Plants—3D will train students to discover, design, and deploy biology and engineering solutions to the projected problem of massive-scale food insecurity due to climate change.

The program was made possible by a $3 million grant from the National Science Foundation Research Traineeship (NRT) program. It will fund a total of 50 students, who will receive academic and entrepreneurial training, as well as mentorship and stipends to help them travel to professional conferences.

The NRT Program is designed to encourage the development and implementation of bold, new potentially transformative models for STEM graduate education training. This program will increase the diversity and capacity of the nation's workforce in agricultural biotechnology by building upon the institution's effective model for minority and first-generation undergraduate education in STEM.

Plants–3D unites faculty experts in plant biology, synthetic biology and engineering to train students in transdisciplinary integration of knowledge and tools to create solutions to accelerate the translation of their discoveries to practical applications.
FRIDAY

Tavern Room
4:00 PM Check-In

5:00 PM Opening Reception

Iris Room
6:30 PM Dinner

7:50 PM Welcome

Keynote Speaker
8:00 PM Jeff Silberg
Stewart Memorial Professor
Department of BioSciences
Rice University

9:00 PM NRT Vision

SUNDAY

Check-out of rooms by Noon

Iris Room
8:00 AM Breakfast

9:00 AM Lightning Talks

10:20 AM Break

10:35 AM Lightning Talks

11:30 AM Future Directions for the NRT

12:00 PM Lunch