

NIH GUIDE

for GRANTS and CONTRACTS

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

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If your present address differs from that shown on
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Grants and Contract Guide Distribution Center,
Division of Research Grants, NIH, Room 219, Westwood
Building, Bethesda, Maryland 20014, and attach your
address label to your letter. Prompt notice of your
change of address will prevent your name from being
removed from our mailing list.

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The *GUIDE* is published at irregular intervals to provide policy and
administrative information to individuals and organizations who need
to be kept informed of requirements and changes in grants and contracts
activities administered by the National Institutes of Health.

Supplements, printed on yellow paper, are published by the respective
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NONACCEPTANCE OF PROGRAM PROJECT

AND CENTER APPLICATIONS,

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NOTICE

The National Institute of Allergy and Infectious Diseases announces that after the June 1, 1978, receipt date it will no longer accept applications for center grants except in response to specific requests for applications (RFAs). Further, individuals considering submission of program project applications to NIAID are advised to contact Institute staff concerning receptivity prior to development of the proposal. NIAID plans to publish Requests for Applications for fiscal year 1979 in the *NIH Guide for Grants and Contracts* subsequent to June 1, 1978.

SOCIAL AND BEHAVIORAL RESEARCH GRANT

APPLICATIONS SOUGHT BY THE NATIONAL

INSTITUTE OF DENTAL RESEARCH

ANNOUNCEMENT

The National Institute of Dental Research (NIDR) invites applications for basic and applied research in psychology, social psychology, sociology, cultural anthropology, epidemiology, health education, political sciences, economics, and other related disciplines whose theories and methodologies can be directed to improving understanding of oral diseases and conditions. The studies proposed should increase knowledge of relationships between specific social or behavioral factors and the incidence and prevalence, etiology, prevention, diagnosis, or treatment of oral diseases. A long-range goal of NIDR's overall research effort is to reduce both morbidity and costs associated with oral diseases and their treatment. Oral diseases and conditions of concern include caries, periodontal diseases, ulcerative disorders and oral cancers, bruxism, oral-facial pain disorders, malocclusion, and acquired or congenital oral-facial anomalies.

Of particular interest are studies to develop and evaluate interventions which may influence oral health practices of the public; these include studies relating to the adoption of effective preventive, diagnostic, or therapeutic technologies (e.g., community water fluoridation) by individuals, health personnel, and community and governmental entities. In addition, the NIDR is interested in studies of bio-behavioral phenomena, such as stress and visceral or motor learning, as they influence the etiology or treatment of oral diseases.

Also of interest are methodological studies to develop and evaluate socio-dental health indicators, studies of factors in the research community influencing the development or diffusion of innovations, and behavioral research dealing with prevention or reduction of stress, pain, or fear related to oral conditions or treatment.

Applicants responding to this announcement should use the standard NIH grant application kit (form PHS 398) and follow the procedures described therein. Applications will be received by the NIH Division of Research Grants, referred to an appropriate Study Section for scientific review, and assigned to the NIDR unless programmatic considerations indicate more appropriate assignment to an alternative awarding unit. There are three receipt dates each year for new applications: March 1, July 1, and November 1.

Preliminary drafts of the proposal and any other inquiries regarding this program may be addressed to either Dr. Aaron Ganz or Dr. Patricia Bryant, Pain and Behavioral Studies Program Area, National Institutes of Health, Room 505, Westwood Building, Bethesda, Maryland 20014 (telephone: [301] 496-7491).

SENIOR INTERNATIONAL FELLOWSHIPS

FOGARTY INTERNATIONAL CENTER

ANNOUNCEMENT

Cancelled 5/1/79

The Senior International Fellowship Program of the Fogarty International Center, NIH, provides opportunities to U.S. biomedical research and graduate level educational institutions to nominate outstanding staff members at mid-career, who have demonstrated productive scholarship and recognized stature in their profession, to go abroad to study and share their expertise as representatives of the best in the American health sciences. It is intended that this award be a career-enhancing educational experience with mutual benefits to all involved.

Fellowship awards are made for periods of three to twelve months for research and study in the health sciences at foreign host institutions. An applicant must be a U.S. citizen or permanent resident, have a full-time appointment at the U.S. institution, have at least five years' experience beyond the doctorate, and possess the linguistic skill appropriate to the host institution. Transportation costs, host institution allowance, and stipend are provided.

During the Fellowship period at the host institution the applicant is expected to pursue a specific, well-designed project of mutual interest related to his or her ongoing work as well as to that which will be continued upon return. The type of project would be dependent upon the professional discipline of the applicant, such as basic laboratory or clinical research, data collection and analysis, or operational research. The intrinsic technical merit of the project is one of several important

factors to be considered in evaluating the totality of an application as to its fulfillment of the basic purposes of the program. The following factors will be given weight in review of an application:

- qualifications of the applicant
- potentiality for career enhancement
- opportunity for close, interpersonal technical interchange
- benefit to the U.S. nominating institution
- benefit to the foreign host institution
- technical merit and significance of the project.

