

Subject: Fwd: AFRI New Program on Emerging Technologies

From: Jason Delborne <jadelbor@ncsu.edu>

Date: 5/22/2017 4:55 PM

To: J Royden Saah <royden.saah@islandconservation.org>, Todd Kuiken <tkuiken@ncsu.edu>

What we talked about on 5/22

Begin forwarded message:

From: Fred Gould <fgould@ncsu.edu>

Subject: Fwd: AFRI New Program on Emerging Technologies

Date: May 11, 2017 at 3:37:53 PM EDT

To: Jason Delborne <jadelbor@ncsu.edu>

FYI

Begin forwarded message:

From: AGNES.HONG@NIFA.USDA.GOV

Subject: AFRI New Program on Emerging Technologies

Date: May 11, 2017 at 12:27:28 PM EDT

To: fred_gould@ncsu.edu

Dr. Fred Gould
Research Administration
North Carolina State University
2701 Sullivan Drive Administrative Services III; CB 7514
Raleigh, NC 27695-7514

Dear Dr. Gould,

You have recently applied to USDA's Biotech Risk Assessment Grants (BRAG) program. The program is excited to share a new funding opportunity that could be of interest to you. Realizing the need for evidence based communication and to combat misinformation about the potential benefits and risks of emerging technologies, effective communication tools are needed. NIFA is offering a new funding opportunity (in AFRI Foundational RFA) that focuses

on better understanding of the social belief structures, improving dialog among multiple stakeholders, and developing effective communication strategies related to emerging technologies.

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Social Implications of Emerging Technologies (<http://bit.ly/2qiwAIY>)

Program Area Priority Code - A1642

Budget - up to \$500,000 for 4 years

Letter of Intent Deadline - June 1, 2017 (5:00 p.m. Eastern Time)

Program Area Priority e-mail address for Submission of Letter of Intent-
ET-LOI@nifa.usda.gov

Application Deadline - August 17, 2017 (5:00 p.m. Eastern Time)

Program Area Priority Contact - Dr. Robbin Shoemaker (202) 720-5468 or rshoemaker@nifa.usda.gov, Dr. Wesley Dean (202) 689-4286 or wesley.dean@nifa.usda.gov, and Dr. Ed Kaleikau (202) 401-1931 or ekaleikau@nifa.usda.gov

Program Area Priority - Advancements in gene drive research have tremendous potential for transforming agriculture and will likely continue to expand as genome editing tools, such as Clustered Regularly Interspaced Short Palindromic Repeats (CRISPR) become more refined. In June of 2016, the National Academy of Science, Engineering, and Medicine recommended that more research is needed to understand the scientific, ethical, regulatory, and social consequences of developing and releasing gene-drive modified organisms. Specifically, it recommended that a collaborative, multidisciplinary, and cautionary approach is needed before gene drive technologies are released. The critical lesson learned from our experience with new genetic technologies is that public trust in science begins with and requires ongoing transparency and open deliberation of the implications of science for society.

Research Project applications must address the following:

- Assess the broad social, ethical, legal and other potential impacts that gene drive/genome editing technologies may pose for society, agricultural markets, consumer preferences, and other domains.
- Involve a range of disciplines including scientists, legal scholars, bioethicists, social scientists and researchers from the humanities, the general public, and other stakeholders

to assess the technology's merits and risks and pursue an open and effective means to involve the public in deliberation over these issues.

Program Area Priority Additional Information

- Conference grant applications are encouraged under this program area priority.

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Please see the RFA (<http://bit.ly/2qiwAlY>) for additional details about the submission process and email/call the program area contacts for your questions/queries in relation to the program.

Please do not reply to this e-mail.

Kind Regards,
Agnes Hong
Plant Production Program Specialist
Agnes.hong@nifa.usda.gov