating a team in eight locations to link nutrient management practices with practical outcomes for production and natural resource conservation.

up to $1M FFAR funding + at least $1M Matching funding from non-federal source
Fulfilling an unmet need:
Rapid deployment of funds for R&D and extension to prevent and mitigate damage caused by agricultural pests and pathogens

Open for participation:
www.foundationfar.org/ROAR
ROAR Grants

**Pathogen**
*Brucella suis* in swine and cattle

**Researchers**
University of Wyoming
Texas A&M

**Pathogen**
Bacterial leaf streak in corn

**Researchers**
Colorado State University
University of Nebraska
University of Illinois

**Pest**
Spotted Wing Drosophila in tart cherry trees

**Researchers**
Michigan State University

Pathogen
*Brucella suis* in swine and cattle

Pest
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Pathogen
Bacterial leaf streak in corn
**WWF Project: Food Rescue on Farms**

*Funding Partner: Walmart Foundation*

Our joint **$1.3M** investment will fund research to maximize crop utilization and edible food recovery:

- University of California – Davis researchers will work with farmers to get input and conduct trials

- Global Cold Chain Alliance will collect data on post-harvest loss and potential consumer markets
Our joint $6.6M investment will:

• Enhance the health and future productivity of U.S. soils

• Increase profitability and sustainability for thousands of farmers across the U.S.

• Yield a host of environmental benefits.
NAS Prize in Food and Agriculture Science

- $100,000 prize
- Endowed in perpetuity
- Prestigious mid-career recognition

Dr. Ed Buckler
Inaugural Winner
RFAs Issued in 2017
Applications currently under review

Pollinator Health Fund
$10 million commitment to understanding multiple pollinator stressors, develop best management practices, and enhance outreach and education.

Animal Welfare and Productivity
Up to $2 million for research to improve welfare and production efficiency of egg-laying hens and commercially raised pigs.

Sustainable American Aquaculture
Up to $5 million for research to advance innovative research in sustainable fish and shellfish production in the U.S.
OUR FUTURE
FFAR Challenge Area Priorities: 2017 - 2019

**Water Scarcity**
- Plant efficiency
- Groundwater recharge
- Water recycling/reuse

**Soil Health**
- Ecosystem services
- Connecting soil health to human health
- Marginal Environments
- Open source platforms
- Rangeland and soil health

**Protein Challenge**
- Antibiotic Stewardship and Growth
- Environmental Sustainability
- Welfare

**Food Waste and Loss**
- Food system inefficiencies
- Measurement methodologies, monitoring & reporting
- Food and feed applications
- Non-food applications

**Innovation Pathways**
- Build trust in the science of new technologies
- Measuring technology adoption
- Overcoming constraints to technology adoption
- Increase economic opportunities for farmers
- Increase consumer affordability
- Behavior change

**My Plate, Your Plate / Urban Food Systems**
- Increase economic opportunities for farmers
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**FfAR Challenge Area Priorities: 2017 - 2019**

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**My Plate, Your Plate / Urban Food Systems**
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- Increase consumer affordability
- Behavior change
Improving Plants

- Doubling photosynthetic efficiency increase yields up to 40%
- Water Use Efficiency
- Taking advantage of the latest technologies – gene editing
Early Career Awards

New Innovator in Food and Agriculture Research Award

Supports the next generation of scientists pursuing innovative research.

- Recipients are committed to mentoring and pursuing innovative research in one or more FFAR Challenge Areas.

9 New Innovators in 2016

2017 New Innovators TBA: Q4 2018
Current Open Opportunities

foundationfar.org/open-opportunities

Rapid Outcomes from Agricultural Research

Emergency funding for research and outreach that prevents or mitigates pest or pathogen damage.

Continuing Call for Applications

Tipping Points: Pilot Program

Using food systems modeling that lead to positive health outcomes and increased economic opportunities within a community.

Accepting Letters of Intent through Sept. 13
On the Horizon

Approximately $200 million in programming to be delivered by end of year.

Remaining 2017 Awards:

- New Innovators
- Seeding Solutions
- ROAR grants
- Pollinator Health Fund
- Accelerating Advances in Animal Welfare
- Sustainable American Aquaculture
HOW TO GET INVOLVED
FFAR Public Board Meeting

Save the Date: October 6 at 11:00 a.m.

- Open invitation (forthcoming) to provide comments in person or submit written feedback to FFAR board
- Subscribe to FFAR e-news to receive details: bit.ly/ffarnewsletter
- Presentation will include more detailed information about 2018-2019 priorities within the FFAR Challenge Areas
OPEN FUNDING OPPORTUNITIES

Check our open requests for applications (RFAs)

foundationfar.org/open-opportunities
NAS Prize in Food and Agriculture Sciences
Open for nominations through October 2

Annual $100,000 Prize recognizing extraordinary contribution to agriculture or food production by a mid-career scientist at a U.S. institution.

Learn more: https://awards.nasonline.org
SUBSCRIBE TO THE FFAR NEWSLETTER

Latest news and funding opportunities as they happen.

bit.ly/FFARnewsletter
ATTEND AN EVENT

Several events happening this year with topics from soil health to food waste.

# Calendar of Events

<table>
<thead>
<tr>
<th>Date</th>
<th>Event Description</th>
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<tbody>
<tr>
<td>Oct 6</td>
<td>Public Board Meeting</td>
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<tr>
<td>Oct 23</td>
<td>Research Gaps for Novel and Ancient Crops: Investing in New Opportunities in <strong>Plant Efficiency</strong> at ASA, CSSA, SSSA Meeting in Tampa</td>
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<td>Oct 25-26</td>
<td>Open Source Adaptive Management Tools: From Farm Observations to Location-Specific <strong>Soil Health Decision Support</strong> at ASA, CSSA, SSSA Meeting in Tampa</td>
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<td>Nov 13</td>
<td><strong>Crops and Controlled Environments</strong> – <em>Location TBD</em></td>
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<tr>
<td>Nov 16</td>
<td>From <strong>Food Waste</strong> to Food Security: Identifying Research Gaps Across the Food System at APLU in Washington, DC</td>
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<tr>
<td>Nov 30–Dec 1</td>
<td>Breaking Down The Barriers: Overcoming Obstacles to Innovation Adoption Across The <strong>Food System</strong> at APLU in Washington, DC</td>
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<tr>
<td>Dec 4</td>
<td><strong>Sustainable Livestock Production</strong> at NAS in Washington, DC</td>
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Submit a Concept in a Challenge Area

• Our online concept portal is always open for submissions.

• What should you submit?
  • Research concepts that align with a Challenge Area, but do not have an open RFA

• Submit at: bit.ly/ffarCAconcepts
Submit Other Concepts

• Our online concept portal is always open for submissions.

• What should you submit?

  • Research ideas that do not align with one of our seven Challenge Areas.

• Submit at: bit.ly/FFARconcept
Submit any comments, suggestions, or questions online.

foundationfar.org/contact-us/
QUESTIONS?
Thank you

Madeleine O’Connor
Director of Communications
moconnor@foundationfar.org

Sally Rockey
Executive Director
srockey@foundationfar.org

Connect with FFAR
@FoundationFAR