

NIH GUIDE

For Grants and Contracts

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U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

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The NIH Guide announces scientific
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NOTICE

PROTECTING HUMAN SUBJECTS - A SERIES OF INSTRUCTIONAL
VIDEOTAPES.....1
National Institutes of Health
Food and Drug Administration
Index: NATIONAL INSTITUTES OF HEALTHH
FOOD AND DRUG ADMINISTRATION
HUMAN SUBJECTS

DATED ANNOUNCEMENTS (RFPSs and RFAs AVAILABLE)

CANCER PREVENTION AWARENESS: THE BLACK COLLEGE AS A RESOURCE (RFP).....2
National Cancer Institute
Index: CANCER

OCC COMMUNITY SUPPORT CONTRACT (RFP).....2
National Cancer Institute
Index: CANCER

MULTICHANNEL, MULTIPLEXED, INTRACORTICAL RECORDING
ELECTRODE ARRAYS (RFP).....3
National Institute of Neurological and Communicative Disorders
and Stroke
Index: NEUROLOGICAL AND COMMUNICATIVE DISORDERS AND STROKE

COATINGS FOR PROTECTION OF INTEGRATED CIRCUITS (RFP).....3
National Institute of Neurological and Communicative Disorders
and Stroke
Index: NEUROLOGICAL AND COMMUNICATIVE DISORDERS AND STROKE

AVAILABILITY OF ADDITIONAL POSTDOCTORAL POSITIONS ON EXISTING
INSTITUTIONAL NRSA TRAINING GRANTS (RFA).....4
National Institute of Diabetes and Digestive and Kidney Diseases
National Institute of Allergy and Infectious Diseases
Index: DIABETES AND DIGESTIVE AND KIDNEY DISEASES
ALLERGY AND INFECTIOUS DISEASES

SOCIAL AND DEMOGRAPHIC RESEARCH ON INFANT MORTALITY AND LOW
BIRTHWEIGHT (RFA).....6
National Institute of Child Health and Human Development
Index: CHILD HEALTH AND HUMAN DEVELOPMENT

STUDIES OF MORPHOGENESIS AND MALFORMATIONS OF THE SKIN (RFA).....7
National Institute of Child Health and Human Development
Index: CHILD HEALTH AND HUMAN DEVELOPMENT

ERRATUM

ERRORS IN NUMBERING OF NIH GUIDE ISSUES.....8
National Institutes of Health
Index: NATIONAL INSTITUTES OF HEALTH

ADDENDA

GROWTH FACTORS OF THE KIDNEY, GENITOURINARY AND HEMATOLOGIC SYSTEMS.....8
National Institute of Diabetes and Digestive and Kidney Disease
Index: DIABETES AND DIGESTIVE AND KIDNEY DISEASES
HEART, LUNG AND BLOOD INSTITUTE

ERYTHROPOIETIN REGULATED EXPRESSION, RECEPTION, AND
MODULATION OF CELLULAR DIFFERENTIATION.....8
National Institute of Diabetes and Digestive and Kidney Diseases
Index: DIABETES AND DIGESTIVE AND KIDNEY DISEASES
HEART, LUNG, AND BLOOD INSTITUTE

NOTICE

PROTECTING HUMAN SUBJECTS - A SERIES OF INSTRUCTIONAL
VIDEOTAPES

P.T. 16; K.W. 0783005

National Institutes of Health
Food and Drug Administration

The National Institutes of Health and the Food and Drug Administration recently issued a new videotaped series entitled "Protecting Human Subjects," consisting of three consists of three instructional videotapes. The videotapes are designed for a variety of audiences, such as researchers, Institutional Review Board (IRB) members, institutional officials, medical and research students, and other research team members.

The videotapes represent a Public Health Service (PH)-wide collaborative effort, involving two PHS components: the Food and Drug Administration and the National Institutes of Health. These videotapes capture various features of a program to protect human subjects of research. The original supply of the new videotape series was mailed out to all institutions of record holding assurances, specifically the chairman of the Institutional Review Board (IRB) or the Institutional Official. In addition, the videotapes were mailed out to several Regional Medical Libraries listed below, and are available on interlibrary loan:

Region 1 - (States served: CT, DE, ME, NH, NJ, NY, PA,
RI, VT, and Puerto Rico)

GREATER NORTHEASTERN REGIONAL MEDICAL
LIBRARY PROGRAM (GNRMLP)
The New York Academy of Medicine
2 East 103rd Street
New York, NY 10029
Telephone: (212) 876-8763

