

Improving Bioenergy Crops for Sustainable Production

CHALLENGES

IDENTIFYING
SUSTAINABLE SOURCES OF ENERGY



PRESERVING
NATURAL RESOURCES



ADVANCING
COMMERCIAL
DEVELOPMENT

HOW WE'RE HELPING

ENHANCING YIELD AND QUALITY

IMPROVING SOLAR
ENERGY CAPTURE

ENGINEERING HIGHER OIL
CONTENT AND IMPROVING
OIL COMPOSITION



**USING NATURAL
RESOURCES EFFECTIVELY**

IMPROVING WATER-USE
EFFICIENCY

ENHANCING NUTRIENT UPTAKE



**DELIVERING NEW
TECHNOLOGIES TO THE
MARKETPLACE**

DEVELOPING
ALGORITHMS AND
OPEN-SOURCE SOFTWARE
FOR IMAGE ANALYSIS

LICENSING TECHNOLOGIES
TO THE PRIVATE SECTOR

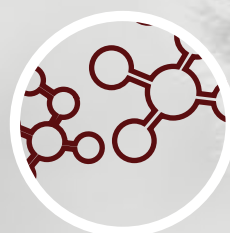


WHO WE ARE

The Enterprise Rent-A-Car
Institute for Renewable Fuels
at the Danforth Center

INNOVATION

HIGH-THROUGHPUT
GENOMIC AND PHENOMIC
TECHNOLOGIES



INTERDISCIPLINARY TEAMS

21 RESEARCH
COLLABORATIONS
ON 5 CONTINENTS



FOCUSED ON

NON-FOOD CROPS,
GRASSES, OILSEED
CROPS AND ALGAE