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For Grants and Contracts

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NOTICES

REMINDER: REFERENCE LETTERS AND FELLOWSHIP APPLICATIONS

P.T. 22; K.W. 0720005, 1014002

Division of Research Grants

At least three completed, sealed letters of reference must be included with each individual fellowship application when the application is submitted to the NIH. Otherwise, the application will be returned to the applicant.

This new procedure, which was announced in the previous issues of the NIH Guide for Grants and Contracts (March 18, April 1, and June 10, 1988), was introduced to help expedite the review of fellowship applications. It was effective beginning with the May 10, 1988, receipt date. This procedure pertains to individual postdoctoral fellowship (F32) applications, individual predoctoral fellowship (F31) applications, senior fellowship (F33) applications, international fellowship (F05-Fogarty International Center) applications, and senior international fellowship (F06-Fogarty International Center) applications.

DATED ANNOUNCEMENTS

BIOMEDICAL RESEARCH SUPPORT GRANT APPLICATIONS FOR FISCAL YEAR 1989

P.T. 34; K.W. 0710030

Division of Research Resources

Application Receipt Date: December 30, 1988

BACKGROUND

The Biomedical Research Support Grant (BRSR) Program is designed to provide funds to eligible institutions (i.e., those significantly engaged in health-related research) to strengthen their programs by allowing flexibility to meet emerging opportunities in research; to explore new and unorthodox ideas; and to use these research funds in ways and for purposes which, in the judgment of the grantee institution, would contribute most effectively to the furtherance of their research program.

ELIGIBILITY

Awards are made to non-profit institutions, not directly to individual investigators. Health professional schools, other academic institutions, hospitals, state and municipal health agencies, and research organizations may apply, if during FY 1988 (October 1, 1987 through September 30, 1988), the institution was awarded a minimum of three allowable PHS biomedical or health-related behavioral research grants and/or cooperative agreements, totaling \$200,000 (including direct and indirect costs). Federal institutions, foreign institutions, and profit-making institutions are not eligible.

NOTE: "Other academic institutions" includes, as a single eligible component, all other schools, departments, colleges and free-standing institutes of the institution other than the health professional schools of a university.

AWARD CONDITIONS

The BRSR award is for one year with eligibility determined annually. The start date is April 1. Awards are contingent upon the availability of funds.

The amount of each BRSR award is based upon a formula that is applied to the total costs awarded for allowable PHS research grants.

METHOD OF APPLYING

BRSR application kits (Form NIH-147-1) will be mailed on or about November 27 to institutions that, according to NIH records, are eligible to apply for a BRSR.

Completed BRSR applications must be received by December 30, 1988.

If an institution believes that it is eligible and has not received an application kit, please submit a letter of request to:

Mrs. Gilda Polletto
Grants Management Specialist
Office of Grants and Contracts Management
Division of Research Resources
Building 31, Room 5B32
National Institutes of Health
9000 Rockville Pike
Bethesda, Maryland 20892

This program is described in the Catalog of Federal Domestic Assistance, No. 13.337, Biomedical Research Support. Grants will be awarded under the authority of the Public Health Service Act, Section 301 (a)(3); Public Law 86-798, (42 USC 241) and administered under PHS grant policies and Federal Regulations 45 CFR Part 74 and the Biomedical Research Support Grant Information Statement and Administrative Guidelines. This program is not subject to the intergovernmental review requirements of the Executive Order 12372 or Health Systems Agency review.

ONGOING PROGRAM ANNOUNCEMENTS

RESEARCH PROGRAM ON BREASTFEEDING AND HUMAN MILK

P.T. 34; K.W. 0750015, 0785050, 0775010, 0710095

National Institute of Child Health and Human Development

Application Receipt Dates: October 1, February 1, June 1. (R01 or R29)
April 15, August 15, December 15 (R43)

Background and Scope

The National Institute of Child Health and Human Development (NICHD) seeks to support applications dealing with the process of lactation and the biology of human milk. The goals of this research are to understand causal mechanisms and to improve public health. Particular areas of interest include the determinants of breastfeeding in different populations, the nature of the physiological processes involved in milk formation and secretion, and the function of human milk components in infant health. Related subjects, such as methodologies for the determination of various components of human milk and the effects of nursing on long-term health of the mother, are included.