Region 2 - (States served: AL, FL, GA, MD, MS, NC, SC,
TN, VA, WV, District of Columbia, and Virgin Islands)

SOUTHEASTERN/ATLANTIC REGIONAL MEDICAL
LIBRARY SERVICES (SARMLS)
University of Maryland
Health Sciences Library
111 South Greene Street
Baltimore, MD 21201

Region 3 - (States served: IA, IL, IN, KY, MI, MN, ND,
OH, SD, WI)

GREATER MIDWEST REGIONAL MEDICAL LIBRARY NETWORK (GMRMLN)
University of Illinois at Chicago
Library of the Health Sciences
P.O. Box 7509
Chicago, IL 60680
Telephone: (312) 996-2464

Region 4 - (States served: CO, KS, MO, NE, UT, WY)

MIDCONTINENTAL REGIONAL MEDICAL LIBRARY PROGRAM (MCRMLP)

University of Nebraska
Medical Center Library
42nd and Dewey Avenue
Omaha, NE 68105-1065
Telephone: (402) 559-4326

Region 5 - (States served: AR, LA, NM, OK, TX)

SOUTH CENTRAL REGIONAL MEDICAL LIBRARY PROGRAM (TALON) The
The University of Texas
Health Science Center at Dallas
5323 Harry Hines Boulevard
Dallas, TX 75235-9049
Telephone: (214) 688-2085

Region 6 - (States served: AK, OD, MT, OR, WA)

PACIFIC NORTHWEST REGIONAL HEALTH SCIENCES
LIBRARY SERVICE (PNRHSLs)
Health Sciences Library and Information Center
University of Washington
Seattle, WA 98195

Region 7 - (States served: AZ, CA, HI, NV, and U.S.
Territories in the Pacific Basin)

PACIFIC SOUTHWEST REGIONAL MEDICAL
LIBRARY SERVICE (PSRMLS)
UCLA Biomedical Library
Center for the Health Sciences
10833 Le Conte Avenue
Los Angeles, CA 90024
Telephone: (213) 825-1200

The videotapes may be duplicated for institutional usage without restriction except for commercial broadcasting purposes. If you would like to obtain your own copy of the videotapes, please contact the Chairman of your IRB; the Institutional Official; or one of the Regional Medical Libraries and make arrangements to borrow the videotapes for duplication. The User Guide is in preparation and will be supplied at a later date.

DATED ANNOUNCEMENTS (RFPs and RFAs AVAILABLE)

CANCER PREVENTION AWARENESS: THE BLACK COLLEGE AS A RESOURCE

RFP AVAILABLE: NCI-CO-74107-40

P.T. 16, FC; K.W. 0715035, 0745055

National Cancer Institute

The National Cancer Institute, Prevention and Control Contracts Section, is soliciting Requests for Proposals (RFP) for the development and implementation of effective diffusion strategies which utilize a black college/university in the dissemination of information about cancer to the black population.

The offeror's proposal must include a letter of commitment from a black college/university.

RFP NCI-CO-74107-40 will be available approximately April 3, 1987. After this announcement appears in the Commerce Business Daily (CBD), the proposals will be due 45 calendar days from the actual date of the RFP issuance. A reading room will be made available.

Copies of the RFP may be obtained by sending a written request, citing the RFP number, to:

Teresa A. Baughman
Contract Specialist
National Cancer Institute, NIH
Research Contracts Branch
Blair Building, Room 314
Bethesda, Maryland 20892
Telephone: (301) 427-8877

OCC COMMUNITY SUPPORT CONTRACT

RFP AVAILABLE: NCI-CO-74106-10

P.T. 16; K.W. 0715035, 0403004

National Cancer Institute

The National Cancer Institute, Prevention and Control Contracts Section, is soliciting Proposals for a Master Agreement on projects to support the planning, development, implementation of public information projects which require application at the regional or local level.

RFP NCI-CO-74106-10 will be available approximately April 3, 1987. After this announcement appears in the Commerce Business Daily (CBD), the proposals will be due 45 calendar days from the actual date of the RFP issuance. A reading room will be made available.