Applications cannot be considered as fulfilling the purposes of the program where there is not a sufficient period of time for in-depth interaction by the applicant with the host institution or where the benefit is primarily for only one of the parties. Thus applications having any of the following as the major feature cannot be accepted:

- visits to multiple institutions for brief periods
- attendance at conferences
- attendance in formal training courses
- provision of full-time clinical, technical, or teaching services
- completely independent study.

Application kits will be available in July and are sent only upon request from the offices of Deans or equivalent institutional officials. In addition to a project description and other supporting material, applications require nomination by the U.S. institution and a letter of invitation by a foreign host institution. The deadline for receipt of applications at NIH is December 1, 1978, with final selection by May 1979.

Further information may be obtained from:

Senior International Fellowship Program
Scholars and Fellowships Program Branch
Fogarty International Center
National Institutes of Health
Bethesda, Maryland 20014

(Dr. Mark S. Beaubien - telephone [301] 496-1653)

CORE CENTER GRANTS,

NIAMDD

NOTICE

CORRECTION

Note the following correction to the NIAMDD Core Center Grant Administrative Guidelines, May 1977 publication date. On page 5, paragraph IV (b) under Pilot and/or Feasibility Studies the last sentence should be corrected to read as follows: "Each pilot or feasibility study may be supported for no more than three years."

AVAILABILITY OF CHIMPANZEES FOR

HEPATITIS RESEARCH

NOTICE

The Division of Blood Diseases and Resources of the National Heart, Lung, and Blood Institute (NHLBI), National Institutes of Health, is interested in the use and development of the chimpanzee as a model for human hepatitis research. The Division maintains a sizable colony of chimpanzees under a contract with the New York University Medical Center in the Laboratory for Experimental Medicine and Surgery in Primates (LEMSIP), Sterling Forest, New York. A limited number of juvenile seronegative animals as well as hepatitis B antigen carriers are available for on-site use by the scientific community. Since the chimpanzees are a rare and expensive resource, a proposal to utilize this animal resource and the research project itself should be carefully designed and the proposal submitted to Dr. Luiz H. Barbosa, Room 4A08, Building 31, National Heart, Lung, and Blood Institute, National Institutes of Health, Bethesda, Maryland 20014. Proposals will be reviewed for scientific merit by outside consultants, and chimpanzees will be reserved for studies judged most likely to advance hepatitis research and lead to the elimination of the threat of hepatitis associated with the transfusion of blood and blood products.

The NHLBI has not set aside funding for the support of research that would utilize this chimpanzee resource. Investigators who may not have secured research funds at the time the proposal is submitted should indicate the source from which the funds have been requested and the anticipated date of funding. The user's source of funding may be from Federal or non-Federal sources. Should a proposal be recommended for chimpanzee use, the Division will reserve animals for a designated period of time. The time will be established on a case-by-case basis according to the conditions of the proposal. Once the investigator demonstrates that funding has been obtained for the proposal, the chimpanzee(s) will be released for the investigator's use. Investigators will also be provided with LEMSIP contract-supported staff assistance to assure optimal security and efficiency of procedures. Once the research is initiated, the investigator must assume the cost of all expenses associated with the chimpanzee for the agreed-upon period. These expenses include the daily maintenance cost of the animal (per diem) as well as expenses related to experimental procedures, such as liver biopsies and plasmapheresis.

This announcement supersedes that published in the August 1977 issue of *Hepatitis Scientific Memoranda*, page 8.

July 7, 1978, to Dr. Charles L. Turbyfill, Review Branch, Division of Extramural Affairs, National Heart, Lung, and Blood Institute, National Institutes of Health, Room 553, Westwood Building, 5333 Westbard Avenue, Bethesda, Maryland 20014.

The Institute requests such letters only to provide an indication of the number and scope of applications to be received. A letter of intent is not binding, it will not enter into the review of any proposal subsequently submitted, and it is not a requirement for application.

B. Application Format

Applications should be submitted on form PHS 398, the application form for the traditional research grant. The conventional presentation in format and detail for regular research grant applications should be used, ensuring that the points identified under the Review Criteria are fulfilled. A statement from collaborators (if any) indicating their willingness to work and interact in the project should be included.