Research Objectives And Scope

DETERMINANTS OF BREASTFEEDING

The Surgeon-General's Report on Health Promotion and Disease Prevention, published in 1979 and expanded in 1980, set as an objective for 1990 that the proportion of women who breastfeed their babies should be increased to 75 percent at discharge from the birthing center and 35 percent at six months after delivery. Current rates, however, fall far short of this objective and much more information is needed about how to promote breastfeeding. The efficacy of the dissemination of information and encouragement by health professionals prenatally needs to be evaluated. In the immediate postpartum period, early maternal-infant contact, information and support from health care professionals, rooming-in, demand feeding schedules, reduction in the dispensing of infant formulas and other types of formula advertising, and a reduction of in-hospital formula supplementation should be investigated. In the later postpartum periods, interventions worth considering include counseling and support, frequent demand feeding schedules, changes in maternal employment policies, and the use of non-estrogen containing oral contraceptives. Other areas for investigation could include the determinants of suckling (the major control mechanism matching milk secretion to infant needs) and the effect of maternal nutrition on the quantity and quality of breast milk.

PROCESSES INVOLVED IN MILK FORMATION AND SECRETION

An important aspect of breastfeeding research concerns the physiology of lactation, including the neuroendocrine factors which prepare for and initiate milk production. Studies of the actions of estrogen and prolactin on the breast are included in this Program Announcement, as well as investigations of the mother's cerebral integration of neural signals she receives from her infant's smell, sound, touch, and nipple stimulation, and from alveolar

pressure which builds up between feedings. Several tissue culture systems are available for studies of mammary gland function.

EFFECT OF HUMAN MILK COMPONENTS ON THE NURSING INFANT

Over the past ten years the integrated grant and contract programs of the NICHD, as well as research activities funded from other sources, have generated considerable information about components of human milk, many of which differ quantitatively or qualitatively from those of other milks. Less is known about which of these components have functions in the lactation process or in the health and development of the nursing infant, and which are incidental pas-sengers of the milk secretion process. Studies in this area may include investigations of the availability and utilization of nutrients in milk, their contributions to growth and development, and their functions in defense against infections, malignancies, endocrinopathies, and degenerative disorders. They may comprise investigations of long-term effects of human milk ingestion, such as the possible programming of patterns of lipid and cholesterol metabolism in later life. Of particular interest are studies which seek to determine the mechanisms of these effects. Research on possible inimical aspects of human milk consumption is also encouraged, such as the effects of environmental toxins, drugs, or infectious agents secreted in the milk.

Mechanisms Of Support And Review Procedures

Support for this activity can be provided through traditional research grants (R01) and FIRST awards (R29). All policies and requirements governing the grant programs of the PHS apply. Applications will be reviewed by the regular Study Sections of the Division of Research Grants; however, if a large number of applications is received in response to this Announcement at any one receipt date for applications, a Special Review Committee for Human Milk Research may be convened. Applications should enter the statement "Research Program on Breastfeeding and Human Milk" as item 2, Response to Specific Program Announcement on the face page of the application Form PHS 398.

This program is described in the Catalog of Federal Domestic Assistance, No. 13.865, Research for Mothers and Children. Awards will be made under authority of the Public Health Service Act, Section 301 (42 USC241), and administered under PHS Grant Policies and Federal Regulations 42 CFR Part 52 and 45 CFR part 74. This program is not subject to review by a Health Systems Agency.

