BER’s Genomic Science program supports fundamental research to achieve a predictive, systems-level understanding of plants, microbes, and biological communities, thereby enabling biobased solutions to DOE mission challenges in energy and the environment.

6 RESEARCH AREAS
• Systems Biology for Bioenergy
• Plant Science for Bioenergy
• Sustainability Research for Bioenergy
• Biosystems Design
• Environmental Microbiome Science
• Computational Biology

GSP RESEARCH SPANS
63 Academic, Nonprofit, and Industrial Institutions
33 States, Puerto Rico, and Washington, D.C.
11 DOE National Laboratories

98 ACTIVE RESEARCH PROJECTS
74 University-Led
23 National Laboratory-Led
1 Interagency-Led

LEVERAGING BER CAPABILITIES FOR GSP RESEARCH CHALLENGES
4 BER RESOURCES WITH >3,000 PRIMARY USERS A YEAR
• Joint Genome Institute
• Systems Biology Knowledgebase (KBase)
• Environmental Molecular Sciences Laboratory
• Structural Biology and Imaging Resources (located at light and neutron sources supported by DOE’s Office of Basic Energy Sciences)

$228.7 MILLION RESEARCH BUDGET

BRC SCIENTIFIC AND TECHNOLOGICAL OUTPUT FROM 2007 TO PRESENT
2,999 Publications
670 Invention Disclosures
433 Patent Applications
119 Patents
224 Licenses/Options
18 Company Startups

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