

## Department of Energy Announces \$27.4 Million for Research to Characterize Gene Function in Bioenergy Crop Plants

Announcement Number: DE-FOA-0002601

List Posted: 9/13/2022

| Principal Investigator | Title   | Institution   | City             | State | 9-digit zip code |
|------------------------|---|---|------------------|-------|------------------|
| Coleman, Gary          | Elucidating the genetic components of the physiological and metabolic processes governed by the TORC regulatory module in Poplar                                | University of Maryland                                  | College Park     | MD    | 20742-5141       |
| Dinneny, José          | Using an evolutionary perspective to discover and predict stress-associated gene functions  | Leland Stanford Junior University                       | Redwood City     | CA    | 94305-8445       |
| Eveland, Andrea        | Harnessing regulatory variation to elucidate drought resilience mechanisms in sorghum   | Donald Danforth Plant Science Center                    | St. Louis        | MO    | 63132-2918       |
| Fox, Brian             | Validation of an Acyltransferase Toolbox for Plant Biomass Engineering  | University of Wisconsin                                 | Madison          | WI    | 53715-1218       |
| Grotewold, Erich       | A Systems Framework to Enhance the Potential of Camelina as Oilseed Crop  | Michigan State University                               | East Lansing     | MI    | 48824-2601       |
| Kirst, Matias          | Populus and Sorghum Gene Function in Biomass Development  | University of Florida                                   | Gainesville      | FL    | 32611-5500       |
| Leonelli, Laurie       | Discovering Transcriptional Regulators of Photosynthesis in Energy Sorghum to Improve Productivity  | University of Illinois                                  | Urbana-Champaign | IL    | 61820-7406       |
| Shabek, Nitzan         | Functional analysis of genes encoding ubiquitin proteasome system components affecting complex traits influencing biomass resilience and productivity in poplar | University of California                                | Davis            | CA    | 95618-6153       |
| Groover, Andrew        | Functional analysis of genes encoding ubiquitin proteasome system components affecting complex traits influencing biomass resilience and productivity in poplar | USDA Forest Service, Pacific Southwest Research Station | Davis            | CA    | 95618-6153       |
| Tsai, Chung-Jui        | WINTR: Winter Transcriptome Regulation in poplar  | University of Georgia                                   | Athens           | GA    | 30602-7411       |
| Muchero, Wellington    | WINTR: Winter Transcriptome Regulation in poplar  | Oak Ridge National Lab                                  | Oak Ridge        | TN    | 37830-8050       |
| Urbanowicz, Breeanna   | Functional characterization of glycosyltransferase in duckweed to enable predictive biology   | University of Georgia                                   | Athens           | GA    | 30602-7411       |
| Yannick, Bomble        | Functional characterization of glycosyltransferase in duckweed to enable predictive biology   | National Renewable Energy Laboratory (NREL)             | Golden           | CO    | 80401-3305       |
| Yang, Jinliang         | Phenotypic and Molecular Characterization of Nitrogen Responsive Genes in Sorghum   | University of Nebraska                                  | Lincoln          | NE    | 68583-0861       |