FOR FURTHER INFORMATION ON THIS PROGRAM ANNOUNCEMENT, PLEASE CONTACT THE FOLLOWING:

Ephraim Y. Levin, M.D.
Endocrinology, Nutrition and Growth Branch
Center for Research for Mothers and Children
National Institute of Child Health and Human Development
National Institutes of Health
Bethesda, Maryland 20892
Telephone: (301) 496-5593

SPECIAL EMPHASIS RESEARCH CAREER AWARD (K01): RESEARCH IN GERIATRIC OTOLARYNGOLOGY

P.T. 34; K.W. 0785160, 0710010, 0715050

National Institute on Aging

The National Institute on Aging (NIA) solicits applications for Special Emphasis Research Career Awards (SERCA) from eligible institutions for inter-disciplinary training and research support of communication scientists or clinically-trained individuals seeking careers in research on hearing and other communication processes in elderly individuals or research in geriatric otolaryngology. This SERCA is intended to foster the career development of gerontological and geriatric researchers with interests in these and related topics by encouraging qualified individuals to direct their research efforts into these areas by acquiring in-depth experience and skills in the basic and clinical scientific disciplines that bear upon geriatric otolaryngology.

BACKGROUND

At present, approximately 30 percent of adults ages 65 through 74, and more than 50 percent of those over age 75, exhibit some degree of hearing loss. The prevalence of olfactory loss within the older population may be of similar magnitude. Although data do not exist, there is a clinical impression of

increased incidence of serious voice and swallowing disorders among aged persons, especially those in nursing homes. It is unclear whether such problems are normal age-related changes or whether they reflect diseases or iatrogenic causes (e.g. medications, surgical procedures) that also occur with increased frequency in older populations.

Scientists are investigating a variety of behavioral, anatomical, electrophysiological, and biochemical changes of the auditory, vestibular, and chemoreceptor systems that occur during normal aging and are studying the capacity of the aging nervous system to compensate for any losses. Other scientists are studying abnormal conditions of the upper airway, voice, and swallowing in the aging individuals. Nevertheless, much needs to be learned about the extent of these problems, underlying mechanisms, and potential for intervention (Report on Research Needs in Geriatric Otolaryngology, American Academy of Otolaryngology--Head and Neck Surgery, Washington, D.C, 1988).

Critical to any expansion of this research endeavor is the recruitment of qualified investigators. Research training focusing on gerontological and geriatric aspects of otolaryngology, ear pathology, speech pathology, audiology, sensory psychology, and information processing should ensure continuing advances in these critical areas of investigation.

PROVISIONS OF THE AWARD

This non-renewable award provides support for up to a five-year period of full-time research and related activities. The latter may include further development of research skills. A minimum of 75 percent of an awardee's time must be spent in the actual conduct of research. Supplementation of salary from non-government sources is allowable.

The SERCA grant is made to the awardee's parent institution and provides up to \$40,000 per year for full-time salary support plus fringe benefits. A maximum of \$10,000 per year during the first three years and up to \$20,000 per year during the remaining two years will be provided for research costs including technical assistance, equipment, supplies, consultant costs, travel, publication, and other costs.

The grantee institution must be a domestic university, medical school, or comparable institution with strong, well-established research programs in the chosen area, adequate numbers of highly trained faculty in clinical and basic science disciplines, and interest, capability, and commitment to provide guidance in the development of appropriate research skills.

Throughout the grant period, the sponsoring institution is expected to arrange significant working relationships with the awardee through an advisor who will sponsor and oversee the proposed program and who will make sure that the awardee will receive the proper experience for a future research career in hearing and other communication processes in the elderly population or geriatric otolaryngology.

The advisor must be a biomedical or behavioral scientist with extensive research experience. A background in aging, communication sciences, or otolaryngology is essential.

The sponsoring institution should facilitate the program in every way possible, providing space, resources, and other support insofar as feasible. While the program should be situated primarily at a single institution, travel to and stays at other institutions for relevant research experiences are permissible.

