

limitations, evaluation, the selection process, and other policies and procedures may be found in 10 CFR Part 605, and in the Application Guide for the Office of Science Financial Assistance Program. Electronic access to the Guide and required forms is made available via the World Wide Web at: <http://www.sc.doe.gov/production/grants/grants.html>. In addition, for this notice, the Project Description must be 20 pages or less, exclusive of attachments, and the application must contain a Table of Contents, an abstract or project summary, letters of intent from collaborators (if any) and short curriculum vitae consistent with National Institutes of Health guidelines. On the SC grant face page, form DOE F4650.2, in block 15, also provide the PI's phone number, fax number, and E-mail address. Lengthy application appendices are not encouraged.

The Office of Science as part of its grant regulations requires at 10 CFR 605.11(b) that a recipient receiving a grant and performing research involving recombinant DNA molecules and/or organisms and viruses containing recombinant DNA molecules shall comply with NIH "Guidelines for Research Involving Recombinant DNA Molecules," which is available via the world wide web at: <http://www.niehs.nih.gov/odhsb/biosafe/nih/rdna-apr98.pdf>, (59 FR 34496, July 5, 1994), or such later revision of those guidelines as may be published in the **Federal Register**.

The Catalog of Federal Domestic Assistance Number for this program is 81.049, and the solicitation control number is ERFAP 10 CFR part 605.

Issued in Washington, DC, on November 8, 1999.

John Rodney Clark,

Associate Director of Science for Resource Management.

[FR Doc. 99-30359 Filed 11-19-99; 8:45 am]

BILLING CODE 6450-01-U

DEPARTMENT OF ENERGY

Office of Science Financial Assistance Program Notice 00-03; Fundamental Plant and Microbial Research in Carbon Management

AGENCY: Department of Energy.

ACTION: Notice inviting grant applications.

SUMMARY: The Office of Basic Energy Sciences (BES), of the Office of Science (SC), U.S. Department of Energy (DOE), hereby announces its interest in receiving applications for research grants in the area of fundamental

research underlying potential strategies to reduce or limit gaseous carbon production from fossil fuel use.

Research-related activities in areas of interest to the Division of Energy Biosciences include biochemical, molecular genetic, and cellular mechanisms of carbon fixation metabolism in plants and microbes.

DATES: Applicants are strongly encouraged to submit a brief preapplication. All preapplications, referencing Program Notice 00-03, should be received by DOE by January 12, 2000. A response regarding the potential program relevance of the preapplication and encouraging or discouraging a formal application will be communicated to the applicant by January 31, 2000.

The deadline for receipt of formal applications is March 1, 2000, in order to be accepted for merit review and to permit timely consideration for award in Fiscal Year 2000.

ADDRESSES: All preapplications, referencing Program Notice 00-03, should be sent to Dr. Gregory L. Dilworth, Division of Energy Biosciences, SC-17, Office of Science, U.S. Department of Energy, 19901 Germantown Road, Germantown, MD 20874-1290.

Formal applications, referencing Program Notice 00-03, should be sent to: U.S. Department of Energy, Office of Science, Grants and Contracts Division, SC-64, 19901 Germantown Road, Germantown, MD 20874-1290, ATTN: Program Notice 00-03. This address must also be used when submitting applications by U.S. Postal Service Express Mail or any other commercial overnight delivery service, or when hand-carried by the applicant.

FOR FURTHER INFORMATION CONTACT: For questions concerning research topics in specific technical areas, contact: Dr. Gregory L. Dilworth, Division of Energy Biosciences, SC-17, Office of Science, U.S. Department of Energy, 19901 Germantown Road, Germantown, MD 20874-1290, telephone (301) 903-2873, fax (301) 903-1003, e-mail: greg.dilworth@science.doe.gov

The full text of Program Notice 00-03 is available via the Internet using the following web site address: <http://www.sc.doe.gov/production/grants/grants.html>.

