

# INTEGRATIVE GRADUATE EDUCATION AND RESEARCH TRAINEESHIP (IGERT) PROGRAM

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## *Program Solicitation*

**NSF 00-78**

**DEADLINE DATES:**

**2000 Competition**

**Preproposal: July 19, 2000**

**Full Proposal: January 26, 2001**

**2001 Competition**

**Preproposal: June 28, 2001**

**Full Proposal: January 18, 2002**

**DIRECTORATES FOR:**

**BIOLOGICAL SCIENCES**

**COMPUTER AND INFORMATION SCIENCE AND ENGINEERING**

**EDUCATION AND HUMAN RESOURCES**

**ENGINEERING**

**GEOSCIENCES**

**MATHEMATICAL AND PHYSICAL SCIENCES**

**SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES**

**OFFICE OF POLAR PROGRAMS**



**NATIONAL SCIENCE FOUNDATION**

groups. Provide the following information regarding recruitment and retention of students in the participating departments/programs: (1) total number of applicants, (2) total number of applicants accepted, (3) total number of applicants who enrolled, (4) total number of students currently enrolled in the program indicating part-time and full-time status, (5) total number of Ph.D.s awarded, (6) average time to degree, and (7) other relevant measures of student success. Additionally, provide separate data for women, underrepresented minorities, and persons with disabilities for each of the above categories. A tabular format should be used with separate tables for each participating department/program.

**i. Recent Training Experience** (1-page limit): Provide information about any recent experience with other traineeship programs, including a discussion of outcomes. If the IGERT program builds on a recent traineeship experience, discuss what would be the new value-added aspects of the IGERT project.

**j. Collaborators** (2-page limit): In order to identify potential conflicts of interest in the review process, provide a consolidated alphabetical list of current and past collaborators during the last four years, and their current institutional affiliation, for all participants listed in Section (C) a, above. This list must also include former graduate students and postdoctoral fellows who have been associated with the faculty participants over the last five years.

**k. Existing Facilities and Equipment** (1-page limit): Include a brief description of available facilities, including major instruments required for the research. If requested equipment or materials duplicate existing items, explain the need for the additional equipment.

**(D) References Cited** (3-page limit)

**(E) Biographical Sketches and Current Support** (2-page limit each for PI and co-PIs; 1-page limit each for other participants): For all participants listed in Section (C) a, above, provide a biographical sketch that includes a brief description of current research support. The sketch should include the individual's academic and professional history, and may include a list of the five most significant publications. Other activities or accomplishments may be listed. In choosing what to include, emphasize information that will be helpful for understanding the strengths, qualifications, and impact the individual will bring to the proposed IGERT project.

**(F) Budget and Allowable Costs** (NSF Form 1030): Provide a budget for each year of support requested, not to exceed \$500,000 each year for up to 5 years, exclusive of first-year equipment funds discussed below. The FastLane system will automatically fill out the cumulative 5-year budget for the proposal. The major portion of awarded funds must be used for doctoral student stipends, training and educational activities, and for related expenditures, such as student travel, publication costs, and recruitment. Travel funds should be budgeted in each year for the Principal Investigator and for an additional person to attend annual meetings at the NSF. No funds for faculty research or faculty salaries may be requested, with the exception that up to one month per year of salary support for the Principal Investigator for management purposes may be requested. Support for short-term visitors and funding of a limited amount of administrative support may be requested. The

NSF contribution to the graduate stipend is \$18,000 per year per student, with a cost-of-education allowance (tuition and normal fees) of \$10,500 per year per student. List funds requested for graduate students in Participant Support Costs: stipends in F.1, cost-of-education allowances in F.3, and travel in F. 2. Undergraduate stipends should be consistent with those of NSF's Research Experiences for Undergraduates (REU) program (<http://www.nsf.gov/cgi-bin/getpub?nsf00107>), and postdoctoral stipends may be determined by the institution. If applicable, they should be listed separately on lines B.4 and B.1, respectively. All stipend recipients must be citizens or permanent residents of the U.S.

Funds for the purchase of shared, special-purpose research equipment may be requested. Personnel and shop costs may be requested for developing and constructing special instruments, and for purchasing computer software or other special purpose materials. The total funds requested for research equipment, software, and special purpose materials may not exceed \$200,000; if awarded, these funds will be provided in the first year of the grant. Limited funds intended to partially defray the costs of research by students may also be requested. Funds for facility renovation or for equipment installation or maintenance are not allowed. Each award will carry an 8% overhead allowance based on the total direct cost, excluding equipment and cost-of-education allowances.

For multi-institution projects, the lead institution shall submit the proposal, with other participating institutions included under subcontracts. Budgets shall be provided for the overall project as well as individually for the lead institution and for each participating institution that receives a subcontract.

**Budget Justification (3-page limit):** A brief justification for funds in each budget category should be provided with Section (F), above. Indicate the number of graduate students to be supported and the duration of their support on IGERT funds. For shared equipment and special materials, specify the model, source, and current or expected cost whenever possible, with a brief explanation of the need for each requested item and a description of provisions for maintenance and operating expenses. Provide details of any commitments, including a listing of all relevant documentation, of other organizations expected to participate in the IGERT project, such as government, industry, or private foundations. If internships are planned, the willingness of the host organization, including foreign institutions, and of the individual mentors to participate should be included in the documentation. Do not list or include letters whose sole purpose is to endorse the project.

**(I) Supplementary Documentation:** Up to six letters of commitment may be provided as part of the proposal. They should be scanned and placed in this Section.

#### **D. Cost Sharing Requirements**

Cost sharing is not required by the IGERT program.

#### **E. Deadline Dates**