ELIGIBILITY REQUIREMENTS

Candidates for the SERCA Award must hold a Ph.D., M.D., or other professional degree (e.g., D.D.S., D.O., D.V.M., etc.) and by the effective date of the award should have a minimum of two years of research experience in communication sciences, biochemistry, physiology, pharmacology, gerontology, epidemiology, psychology, or other relevant areas. The award is appropriate for persons at an early stage of their careers as well as for persons in mid-career who have worked in other fields and wish to acquire expertise in basic or clinical communication sciences and aging. Individuals are not eligible for this SERCA if they have had previous grant support (exception, postdoctoral fellowships) in both communication sciences and aging research. Applicants with previous grant support in either communication sciences or aging, but not both, are eligible. Candidates must be citizens or non-citizen nationals of the United States or its possessions or territories or must have been lawfully admitted to the U.S. for permanent residence at the time of application. Minority and women applicants are encouraged.

SERCA applications may not be submitted concurrently with other PHS research career development applications (including all of the K series), which would duplicate the provisions of the SERCA. This does not preclude the concurrent submission of either a First Independent Research Support and Transition (FIRST) or a regular research project grant application.

MECHANISMS OF SUPPORT

The administrative and funding mechanism to be used to support these studies will be the Special Emphasis Research Career Award. The regulations (Code of Federal Regulations, Title 42, Part 52 and Title 45, Part 74) and policies that govern the research grant programs of the Public Health Service will prevail.

Applications for this SERCA award will compete for funding with applications for other awards, and no funds have been set aside specifically for funding of SERCA applications. Such applications may be submitted for the regular NIH February 1, June 1, and October 1 receipt deadlines.

REVIEW PROCEDURES AND CRITERIA

Applications will be received by the NIH Division of Research Grants and will be assigned according to referral guidelines. Responsive applications will be assigned to an appropriate group for review. Applications judged to be non-responsive will be treated as regular grant applications.

Applications will be reviewed in accord with the usual NIH peer review procedures. The review criteria are the traditional considerations underlying scientific merit and training. Following initial review, the applications will be evaluated by the appropriate National Advisory Council.

METHOD OF APPLYING

Prospective applicants should obtain specific instructions for preparing applications for this SERCA from the program officer listed at the end of this announcement. A letter of intent is not a prerequisite for applying; however, prospective applicants are encouraged to send a letter with a descriptive title for the proposed project.

Applications should be submitted on the standard PHS 398, Rev. 9/86, application form available at most institutional business offices or from the Division of Research Grants, NIH, (301) 496-7441. On item 2 of the face page of the application, applicants should enter: SERCA: Research in Geriatric Otolaryngology.

The completed original application and six copies should be sent to:

Application Receipt
Division of Research Grants
National Institutes of Health
Westwood Building, Room 240
Bethesda, Maryland 20892**

Inquiries about the program should be directed to:

Leonard F. Jakubczak, Ph.D.
Neuroscience and Neuropsychology of Aging Program
National Institute on Aging
National Institutes of Health
Building 31, Room 5C35
Bethesda, Maryland 20892
Telephone: (301) 496-9350

CLINICAL INVESTIGATOR AWARD IN GERIATRIC OTOLARYNGOLOGY (K08)

P.T. 34; K.W. 0785160, 0710010, 0715050

National Institute on Aging
National Institute of Neurological and Communicative Disorders and Stroke

The National Institute on Aging, together with the National Institute of Neurological and Communicative Disorders and Stroke, announces the availability of a Clinical Investigator Award (CIA) in geriatric otolaryngology and related professions.

The intent of this award is to provide the opportunity for promising clinically-trained individuals to develop into independent biomedical

investigators in the biomedical sciences related to hearing, balance, olfactory, voice, and swallowing processes among aging and aged individuals. The award enables candidates to investigate a well-defined problem under a sponsor (or sponsors) competent to provide guidance in the chosen area of research. It bridges the gap between postdoctoral training and an academic appointment, and completes the development of research capability of a candidate who already has some research experience.