C. Application Procedure

The receipt date for application is before 5:00 p.m., EST, on September 15, 1978. The original and 24 copies of the application should be sent or delivered to:

Division of Research Grants
National Institutes of Health
Room 240, Westwood Building
5333 Westbard Avenue
Bethesda, Maryland 20014

*outdated
5/79*

The outside of the mailing package should be labeled:

"Response to RFA NIH-NHLBI-DHVD-78G-J"

It is important that a brief covering letter accompany the application indicating that it is in response to this RFA - Interdisciplinary Studies on the Role of the CNS in Hypertension. A copy of the covering letter should be sent to:

Dr. Ronald G. Geller
Division of Heart and Vascular Diseases
National Heart, Lung, and Blood Institute
National Institutes of Health
Room 504, Federal Building
Bethesda, Maryland 20014

REVISION OF REQUIREMENTS FOR RESEARCH
PROJECT GRANT APPLICATION (FORM PHS 398)

NOTICE

The number of pages in research project grant applications submitted to the National Institutes of Health (NIH) and to the Alcohol, Drug Abuse, and Mental Health Administration (ADAMHA) has been increasing steadily over the past several years. This continuing growth in the volume of written materials being handled by the grants peer review system is not working to the advantage of either the applicants or the NIH/ADAMHA. There is no apparent correlation between the size of a grant application and the likelihood that it lead to an award. Moreover, the increased burden on the reviewers is making it continually more difficult to perform a thorough assessment of the technical merit of grant applications within the time periods and resources that can realistically be allotted for this purpose. Thus, the interests of all concerned would be served well if investigators would strive to limit the number of pages in their grant applications to the minimum that is needed to present and justify their requests. It is recognized that there are many factors that may contribute to making the size of the "research plan" shorter or longer. We ask, however, that you carefully review the information provided to ensure that it is concise and that any redundancy is eliminated.

An internal NIH committee, with ADAMHA representation, is now working to revise the instructions and format for the grant application form. Until the committee's work is completed, investigators are asked to observe the following in preparing research project grant (RO1) applications submitted to NIH and ADAMHA beginning with the October-November 1978 receipt dates:

1. Submit biographical sketches of no longer than three pages in accordance with the current instructions. An investigator's personal bibliography does not need to be exhaustive. Only representative and pertinent publications should be listed.
2. Give careful consideration to the number of pages used in preparing the "research plan."

Your cooperation will be appreciated. It will hopefully allay the need for more rigid instructions.

For further information, investigators are encouraged to contact:

Office of the Program Director
Neurological Disorders Program
National Institute of Neurological and
Communicative Disorders and Stroke
Room 710, Federal Building
Bethesda, Maryland 20014

Telephone: (301) 496-1431

OPPORTUNITIES FOR TRAINING

IN VISION RESEARCH,
NATIONAL EYE INSTITUTE

ANNOUNCEMENT

Predoctoral and postdoctoral laboratory and/or clinical research training opportunities related to vision and disorders of the visual system are available through appointments to National Research Service Award Institutional Research Training Programs supported by the National Eye Institute, NIH. Specifically, the National Eye Institute supports research training relevant to its five program areas: Retinal and Choroidal Diseases, Corneal Diseases, Cataract, Glaucoma, and Sensory-Motor Disorders of Vision and Rehabilitation. Research training is encouraged in all medical science disciplines as they apply to these five National Eye Institute program areas; foremost among these in terms of the perceived needs and opportunities in vision research are immunology, genetics, pharmacology, epidemiology, physiology, biostatistics, biochemistry, developmental biology, psychophysics, physiologic optics, and experimental and clinical pathology. For additional details on research training opportunities for careers in vision research contact:

Chief, Scientific Programs Branch
Extramural and Collaborative Programs
National Eye Institute
National Institutes of Health
Bethesda, Maryland 20014

REQUEST FOR RESEARCH GRANT APPLICATIONS: RFA
RESEARCH ON TRISOMY 21 (DOWN'S SYNDROME), NICHD

ANNOUNCEMENT

I. Introduction

The National Institute of Child Health and Human Development (NICHD), through the Mental Retardation and Developmental Disabilities Branch (MRDD) of the Center for Research for Mothers and Children (CRMC), invites applications for research grants on trisomy 21 (Down's syndrome).

II. Program Objectives

A major goal of the MRDD Branch, CRMC, is the primary prevention of mental retardation and other forms of developmental disabilities. When prevention is no longer feasible, ameliorative programs and techniques, both biomedical and behavioral, should be developed and applied.

Research in genetics, with a special thrust on trisomy 21, has been identified by the MRDD Branch as one of the areas which should be emphasized in its programming efforts. Since there is a dearth of fundamental information, considered to be of vital importance in the primary prevention of the condition, a concerted and coordinated research effort in Down's syndrome is being launched by NICHD. The Center for Research for Mothers and Children will be interested in receiving and funding scientifically meritorious research applications dealing with the following issues. The research topics are not listed in any order of priority nor are they intended to be exclusive of other areas of research which are relevant to the problem. We encourage not only the application of a broad range of experimental techniques, but also the utilization of different subjects including animals and man.