Copies of the RFP may be obtained by sending a written request, citing the RFP number to:

Joan E. O'Brien
Contract Specialist
National Cancer Institute, NIH
Research Contracts Branch
Blair Building, Room 314
Bethesda, MD 20892
Telephone: (301) 427-8877

MULTICHANNEL, MULTIPLEXED, INTRACORTICAL RECORDING ELECTRODE ARRAYS

RFP AVAILABLE: NIH-NINCDS-87-06

P.T. 34; K.W. 0735000, 0706010, 0705055

National Institute of Neurological and Communicative Disorders
and Stroke

The National Institute of Neurological and Communicative Disorders and Stroke has a requirement to design, fabricate and test integrated multiplexed multiple electrode intracortical recording probes.

Offerors must have access to custom-integrated circuit fabrication facilities, experience recording biological potentials from the nervous systems of living organisms, and experience with protecting integrated circuits from saline environments.

This is an announcement of an anticipated Request for Proposals. RFP-NIH-NINCDS-87-06 will be issued on or about March 27, 1987, with a closing date for receipt of proposals set for May 28, 1987.

To receive a copy of the RFP, please supply this office with two self-addressed mailing labels. All responsible sources may submit a proposal which shall be considered by the agency. Requests for copies of the RFP will be honored if received within 20 calendar days after the scheduled issue date of the RFP. Requests received after this period will be filled on a first-come, first-served basis until the supply is exhausted. The RFP package will be available upon written request to:

Contracting Officer, Contracts Management Branch
NINCDS
National Institutes of Health
Federal Building, Room 901
Bethesda, Maryland 20892

This announcement represents a recompetition of a contract currently being performed by the University of Michigan and the incumbent is expected to reply.

COATINGS FOR PROTECTION OF INTEGRATED CIRCUITS

RFP AVAILABLE: NIH-NINCDS-87-07

P.T. 34; K.W. 0706000, 0706010, 0706040, 0740050

National Institute of Neurological and Communicative Disorders
and Stroke

The National Institute of Neurological and Communicative Disorders and Stroke has a requirement to develop and evaluate materials as protective, thin film coatings on integrated circuits for use with non-hermetically sealed, implantable neural prosthesis.

Offerors must have experience with coating for protection of electrical circuits from hostile environments and expertise in testing electrical properties of insulators.

This is an announcement of an anticipated Request for Proposals. RFP-NIH-NINCDS-87-07 will be issued on or about March 27, 1987, with a closing date for receipt of proposals set for May 28, 1987.

To receive a copy of the RFP, please supply this office with two self-addressed mailing labels. All responsible sources may submit a proposal which shall be considered by the agency. Requests for copies of the RFP will be honored if received within 20 calendar days after the scheduled issue date of the RFP. Requests received after this period will be filled on a first-come, first-served basis until the supply is exhausted. The RFP package will be available upon written request to:

Contracting Officer, Contracts Management Branch
NINCDS
National Institutes of Health
Federal Building, Room 901
Bethesda, Maryland 20892

This announcement represents a recompetition of a contract currently being performed by the University of Missouri and the incumbent is expected to reply.

AVAILABILITY OF ADDITIONAL POSTDOCTORAL POSITIONS ON EXISTING
INSTITUTIONAL NRSA TRAINING GRANTS

RFA 87-AI-16

P.T. 44; K.W. 0720005, 0710070, 0785050

National Institute of Allergy and Infectious Diseases
National Institute of Diabetes and Digestive and Kidney Diseases

Application Receipt Date: May 15, 1987

PURPOSE

The National Institute of Allergy and Infectious Diseases and the National Institute of Diabetes and Digestive and Kidney Diseases are interested in providing training opportunities in immunology for physicians with a background in diabetes or endocrinology.

BACKGROUND

Concepts and techniques developed in immunology are relevant to understanding the pathogenesis of diabetes and autoimmune endocrine diseases. The role of HLA antigens, immune regulatory cells, antigen-antibody interactions, and other immune phenomena are being actively investigated as etiologic factors in diabetes and autoimmune endocrine disorders. Parallels between the regulation of secretion and the mechanism of action of traditional endocrine hormones and of cytokines or locally active peptides produced by the immune system have recently been appreciated. In fact, pituitary and hypothalamic peptides, which long have been known to regulate immune functions, are now found to be actually produced by immunocompetent cells. This suggests an integration of the endocrine and immune systems with important implications for the function of both systems.