This announcement of NIA's special initiative on geriatric otolaryngology supplements, but does not replace NIH's broad announcement on the Clinical Investigator Award (See NIH Guide for Grants and Contracts, Volume 13, No. 8, June 29, 1984, pp. 28-34).

BACKGROUND

At present, approximately 30 percent of adults ages 65 through 74, and more than 50 percent of those over age 75, exhibit some degree of hearing loss. The prevalence of olfactory loss within the older population may be of similar magnitude. Although data do not exist, there is a clinical impression of increased incidence of serious voice and swallowing disorders among aged persons, especially those in nursing homes. It is unclear whether such problems are normal age-related changes or whether they reflect diseases or iatrogenic causes (e.g. medications, surgical procedures) that also occur with increased frequency in older populations.

Scientists are investigating a variety of behavioral, anatomical, electrophysiological, and biochemical changes of the auditory, vestibular, and chemoreceptor systems that occur during normal aging and are studying the capacity of the aging nervous system to compensate for any losses. Other scientists are studying abnormal conditions of the upper airway, voice, and swallowing in the aging individuals. Nevertheless, much needs to be learned about the extent of these problems, underlying mechanisms, and potential for intervention.

Critical to any expansion of this research endeavor is the recruitment of qualified investigators. Research training focusing on gerontological and geriatric aspects of otolaryngology, ear pathology, speech pathology, audiology, sensory psychology, and information processing should ensure continuing advances in these critical areas of investigation (Report on Research Needs in Geriatric Otolaryngology, American Academy of Otolaryngology--Head and Neck Surgery, Washington, D.C, 1988).

This CIA is intended to foster the career development of clinical investigators with interests in these and related topics, by encouraging qualified individuals to acquire in-depth experience and skills in the basic and clinical scientific disciplines that bear upon geriatric otolaryngology.

ELIGIBILITY

Applications may be made by institutions on behalf of candidates who hold the M.D. or equivalent degree (i.e., D.D.S., D.O.).

Individuals who are, or have been, principal investigators on PHS supported research grants or who have, or have had, comparable responsibility for the conduct of a research project, are not eligible. In general, candidates should have completed their clinical training and will have had between two and seven years postdoctoral research experience before the award is initiated. Candidates should provide evidence of a serious intent to pursue an academic research career. Only U.S. citizens or non-citizens lawfully admitted for permanent residence are eligible. Minority and women applicants are encouraged.

The grantee institution must be a domestic university, medical school, or comparable institution with strong, well-established research and training programs in the chosen area, adequate numbers of highly-trained faculty in clinical and basic science disciplines, and interest, capability, and commitment to provide guidance to clinically-trained individuals in the development of research independence.

CONDITIONS OF THE AWARD

This award provides support for up to a five-year period of full-time research and related activities. The award is not renewable, usually not transferable, and is based on a full-time (75-100 percent) research development effort.

The award provides salary support not to exceed \$40,000 annually. The actual salary must be consistent with the established salary structure of the grantee institution for persons of equivalent qualifications, experience and rank.

Supplementation of salary from non-government sources is allowable. Up to a total of \$10,000 annually may be requested for supplies, equipment, travel, and tuition. The indirect cost rate may not exceed 8 percent of the total allowable direct costs. The grantee institution's share of the fringe benefits may be paid as a direct cost (if not treated as an indirect cost) on that portion of the salary provided by the Clinical Investigator Award. Applicants may not hold or apply for research project grants or their equivalent at the time of CIA application, nor may they apply concurrently for a Physician Scientist Award or other type of NIH Academic Award. However, they may apply for, and hold, the regular research project grant or the First Independent Research Support and Transition (FIRST) award subsequent to award of the CIA.

Candidates must be nominated by an institution on the basis of qualifications, interests, motivation and potential for an academic or research career in geriatric otolaryngology or related professions. The institution should provide evidence of its commitment to the candidate's research development. The candidate's sponsor(s) must provide a description of the development and research plan for the candidate, curriculum vitae with bibliography and research support, and a letter indicating his/her willingness to provide guidance and support for the period of the award. Candidates must provide a full description of the proposed research and career development plan for the period of the award.