SUPPLEMENTARY INFORMATION: Conversion of sunlight to fuels and chemicals by plants and microorganisms and the interconversion of greenhouse gases requires a better understanding of plant and microbial biochemistry, physiology, molecular biology, and the structure and function

of enzymes and sub-cellular components. Areas of specific interest include fundamental understanding in photosynthesis, photochemistry, photosynthetic and nonphotosynthetic carbon fixation, plant and microbial carbon biochemistry, regulatory control of plant assimilate allocation and transport, molecular regulatory mechanisms controlling carbon metabolism, and related areas of bioscience.

Program Funding

It is anticipated that up to \$4.8 million will be available for multiple grant awards to be made in FY 2000. Multiple year funding of grant awards is expected, and is also contingent on the availability of appropriated funds, progress of the research, and continuing program need. Applications received by the Office of Science under its normal competitive application mechanisms may also be deemed appropriate for consideration under this announcement and may be funded under this program.

Applicants may collaborate with researchers in other institutions, such as industry, non-profit organizations, federal laboratories and Federally Funded Research and Development Centers (FFRDCs), including the DOE National Laboratories. A parallel announcement with a similar potential total amount of funds will be issued for DOE Federally Funded Research and Development Centers. All projects will be evaluated using the same criteria, regardless of the submitting institution.

Applications will be subjected to scientific merit review (peer review) and will be evaluated against the following evaluation criteria listed in descending order of importance as codified at 10 CFR 605.10(d):

1. Scientific and/or Technical Merit of the Project,
2. Appropriateness of the Proposed Method or Approach,
3. Competency of Applicant's Personnel and Adequacy of Proposed Resources,
4. Reasonableness and Appropriateness of the Proposed Budget.

The evaluation will include program policy factors such as the relevance of the proposed research to the terms of the announcement and this agency's programmatic needs. Note, external peer reviewers are selected with regard to both their scientific expertise and the absence of conflict-of-interest issues. Non-federal reviewers may be used, and submission of an application constitutes agreement that this is acceptable to the investigator(s) and the submitting institution.

Information about the development, submission of applications, eligibility, limitations, evaluation, the selection process, and other policies and procedures may be found in 10 CFR part 605, and in the Application Guide for the Office of Science Financial Assistance Program. Electronic access to the Guide and required forms is made available via the World Wide Web at: <http://www.sc.doe.gov/production/grants/grants.html>. On the SC grant face page, form DOE F 4650.2, in block 15, also provide the PI's phone number, fax number and e-mail address. The research description must be 10 pages or less, exclusive of figure illustrations, and must contain an abstract or summary of the proposed research (to include the hypotheses being tested and the proposed experimental design). Attachments include curriculum vitae, a listing of all current and pending federal support, and letters of intent when collaborations are part of the proposed research.

The Catalog of Federal Domestic Assistance Number for this program is 81.049, and the solicitation control number is ERFAP 10 CFR part 605.

Issued in Washington, DC, on November 12, 1999.

John Rodney Clark,

Associate Director of Science for Resource Management.

[FR Doc. 99-30361 Filed 11-19-99; 8:45 am]

BILLING CODE 6450-01-P

DEPARTMENT OF ENERGY

Department of Energy Fiscal Year 2000 Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) Programs Request for Grant Applications

AGENCY: U.S. Department of Energy.

ACTION: Notice of availability of program solicitation for the request for grant applications for Fiscal Year 2000 Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) Programs.

SUMMARY: Notice is hereby given that under the authority of the Small Business Innovation Development Act of 1982 (Pub. L. 97-219) and reauthorized until the year 2000 by the Small Business Research and Development Enhancement Act of 1992 (Pub. L. 102-564); and the STTR program which was created by Title II of the Small Business Research and Development Enhancement Act of 1992 (Pub. L. 102-564), and reauthorized until the year 2001 by the Small Business Reauthorization Act of 1997

(Pub. L. 105-135), the Department of Energy (DOE) expects to award grants in the technical topics listed in the **SUPPLEMENTARY INFORMATION** section.

