



Spring 2009 Science & Technology Blasker Grant Guidelines

The following grant guidelines will help you prepare your grant proposal and assemble the required documentation. **Please note that all proposals are to be submitted online no later than 5:00 P.M. on Monday, February 9, 2009.**

Important information for all applicants:

- To be eligible for a grant from The San Diego Foundation, organizations must be located and provide services in San Diego County. Organizations must have 501c3 status. A 501c3 organization may serve as a fiscal sponsor for a charitable organization that does not have tax exempt status if a cooperative relationship between the two can be clearly demonstrated. The fiscal sponsor must be willing to administer the grant and provide regular financial reporting to The Foundation if it is awarded a grant.
- Follow the application checklist and instructions included in these guidelines. Only online application submissions will be accepted.

To apply, please visit our website and access our secure online grant forms.

You will be prompted to submit information directly into fields on the website. The bulk of the proposal must be submitted as an attached document. The online process is designed to allow you to stop and save your work at any time.

If you have any questions or difficulty, please contact our Community Grants Administrator: Kerri Favela at Kerri@sdfoundation.org or (619) 235-2300, extension 1329.

Spring 2009 Science and Technology Blasker Guidelines

The San Diego Foundation has made a significant commitment to funding innovative research and emerging scientists, and supporting science and mathematics education, and access to technology in the San Diego region. To meet this aim, The Foundation established the Science and Technology Working Group, which is composed of community experts in science, technology and education. The mission of this group is to improve knowledge in the fields of science and technology, identify the areas of greatest need and opportunity for improvement, and convene members of the community around critical issues.

The Science & Technology Working Group accomplishes this mission through three complementary but distinct grantmaking programs:

- The Blasker-Rose-Miah Fund for support of innovative research and early-career scientists.
- Scholarship support, in coordination with the scholarships team, for Science, Technology, Engineering and Math focused students attending community colleges and four-year institutions.
- Community Grants to improve math and science education in the San Diego region.

The Blasker-Rose-Miah Fund

The Blasker-Rose-Miah Fund was established at The San Diego Foundation “to nurture and develop unique and innovative discoveries and experiences which may be of benefit to all mankind, and to support and encourage individuals with high potential in the scientific, engineering, and medical fields to reach their full potential in their chosen areas of study, work, and analysis.”

Blasker Research Awards are awarded in two areas:

- Environment Blasker Research Awards and
- Science & Technology Blasker Research Awards

Science and Technology Blasker grant applicants are encouraged to apply for grants up to \$75,000.

To be eligible, proposed projects or programs must:

- Advance innovative, unique and creative scientific projects or research.
- Foster the development of individuals with high potential in the scientific, medical, and engineering fields to reach their potential in their chosen areas of study, work and analysis. Emphasis is placed on projects that stimulate and encourage early-career scientists with high potential. Early-career scientists are defined as those scientists’ at the critical early stage of their research programs, generally postgraduate and pre-tenured scientists.
- Be conducted in and have practical application for the San Diego Region
- The most competitive proposals will be those that match all of the above listed criteria.

Along with the above criteria, strength of the proposal and scientific merit evaluation will also consider the dissemination of information component and potential for multiple beneficiaries either in the form of students, co-investigators, or otherwise.

Along with supporting innovative research, projects may include but are not limited to: internships, fellowships, postdoctoral support and promotion of mentorship, but not scholarships. Preference will be given to individuals who have attended and graduated from a high school in San Diego County and are continuing their studies or research at an institution in San Diego.

Questions? Contact Sedra Shapiro at 619-235-2300 or sedra@sdfoundation.org.

THE SAN DIEGO FOUNDATION GRANT PROPOSAL CHECKLIST

Please submit the following items in one Word document or PDF file with the name of your organization, Science & Technology Blasker Spring 2009 Grant Cycle, and the requested amount in the upper right-hand corner of each page:

- Part A: Project Goals, Objectives, and Expected Results, (maximum of one page)
- Part B: Project Narrative, (maximum of five pages)
- Part C: Project Budget, (maximum of one page)
- Part D: Project Participant list (maximum of one page)
- Part E: CV, including a list of relevant publications if any (maximum of one page)
- A list of grants, if any, received and pending, by the applicant or co-applicant for this program/project (sources and amounts).
- A list of the organization's current Board of Directors, including each member's name, profession, and office held on the Board, if any. If a fiscal sponsor is applicable, please submit both applicant organization and fiscal sponsor information.

Please note: After you have submitted your application, we may request copies of audited financial statements, including notes and management letter(s), for the last two fiscal year(s). If audited financial statements are not yet complete for the most recently completed fiscal year, we may instead request unaudited statements for that year. For organizations with a total annual operating budget under \$500,000 and without audited financial statements, 990 tax forms or in-house statements verified and signed by an authorized representative of the organization are acceptable.

Part A: Project Goals, Objectives, and Expected Results

The statement of goals, objectives, and outcomes should be **NO MORE THAN ONE PAGE**.

Organization

A brief statement of your organization's mission, history, and population served.

Goals

Provide a single statement giving the overall goal of your proposed project.

Example:

- *To elucidate the regulatory mechanisms controlling expression of *Staphylococcus aureus* virulence factors as a necessary prerequisite to the development of therapeutic protocols capable of attenuating the diverse array of infections produced by these factors.*

Objectives

Objectives are the specific, measurable, and time-limited statements of purpose intended to guide your activities toward achieving the goal.