REVIEW CRITERIA

Applications for the Clinical Investigator Award in Geriatric Otolaryngology will receive initial technical merit review by an initial review committee and secondary review by a national advisory council both with an appropriate institute.

Criteria for review include:

- o The candidate's potential for a career in independent research.
- o The candidate's commitment to a research career.
- o The overall merit of the candidate's plan for research and the development of research skills.
- o The quality of the candidate's clinical training and experience.
- o The institution's ability to provide adequate facilities, resources, and opportunities necessary for the candidate's research development.
- o The quality of the faculty in the departments relevant to the area of study.
- o The ability and plans of the sponsor or sponsors who will guide the candidate in his/her career development.
- o The candidate's conformance to the eligibility requirements (see Eligibility Section of this announcement).

METHODS OF APPLYING

Applications should be submitted on the research grant application (Form 398, Rev. 9/86). The original application and six copies should be sent to:

Application Receipt
Division of Research Grants
Westwood Building, Room 240
National Institutes of Health
Bethesda, Maryland 20892**

Applications for CIA must be received by the NIH for review by February 1, July 1, and October 1. Earliest award dates will be approximately 9 months after initial receipt. Type "CLINICAL INVESTIGATOR AWARD IN GERIATRIC OTOLARYNGOLOGY" in line 2 of the front page of the application.

Inquiries about the program should be directed to:

Leonard F. Jakubczak, Ph.D.
Neuroscience and Neuropsychology of Aging Program
National Institute on Aging
9000 Rockville Pike
Bethesda, Maryland 20892
Telephone: (301) 496-9350

or

J. Buckminster Ranney, Ph.D.
Division of Communicative Disorders
National Institute of Neurological and Communicative
Disorders and Stroke
9000 Rockville Pike
Bethesda, Maryland 20892
Telephone: (301) 496-1804

Awards are authorized by the Public Health Service Act (Title III, Section 301 (c) and applicable sections pertaining to specific Bureaus, Institutes, and Division.

PHYSICIAN SCIENTIST AWARD IN GERIATRIC OTOLARYNGOLOGY (K11)

P.T. 34; K.W. 0785160, 0710010, 0715050

National Institute on Aging

The National Institute on Aging (NIA) announces the availability of the Physician Scientist Award (PSA) in geriatric otolaryngology. The award is intended to encourage newly-trained clinicians to develop independent research skills and experience in a fundamental science related to hearing, balance, olfactory, voice, and swallowing processes in aging and aged individuals. The PSA is targeted to newly-trained clinicians who wish to receive training in a basic scientific discipline for application to a research problem that may not yet be well defined.

The awards will enable individuals with clinical training to undertake up to five years of special study in basic science with a supervised research experience. The first phase (two to three years) of the program will include both didactic study and laboratory experience conducted under the close sponsorship of an individual with extensive research experience in fundamental sciences. The second phase (up to three years) under the continuing guidance of this primary sponsor, will be to apply laboratory-based research in either a basic science or clinical department. This award requires a commitment from a sponsor with extensive fundamental research experience in a basic science such as (but not limited to) biochemistry, molecular biology, genetics, psychophysics, or immunology, and a research program plan using a fundamental or clinical science approach to disease related problems.

This announcement of NIA's special initiative on geriatric otolaryngology supplements, but does not replace NIH's broad announcement on the Physician Scientist Award (See NIH Guide for Grants and Contracts, Volume 13, No. 8, June 29, 1984, pp. 19-27).

BACKGROUND

At present, approximately 30 percent of adults ages 65 through 74, and more than 50 percent of those over age 75, exhibit some degree of hearing loss. The prevalence of olfactory loss within the older population may be of similar magnitude. Although data do not exist, there is a clinical impression of increased incidence of serious voice and swallowing disorders among aged persons, especially those in nursing homes. It is unclear whether such problems are normal age-related changes or whether they reflect diseases or iatrogenic causes (e.g. medications, surgical procedures) that also occur with increased frequency in older populations.