1. What are the mechanisms involved in, and the factors that contribute to, nondisjunction as related to Down's syndrome?
2. What factors contribute to the relative frequencies of different types of trisomies and to their subsequent survival with particular emphasis on trisomy 21?
3. How and when are the developmental consequences of chromosome imbalance in Down's syndrome expressed over the life-span; and, specifically, how does the extra genetic material, exemplified by trisomy 21, affect the phenotype prenatally and postnatally?
4. Detailed "map" of the genes present on chromosome 21, including investigations on the role that such genes may have on brain development and function as related to Down's syndrome.

III. Method of and Criteria for Review

- A. Assignment of Applications: Applications should be submitted to the Division of Research Grants, NIH, which will then assign each project to an appropriate study section for scientific review. Award of grants in response to this request for grant applications is contingent upon ultimate receipt of funds.
- B. Review Procedures: Applications in response to this invitation will be reviewed on a nation-wide basis in competition with each other and in accord with the usual NIH peer review procedures. They will first be reviewed for scientific and technical merit by a review group and then by an advisory council. Review criteria customarily employed by the NIH for regular research grant applications will prevail.

IV. Receipt Dates for Submission

Applications will be accepted in accordance with the usual receipt dates for new applications: July 1, November 1, and March 1.

V. Method of Applying

Applications should be submitted on form PHS 398, which is available in the business or grants and contracts office at most academic and research institutions. The phrase "PREPARED IN RESPONSE TO TRISOMY 21 (DOWN'S SYNDROME) INVITATION" should be typed across the top of the first page of the application. The original and six copies of the application should be sent or delivered to:

Application Receipt
Division of Research Grants
National Institutes of Health
Room 240, Westwood Building
Bethesda, Maryland 20016

For further information, potential applicants may contact:

Dr. Felix de la Cruz
MRDD Branch
Center for Research for Mothers
and Children
National Institute of Child
Health and Human Development
Bethesda, Maryland 20014

Telephone: (301) 496-1383

AVAILABILITY OF A P4 LABORATORY

FOR

RECOMBINANT DNA RESEARCH

NOTICE

The NIH now has a certified facility of limited size at Frederick, Maryland, to accommodate recombinant DNA molecule research at the P4 level. In order to satisfy immediate research needs, this is one of a small array of existing high-containment laboratories being made available at the P4 level. While this laboratory will be initially dedicated to a series of high priority risk-assessment studies it is expected that the facility will become available for the conduct of experiments by other scientists near the end of 1978. Another P4 facility at the NIH is expected to be certified at about the same time.

NIH will accept applications from investigators to work in the P4 facilities and the due date for applications is October 1, 1978.

Applications will be accepted from any scientists receiving funds from a U.S. Federal agency (e.g., staff scientists, grantees or contractors of NIH, NSF, USDA, etc.) or scientists supported by U.S. nonprofit private foundations (e.g., the American Cancer Society, the Leukemia Society of America, the Helen Hay Whitney Foundation), privately endowed research institutions, etc.

Application for use of the P4 laboratories should be submitted to the Office of Recombinant DNA Activities, Room 4A52, Building 31, National Institutes of Health, Bethesda, Maryland 20014, and the following information must be included:

- a. A description of the project justifying the use of a P4 facility and evidence that the proposed experiments are an integral part of ongoing studies.
- b. A properly executed Memorandum of Understanding and Agreement for the proposed project which has been reviewed and approved by the applicant's Institutional Biohazards Committee.
- c. Estimates of the time required for the experiments in the P4 facility, technical staff assistance needed, and a listing of highly specialized equipment, instrumentation, or other resources required.

Priority rankings of approved projects will be used in determining the order of access to the P4 facilities and will be assigned to the applications by the NIH Executive Recombinant DNA Committee supplemented by ad hoc consultants. Special consideration will be given to risk-assessment experiments. Applicants will then be notified of the approximate period of time when the P4 laboratory will be available for their use and the arrangements will be confirmed three months in advance. In most cases, the investigators may not be required to bring their own technicians. A resident staff trained

in the proper use of the P4 facilities and in the general techniques employed in recombinant DNA research will be available to assist the visiting investigator.

Complete details for accommodating the visiting investigator will be developed by the Office of Specialized Research and Facilities, National Institute of Allergy and Infectious Diseases. There will be no fee for the use of the facility. NIH will supply staff support and some materials (glassware, media, etc.) but will not pay for transportation or per diem of the guest investigators or research materials specific to an individual project.