

National Academies Announces Committee for Science Breakthroughs 2030 Food and Agriculture Study

The National Academies of Sciences, Engineering, and Medicine is pleased to announce the appointments of the provisional committee of *Science Breakthroughs 2030*, a project to identify compelling future directions for research in food and agriculture. The year-long study will explore novel scientific approaches suggested by members of the scientific community, with special attention to those ideas empowered by insights and tools from disciplines of science and engineering not typically associated with food and agriculture. Based on community input, the study committee will produce a report describing ambitious and achievable scientific pathways to addressing major problems and creating new opportunities for the food and agriculture system. Major support for the study is provided by the [SoAR Foundation](#), the [Foundation on Food and Agriculture Research](#), and other agricultural research stakeholders. For more information on the study, visit the Science Breakthroughs 2030 [website](#).

[View the Full Committee Here](#)

Plant breeders are part of the community whose input is sought. The study planners put forward four questions (see them on the web site, and listed here below). If plant breeders have different or additional perspective on big questions for the decades immediately ahead, those questions would also be relevant.

“What are the greatest challenges that food and agriculture are likely to face in the coming decades?”

“What are the greatest foreseeable opportunities for advances in food and agricultural science?”

“What fundamental knowledge gaps exist that limit the ability of scientists to respond to these challenges as well as take advantage of the opportunities?”

“What general areas of research should be advanced and supported to fill these knowledge gaps?”

Call for Community Input - Science Breakthroughs 2030

Over the course of the next six months, the *Science Breakthroughs 2030* study will explore novel scientific approaches suggested by members of the scientific community, with special attention to those ideas empowered by insights and tools from disciplines of science and engineering not typically associated with food and agriculture. Based on community input, the study committee will ultimately produce a report describing ambitious and achievable scientific pathways to addressing major problems and creating new opportunities for the food and agriculture system.

Share your ideas on our “Idea-Buzz” challenge website—a discussion platform where you will be asked to post your perspectives and ideas for innovative scientific approaches and research concepts. The platform is simple to use and allows contributors to see and comment on all ideas contributed. Readers also can vote for the ideas they like. Everyone who contributes an idea will be acknowledged in the final study report.

[Submit Input on IdeaBuzz](#)

Instructions for IdeaBuzz - Science Breakthroughs 2030

Tell us your idea for innovative research that could elevate the science of food and agriculture. In describing your idea, please comment on how the science and engineering approach you describe might:

1. Address a major challenge in food and agriculture
2. Create a novel opportunity for advances in food and agricultural science
3. Help overcome a technological barrier
4. Fill a fundamental knowledge gap that currently holds back progress in the fields of food and agriculture

Intended outcome is "...a 10-year strategy for food and agriculture research, will inform future scientific priorities ...". For more information:

<http://nas-sites.org/dels/studies/agricultural-science-breakthroughs/about-us-agriculture-breakthroughs/background/>

<http://nas-sites.org/dels/studies/agricultural-science-breakthroughs/about-us-agriculture-breakthroughs/community-input/>).

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