Scientists are investigating a variety of behavioral, anatomical, electrophysiological, and biochemical changes of the auditory, vestibular, and chemoreceptor systems that occur during normal aging and are studying the capacity of the aging nervous system to compensate for any losses. Other scientists are studying abnormal conditions of the upper airway, voice, and swallowing in the aging individuals. Nevertheless, much needs to be learned about the extent of these problems, underlying mechanisms, and potential for intervention (Report on Research Needs in Geriatric Otolaryngology, American Academy of Otolaryngology--Head and Neck Surgery, Washington, D.C, 1988).

Critical to any expansion of this research endeavor is the recruitment of qualified investigators. Research training focusing on gerontological and geriatric aspects of otolaryngology, ear pathology, speech pathology, audiology, sensory psychology, and information processing should ensure continuing advances in these critical areas of investigation.

ELIGIBILITY

These awards are designed to provide an intensive, supervised research experience for clinicians in medical disciplines. The research experience must be related to hearing, balance, olfactory, voice, and swallowing disorders among elderly people. Thus, candidates are restricted to those holding health professional degrees in the clinical sciences (M.D., D.D.S., D.O. or equivalent). Ordinarily, physicians holding the Ph.D. are ineligible. Minority and women applicants are encouraged.

Candidates should demonstrate competence in clinical activities and should show research potential. Candidates must provide evidence of a serious intent for research and academic careers.

Candidates for an award must be citizens or non-citizen nationals of the United States or its possessions and territories or must have been lawfully admitted to the United States for permanent residence at the time of application.

Applicants for a Physician Scientist Award may not submit a concurrent application for an NIH Research Career Development Award, Academic Award, a Clinical Investigator Award or a Special Emphasis Research Career Award. Physician scientist awardees may subsequently apply for a First Independent Research Support and Transition (FIRST) Award or a research project grant.

Ordinarily a candidate with previous independent NIH research support or its equivalent will not qualify.

CONDITIONS OF AWARD

The Environment

Applications will be accepted from a domestic university, medical school, or comparable institution with strong, well-established research and training programs, adequate numbers of highly trained faculty in clinical and basic sciences and commitment and capability to provide guidance to clinically-trained individuals in the development of independent research careers in geriatric otolaryngology. The environment desired is one which will stimulate and increase the interaction between basic scientists and clinical investigators.

Candidates must be nominated by an institution on the basis of qualifications, interests, accomplishments, motivation, and potential for a research career. Evidence of the commitment of the institution to the candidate's research and development must be provided.

The Program

The individual's program should be designed in two phases. The candidate must provide a description of the research development plan. It should start with a creative and detailed basic science learning experience in Phase I and progress to culminate in intensive research activity in Phase II under the general guidance of a qualified sponsor. Awardees and their sponsors will be required to submit a special, detailed progress report at the end of Phase I. This report is to contain specific information concerning progress and accomplishments and, in particular, an appropriately detailed Phase II research plan and protocol for administrative review and approval.

Sponsor

Each candidate must identify a primary sponsor who is recognized as an accomplished investigator in the basic science research area proposed, who has experience in training independent investigators and who will provide the guidance for the awardee's development and research plan. The primary sponsor must be committed to continue this involvement through the individual's total period of development under the award. In some cases candidates may elect to have a secondary clinical sponsor for the research intensive years.

Duration and Effort

This five year non-renewable award is based on up to five full-time 12 month appointments. All funds must be used on behalf of the original candidate.

Support is divided into two distinct phases that relate to the individual's progress in becoming an independent investigator. It is required that a minimum of 75 percent effort be devoted to the research and research training program. The balance of effort can be devoted to other clinical and teaching pursuits only if they are consonant with the program goals, i.e., the awardee's development into an independent biomedical research investigator or necessary to maintain clinical skills necessary for an academic clinical career.