PROGRAM SPECIFICATIONS

The proposed training program for these supplemental positions must be described in detail, including the potential for interactive opportunities to study immune phenomena in endocrine disorders. In this regard, at least one intrainstitutional faculty member should be identified who is an experienced endocrinologist with a track record in training students and fellows in endocrinology, and whose presence in the program would enhance such interactive opportunities. A combined integrated program should be designed by the immunology faculty in collaboration with the endocrinology faculty to achieve the purpose of maximum interaction. The application should describe the strengths in clinical endocrinology and endocrinology research in the institutional environment. Background information should be provided in the application regarding the specific strengths of the immunology training program and how this would fit in the training of the fellow or fellows. The information should include the total number of trainees in the current program.

ELIGIBILITY AND MECHANISM OF SUPPORT

Only program directors of institutional NRSA immunology training grants which are currently being supported by NIAID are eligible to apply for this supplement. Each program director may request up to three additional postdoctoral training positions for up to four years. The start date is July 1, 1987. Depending upon the number of meritorious applications received, up to ten positions may be supported as a result of this RFA. This RFA may be readvertised, contingent upon the availability of funds and the success of the program.

METHOD OF SELECTING FELLOWS

The application also must specify methods for soliciting physicians with expertise in clinical diabetes or endocrinology and criteria for selecting trainees. The fellows to be selected should have completed their training in endocrinology or diabetes as a subspecialty of internal medicine or pediatrics.

REVIEW PROCEDURES

The applications will undergo peer review by the Allergy and Clinical Immunology Research Subcommittee, of the Allergy, Immunology and Transplantation Committee of the NIAID, at its June 1987 meeting. Review will be guided by the elements described under "Program Specifications" above. Applications considered non-responsive to the RFA or received past the receipt date will be returned to the applicant.

METHOD OF APPLYING

The application should be prepared on Form PHS 398 or PHS 6025-1 (Rev. 1-83), which may be obtained from the business office of the institution or from the Division of Research Grants, NIH. In item 2 of the face page of the application, enter the RFA number and "NIAID: Supplement to Immunology NRSA Grant." Applications must be received by May 15, 1987. The original and four copies of the application should be sent or delivered to:

Grant Application Receipt Office
Division of Research Grants
National Institutes of Health
Westwood Building - Room 240
5333 Westbard Avenue
Bethesda, Maryland 20892-4500

In order to expedite review, two copies should also be sent to:

Nirmal K. Das, Ph.D.
Executive Secretary
Allergy, Immunology, and Transplantation
Research Committee
Westwood Building - Room 706
National Institute of Allergy and
Infectious Diseases
Bethesda, Maryland 20892
Telephone: (301) 496-7966

The executive secretary should be contacted if there are questions pertaining to review.

INQUIRIES

For additional programmatic information contact:

Sheldon Cohen, M.D.
Director, Immunology, Allergic and Immunologic Diseases
Program, National Institute of Allergy and Infectious
Diseases
Building 31, Room 7A52
Bethesda, Maryland 20892
Telephone: (301) 496-1886

or

Lois F. Lipsett, Ph.D.
Chief, Special Programs Branch
Division of Diabetes, Endocrinology, and Metabolic Diseases
National Institute of Diabetes and Digestive and Kidney
Diseases
Westwood Building, Room 620
Bethesda, MD 20892
Telephone: (301) 496-7433

This program is described in the Catalog of Federal Domestic Assistance No. 13.885, Immunology, Allergic and Immunologic Diseases Research. Awards will be made under the authority of the Public Health Service Act, Title III, Section 301 (Public Law 78-410, as amended; 42 USC 241) and administered under PHS grant policies and Federal Regulation 42 CFR Part 74. The program is not subject to the intergovernmental review requirements of Executive Order 12372 or Health Systems Agency review.

SOCIAL AND DEMOGRAPHIC RESEARCH ON INFANT MORTALITY AND LOW BIRTHWEIGHT

RFA AVAILABLE: 87-HD-06

P.T. 34; K.W. 0413001, 0403020, 1002012

National Institute of Child Health and Human Development

Application Receipt Date: June 15, 1987

BACKGROUND INFORMATION

The Demographic and Behavioral Sciences Branch (DBSB), Center for Population Research (CPR), National Institute of Child Health and Human Development (NICHD), supports research on demographic processes, including infant mortality. This RFA invites scientists to submit grant applications for the support of research on social, demographic, economic, and behavioral aspects of infant mortality and low birthweight, especially as they relate to racial and ethnic differences in the U.S. In 1985, a subcommittee of the DHHS Task Force on Black and Minority Health assessed the state of knowledge regarding racial and ethnic differences in infant mortality and low birthweight and made a number of recommendations, some of which relate to social and behavioral research. One goal of this solicitation is to encourage scientists to address these research recommendations. VOLUME VI: INFANT MORTALITY AND LOW BIRTHWEIGHT of the REPORT OF THE SECRETARY'S TASK FORCE ON BLACK AND MINORITY HEALTH may be obtained by contacting: Inter-America Research Associates, 1555 Wilson Boulevard, Arlington, VA 22209, (703) 522-0870. Applicants are not required to address a specific research recommendation from this report although it is desirable for these issues to be considered.