Examples:

- *The relationship between sar transcription and the production of functional SarA will be defined.*
- *S. aureus genes under the direct regulatory control of SarA will be identified.*

Expected Results

Expected results should describe what is expected to happen as a result of this grant.

Example:

- *Results of this study will support at least two peer-reviewed publications.*
- *Data from this research will form the basis of a preliminary studies section of an NIH proposal.*

Part B: Proposal Narrative

The following outline is specific to the **Blasker-Rose-Miah Fund for Science and Technology**. Please be sure to read the questions carefully and to answer each completely. Please limit your proposal narrative to a maximum of **five pages**. Clear and concise content, not length, is of greatest importance. Avoid scientific jargon whenever possible. Assume your audience represents the wider San Diego region (i.e., not only the scientific community).

Specific Aims

Give the broad, long-term objective and list the specific aims (goals) of the proposed research, e.g., to test a stated hypothesis, create a novel design, solve a specific problem, challenge an existing paradigm or clinical practice, address a critical barrier to progress in the field, or develop new technology.

Background and Significance

Briefly sketch the background leading to the present application, critically evaluate existing knowledge, and specifically identify the gaps that the project is intended to fill. State concisely the importance and relevance of the research described in this application by relating the specific aims to the broad, long-term objectives.

Application and Dissemination

If the aims of the proposed project are achieved, state how scientific knowledge or clinical practice will be advanced. Describe the effect of these studies on the concepts, methods, technologies, treatments, services or preventative interventions that drive this field. Describe what new information and any further implications this research may provide to your field as a whole. Also describe the potential practical applications of this research for the San Diego region. Describe how research results will be disseminated and how the grant may help to advance you as an applicant and any project participants.

Preliminary Studies

Use this section to provide an account of the principal investigator/program director's preliminary studies pertinent to this application. This information will help establish the experience and competence of the investigator to pursue the proposed project. You may include references to publications that are particularly relevant to the work being proposed.

Research Design and Methods

Describe the research design conceptual or clinical framework, procedures, and analyses to be used to accomplish the specific aims of the project. Include how the data will be collected, analyzed, and interpreted as well as the data-sharing plan as appropriate. Describe any new methodology and its advantage over existing methodologies. Describe any novel concepts, approaches, tools, or technologies for the proposed studies. Discuss the potential difficulties and limitations of the proposed procedures and alternative approaches to achieve the aims.

Part C: Proposal Budget

The requested budget should match the activities you describe in your project narrative. Please follow the sample format below and list only the categories that pertain to this grant request

Sample Organization Budget

Total Organization Budget: \$25,000,000

Total Project Budget: \$142,000

Total Amount Requested: \$73,000

Expense Categories	Requested Amount from TSDF	Matching	Total Project Budget
Salaries/benefits PI	\$5,000	\$45,000	\$50,000
Salaries/benefits Grad. Student	\$30,000	\$8,000	\$38,000
Expendable Project Expenses	\$12,000	\$3,000	\$15,000
• Glassware & Pippettes	\$5,000	\$0	• \$5,000
• Radioisotopes	\$5,000	\$0	• \$5,000
• Solvents	\$2,000	\$3,000	• \$8,000
Equipment - Mass spectrometer	\$25,000	\$10,000	\$35,000
Travel	\$1,000	\$3,000	\$4,000
Total	\$73,000	\$69,000	\$142,000

Budget Narrative: Immediately below the budget, provide a short description explaining each item in the budget and how these funds will be used to support the proposed project. ALL personnel must be identified by name (if identified), their position, role, level of effort and specific functions. List each item of equipment with

amount requested separately and justify each purchase. Itemize supplies in separate categories, such as glassware, chemicals, radioisotopes, etc. Categories in amounts less than \$1,000 do not have to be itemized. Itemize travel requests and provide the purpose and destination of each trip and the number of individuals for whom funds are requested. Itemize any other expenses by category and unit cost. These might include animal maintenance (unit care costs and number of care days), patient participation incentives, publication costs, computer charges, rentals and leases, equipment maintenance, service contracts, and tuition remission when budgeted separately from salary/fringe benefits. Items in the budget must be visibly relevant to the project proposal and evident in the project description.

Part D: Project Participant List

Please provide the following information for the person/persons responsible for implementing the project. The Project Participant List should be **NO MORE THAN ONE PAGE**.

1. Principal Investigator/Lead Applicant

- a. Prefix, First Name, Last Name
- b. Position/Title
(Examples: Professor, Senior Fellow, Associate Professor / Fellow, Assistant Professor, Post-Doctoral Researcher, Ph.D Graduate Student, Research Associate, Contracted Researcher, Volunteer,)

2. Co-Principal Investigator/Co-Applicant, If any

- a. Prefix, First Name, Last Name
- b. Position/Title
(Examples: Professor, Senior Fellow, Associate Professor / Fellow, Assistant Professor, Post-Doctoral Researcher, Graduate Student Research Associate, Contracted Researcher, Volunteer, Other)

3. Other Participants

Please identify the number of project participants and their associated position. If any participants will be seeking a degree as part of the project please identify the degree and advisor. Specific names are not required.

Post-Doctoral researcher	.25 FTE Lab of Dr. Donald Kennedy
Ph.D Graduate Student,	1 Advisor Dr. Ralph Cicerone
MS Student	2 Advisor Dr. Susan Gottesman
Research Technician	1.5
Undergraduate Biology Student	2
High school students	3, High Tech High