

**Genomic Sciences Program - List of Awards  
Systems Biology Research to Advance Sustainability Crop Development: DE-FOA-00002214**

Title	Lead PI	Institution	Location
A Systems Understanding of Nitrogen-fixation on the Aerial Roots of Sorghum	Ane, Jean-Michel	Board of Regents of the University of Wisconsin System, operating as University of Wisconsin-Madison	Madison, WI
Systems analysis of the beneficial associations of sorghum with arbuscular mycorrhizal fungi studied with genetics, genomics, imaging and microbiomics	Bennetzen, Jeffrey	The University of Georgia Research Foundation, Inc.	Athens, GA
Integration of Experimental and Modeling Approaches to Understand, Predict, and Modulate Rhizosphere Processes for Improved Bioenergy Crop Productivity	Zengler, Karsten	The Regents of the University of California - UCSD	La Jolla, CA
Integration of Experimental and Modeling Approaches to Understand, Predict, and Modulate Rhizosphere Processes for Improved Bioenergy Crop Productivity	Northen, Trent	<u>Collaborating Lab</u> : Lawrence Berkeley National Laboratory (LBNL)	Berkeley, CA
Interrogating pennycress natural and induced variation to improve abiotic stress tolerance and oilseed bioenergy crop resilience	Sedbrook, John	Illinois State University	Normal, IL
Interrogating pennycress natural and induced variation to improve abiotic stress tolerance and oilseed bioenergy crop resilience	Jacobson, Daniel	<u>Collaborating Lab</u> : Oak Ridge National Laboratory (ORNL)	Oak Ridge, TN
Interrogating pennycress natural and induced variation to improve abiotic stress tolerance and oilseed bioenergy crop resilience	Handakumbura, Pubudu	<u>Collaborating Lab</u> : Pacific Northwest National Laboratory (PNNL)	Richland, WA
ECON: Enhancing Camelina Oilseed Production with Minimum Nitrogen Fertilization in Sustainable Cropping Systems	Lu, Chaofu	Montana State University	Bozeman, MT
ECON: Enhancing Camelina Oilseed Production with Minimum Nitrogen Fertilization in Sustainable Cropping Systems	Shanklin, John	<u>Collaborating Lab</u> : Brookhaven National Laboratory (BNL)	Upton, NE
ECON: Enhancing Camelina Oilseed Production with Minimum Nitrogen Fertilization in Sustainable Cropping Systems	Tringe, Susannah	<u>Collaborating Lab</u> : Lawrence Berkeley National Laboratory (LBNL),	Berkeley, CA
Testing predictions of plant-microbe-environment interactions to optimize climate adaptation and improve sustainability in switchgrass feedstocks	Juenger, Thomas	The University of Texas at Austin	Austin, TX
Testing predictions of plant-microbe-environment interactions to optimize climate adaptation and improve sustainability in switchgrass feedstocks	Jastrow, Julie	<u>Collaborating Lab</u> : Argonne National Laboratory (ANL)	Lemont, IL
Elucidation of the Roles of Diazotrophic Endophyte Communities in Promoting Productivity and Resilience of Populus through Systems Biology Approaches	Doty, Sharon	University of Washington	Seattle, WA
Elucidation of the Roles of Diazotrophic Endophyte Communities in Promoting Productivity and Resilience of Populus through Systems Biology Approaches	Deutschbauer, Adam	<u>Collaborating Lab</u> : Lawrence Berkeley National Laboratory (LBNL)	Berkeley, CA
Elucidation of the Roles of Diazotrophic Endophyte Communities in Promoting Productivity and Resilience of Populus through Systems Biology Approaches	Ahkami, Amir	<u>Collaborating Lab</u> : Pacific Northwest National Laboratory (PNNL)	Richland, WA