RESEARCH GOALS AND SCOPE

The goal of this RFA is to support social and demographic research on infant mortality and low birthweight. While there are clearly biological processes related to poor infant outcome, it is also clear that there are powerful social and behavioral correlates as well. While the infant mortality rate is the lowest ever observed in the U.S., both for blacks and for whites, it is twice as high for blacks as for whites. Other racial/ethnic groups show patterns of disadvantage in infant outcome but may vary as to whether these patterns are reflected in low birthweight rates or infant mortality. The state of knowledge regarding racial/ethnic differences has been reviewed in the report cited above. While applicants are not required to address specific issues raised in that volume, they are urged to consider the review and research recommendations. Within the context of social and demographic research on infant mortality and low birthweight, there is an expectation that such research will help illuminate the racial and ethnic differences observed in the U.S.

Applicants may elect to collect new data or to analyze existing data. If new data collection is planned, applicants should show how existing data are inadequate for the purposes of the research. If existing data are proposed for analysis, applicants should show that the data are available to them and are adequate for the problem under study. Research is not restricted to contemporary or U.S. data, but historical or comparative research should show clearly how it will further the understanding of the issues posed in the RFA.

MECHANISM OF SUPPORT

Support for this program will be through the traditional research grant. Policies that govern research grant programs of the National Institutes of Health will prevail. It is anticipated that up to five projects will be funded contingent on the overall merit of the proposed research and the availability of funds.

APPLICATION AND REVIEW PROCEDURE

Applications submitted in response to this RFA will be reviewed for scientific merit by an initial review group which will be convened by the Scientific Review Program of the National Institute of Child Health and Human Development (NICHD) to review only these applications.

The factors to be used in evaluating the scientific merit of each application will include originality of the proposed research and originality of approach; quality of theoretical-conceptual framework; adequacy of research design; appropriateness of data analysis techniques; suitability of facilities; training, experience, and research competence of investigators; and soundness of proposed budget. These criteria will be used to evaluate each application relative to the goals of the subject RFA.

To receive copies of the full RFA and to receive further information, contact:

Wendy Baldwin, Ph.D.
Demographic and Behavioral Sciences Branch
Center for Population Research, NICHD
Room 7C25, Landow Building
7910 Woodmont Avenue
Bethesda, Maryland 20892
Telephone: (301) 496-1174

STUDIES OF MORPHOGENESIS AND MALFORMATIONS OF THE SKIN

RFA AVAILABLE: 87-HD-07

P.T. 34; K.W. 1002059, 0715185, 0775030

National Institute of Child Health and Human Development

Application Receipt Date: September 15, 1987

The Genetics and Teratology Branch (GTB) of the Center for Research for Mothers and Children (CRMC) of the National Institute of Child Health and Human Development (NICHD) invites research grant applications for studies of the morphogenesis and malformations of the skin. By issuing this request for applications (RFA), the Branch is encouraging investigators' interest in a new research emphasis area important to the Institute's mission.

BACKGROUND

Studies of skin development are important in view of the fact that developmentally-caused skin malformations constitute a spectrum of birth defects that range from relatively mild conditions to severely disabling and sometimes even fatal disease. Congenital skin defects can include painful blistering disorders, keratinization abnormalities, pigment cell anomalies, epidermal dysplasias, and other aberrations of the integumentary system. Although these disorders are recognized in early postnatal life as morphological anomalies, they may in fact originate from structural, functional or biochemical errors that are initiated in the embryonic or fetal skin before birth. Morphological characteristics of the developing fetal skin have already been successfully employed for the prenatal diagnosis of some congenital skin disorders. The list of prenatally diagnosable skin diseases may now be greatly expanded with the utilization of the newer prenatal diagnostic techniques such as chorionic villi sampling to look for abnormal gene structure. Such advances in the prenatal detection of skin disorders are, however, contingent upon an increased understanding of the molecular and developmental basis of skin malformations. NICHD, therefore, encourages this emphasis on basic biological studies combined with clinical investigations of the development of the integument that should aid in the prevention of developmentally-caused skin malformations in the future.