DATES: The solicitation for the DOE SBIR and STTR programs will be a single document this Fiscal Year (FY 2000) and will be available on the World Wide Web at <http://sbir.er.doe.gov/sbir> and <http://sttr.er.doe.gov/sttr> on or about November 29, 1999.

Applications in response to the solicitation must be received by 5:00 p.m., EST on Tuesday, February 29, 2000.

ADDRESSES: The solicitation requires all applications be submitted to the following address: SBIR/STTR Program Manager (SC-32), U.S. Department of Energy, 19901 Germantown Road, Germantown, MD 20874-1290. Phase I grant applications hand carried by the applicant may be delivered to the above mentioned address only. Applications will not be accepted by the Department at its Independence Avenue SW, Washington, D.C. address.

FOR FURTHER INFORMATION CONTACT: Julie Scott, Program Support Specialist, telephone (301) 903-0569. Those without Web access should either write to the SBIR/STTR Program Manager, SC-32, U.S. Department of Energy, 19901 Germantown Road, Germantown, MD 20874-1290, telephone (301) 903-1414, or e-mail sbir-sttr@science.doe.gov.

SUPPLEMENTARY INFORMATION: The objectives of the SBIR and STTR programs include increasing private sector commercialization of technology developed through DOE-supported R&D, stimulating technological innovation in the private sector, and improving the return on investment from federally-funded research for economic and social benefits to the nation. DOE will support high-quality research or research and development (R&D) on advanced concepts concerning important mission-related scientific or engineering problems and opportunities that could lead to significant public benefit if the research is successful.

For both SBIR and STTR, grant applications are sought for the following technical topics:

1. Improved Composite Materials and Processing Technologies;
2. High Performance Networks and Applications;
3. High-Speed Wireless Data-Link for Communicating from Downhole to the Surface while Drilling;
4. High-Temperature Electronics Development for Geothermal Applications;

5. Neutron Instrumentation;
6. Lithium-Based Battery Technology for Electric and Hybrid Vehicles;
7. Recovery, Recycle, and Re-Use of Polymers and Plastics;
8. Membranes for Advanced Industrial Separation Technologies;
9. Reactive Separations;
10. Development of Nonaqueous Enzymes for Chemical Production;
11. Integrative Analysis of Gene Expression in Plants and Non-Medical Microbes;
12. Genome, Structural Biology, and Related Biotechnologies;
13. Medical Sciences;
14. Biological Carbon Sequestration Research and Technology;
15. Carbon Cycle Measurements of the Atmosphere and the Biosphere;
16. Atmospheric Measurement Technology;
17. Advanced Monitoring Technologies for Soils, Sediments and Groundwater;
18. Technologies for Long-Term Monitoring of Contaminants at DOE Sites;
19. Technologies for Deactivation and Decommissioning;
20. Oil and Gas Technologies;
21. Advanced Power Systems;
22. Materials Research for Fossil Energy Applications;
23. Hydrogen and Fuels Technologies;
24. Hydrogen Program: Alternative Climate Friendly Process to Produce Fuels for Fuel Cells;
25. Fuel Cells for Buildings;
26. Advanced Technology for General Purpose Lighting;
27. Hybrid Electric Vehicle Technology;
28. BioProducts and BioEnergy Research;
29. Ocean Current Energy Capture;
30. Thermophotovoltaics;
31. Advanced Sensors and Data Analysis Techniques for National Security Applications;
32. Enabling Technologies for Active Optical Remote Sensor Systems;
33. Enabling Technologies for Passive Optical Remote Sensor Systems;
34. Nuclear Physics Instrumentation and Techniques;
35. Nuclear Physics Accelerator Technology;
36. Advanced Concepts and Technology for High Energy Physics Accelerators;
37. Radio Frequency Accelerator Technology for High Energy Physics Accelerators and Colliders;
38. High-Field Superconductor and Superconducting Magnet Technologies for High Energy Particle Colliders;
39. Technologies for the Next-Generation Electron-Positron Linear Collider;