RESEARCH GOALS

This RFA encourages research into the development of the skin. Structural aspects of skin development can be included but increased emphasis should be placed on molecular, cellular, and developmental contributions to skin maturation that have not been adequately covered to date. Studies are sought that include examination of intrinsic factors and of non-genetic embryonic, intra-uterine, and exogenous factors that influence the developmental activation and switching of cutaneous genes. Investigations are encouraged to examine the expression of protein, glycoprotein, proteoglycan and lipid markers that characterize differentiation of the developing skin, and that form the skin's epidermis, dermis, and its basement membrane zone (dermal-epidermal junction) that separates these two tissue layers. Studies of epidermal maturation should include examinations of the periderm, of the epidermis' macromolecular components, and of stem and immigrant cell and of the dermis' contributions to epidermal tissue structure. The dermis' investigations should contain examinations of extracellular matrix maturation and of the role of the matrix components and of epidermal and developing nerve and vascular network contributions to the dermis' acquisition of function and shape. Studies of dermal-epidermal junction development need to include the developmental regulation of junctional components and their relation to the structural maturation of the basement membrane zone. Investigations into various causes of abnormal skin maturation are also of interest, as are studies that foster application of the basic knowledge to clinical problems in order to establish improved prenatal diagnoses of developmentally-caused skin malformations. Human and other mammalian models are preferred but studies using nonmammalian models or cell or organ culture systems that contribute to our knowledge of cutaneous maturation and the production of developmentally-caused skin deformities in the human are also sought.

STAFF CONTACT

For further information and a copy of the RFA contact:

Anne K. Krey, or
Delbert H. Dayton, M.D.
Genetics and Teratology Branch
Center for Research for Mothers and Children
National Institute of Child Health and Human Development
National Institutes of Health
Landow Building, Room 7C08
Bethesda, Maryland 20892
Telephone: (301) 496-5541

ERRATUM

ERRORS IN NUMBERING OF NIH GUIDE ISSUES

Recent errors in editing and schedule changes have created some confusion about issues that were shipped or incorrectly numbered. The Guide staff offers the following information with apologies to our readers.

- o February 20, 1987: The cover sheet incorrectly identifies this issue as Vol. 16, No. 6. It is actually Vol. 16, No. 7, as indicated correctly in the table of contents.
- o February 27, 1987: There was no Guide published.
- o March 6, 1987: This issue was identified as Vol. 16, No. 9. Please note that there is no No. 8 in the series.

ADDENDA

GROWTH FACTORS OF THE KIDNEY, GENITOURINARY AND HEMATOLOGIC SYSTEMS

RFA 87-DK-03

P.T. 34, K.W. 0760020, 0705075, 0785070, 0765035, 1002004, 1002008, 1002017, 0785050, 0710070, 0710100

National Institute of Diabetes and Digestive and Kidney Disease

Application Receipt Date: April 1, 1987

The announcement of this RFA in the Vol. 15, No. 31, December 26, 1986 issue of the NIH Guide for Grants and Contracts failed to indicate that the NATIONAL HEART, LUNG, AND BLOOD INSTITUTE has a continuing interest in the support of research on growth factors of the hematopoietic system. Applications received in response to this RFA that are related to hematologic systems will be considered for funding by both the National Institute of Diabetes and Digestive and Kidney Diseases and the NATIONAL HEART, LUNG, AND BLOOD INSTITUTE.

ERYTHROPOIETIN REGULATED EXPRESSION, RECEPTION, AND MODULATION OF CELLULAR DIFFERENTIATION

RFA 87-DK-06

P.T. 34; K.W. 0760020, 1002004, 1002008, 0760075, 0790000, 1002019, 0765015

Application Receipt Date: April 1, 1987

National Institute of Diabetes and Digestive and Kidney Diseases

The announcement of this RFA in the Vol. 15, No. 31, December 26, 1986 issue of the NIH Guide for Grants and Contracts failed to indicate that the NATIONAL HEART, LUNG, AND BLOOD INSTITUTE has a long standing interest in the support of research on erythropoietin, erythropoiesis, and erythroid differentiation. Applications received in response to this RFA that are related to hematologic systems will be considered for funding by both the National Institute of Diabetes and Digestive and Kidney Diseases and the NATIONAL HEART, LUNG, AND BLOOD INSTITUTE.