It is desirable for individuals to complete both phases without interruption. It may be permissible, however, to interrupt the award and delay the start of Phase II in order to engage in further clinical training. In the event such a contingency arises, the awardee and the sponsor must justify the interruption to assure that funds will be available to resume the award so that the candidate may complete the program.

Allowable Costs

Salary - Individual compensation is based on the institution's salary scale for residents or junior faculty at an equivalent experience level, not to exceed \$40,000 per year, plus commensurate fringe benefits for essentially full-time (75-100 percent) effort to the endeavor. Salary may be supplemented from non-government sources.

Sponsor's Support - A sum of up to 10 percent of the primary sponsor's salary and commensurate fringe benefits during Phase I.

Research and Development Support - \$10,000 per year in Phase I increasing to \$20,000 per year in Phase II for research project requirements and related support, e.g., technical personnel costs, supplies, equipment, candidate travel, medical insurance premiums and tuition for necessary courses.

Indirect Costs - reimbursement of actual indirect costs at a rate up to, but not exceeding, 8 percent of the total direct costs of each award, exclusive of tuition, fees and expenditures for equipment.

Concurrent Awards

Individuals entering Phase II are encouraged to apply for additional research support, e.g., FIRST award (R29) or Research Project award (R01). Such support may be applied for and held with no reduction in the \$20,000 provided as research support. However, salary support from PHS sources above the \$40,000 provided by this award is not allowable.

EVALUATION

Recipients must agree to inform the National Institutes of Health (NIH) annually about academic status, publications, and research grants or contracts received for a period of five years subsequent to completion of the award.

MECHANISM OF SUPPORT

The mechanism of support for this activity will be the Physician Scientist Award (K-11) awarded under the authority of the Public Health Service Act, Title III, Section 301 (Public Law 78-410, as amended, 42 USC 241). The regulations (Code of Federal Regulations, Title 42 Part 52, and Title 45 Part 74) and policies which govern the research grant programs of the NIH will prevail.

The award of grants pursuant to this announcement is contingent upon availability of funds.

METHOD AND CRITERIA OF REVIEW

Applications will be received by the NIH Division of Research Grants (DRG) and will be assigned to the appropriate institute for possible funding.

Applications in response to this Announcement will be reviewed in accordance with the usual NIH peer review procedures. They will first be reviewed for potential for research development and scientific and technical merit by an institute review group. Following this review, the applications will be evaluated by the appropriate advisory council.

APPLICATION PROCEDURES

Applications should be submitted on the research grant application (Form 398, Rev. 9/86). The original and six copies should be mailed to DRG. Type

"PHYSICIAN SCIENTIST AWARD IN GERIATRIC OTOLARYNGOLOGY" in line 2 of the front page of the application.

The completed original application and six copies should be sent to:

Application Receipt
Division of Research Grants
National Institutes of Health
Westwood Building, Room 240
Bethesda, Maryland 20892**

Deadlines for receipt of applications by the Division of Research Grants, NIH, are: February 1, June 1, and October 1.

For further details contact:

Leonard F. Jakubczak, Ph.D.
Neuroscience and Neuropsychology of Aging Program
National Institute on Aging
Building 31, Room 5C35
Bethesda, Maryland 20892
Telephone: (301) 496-9350

ERRATUM

CORE IMMUNOLOGY LABORATORY FOR AIDS VACCINE CLINICAL TRIALS

RFP AVAILABLE: RFP-NIH-NIAID-AIDSP-89-7

P.T. 34; K.W. 0715120, 0710070, 0740075, 0755015

National Institute of Allergy and Infectious Diseases

This announcement is to correct the Request for Proposal (RFP) number which was erroneously published in the NIH Guide for Grants and Contracts, Vol. 17, No. 35, page 5, dated October 28, 1988, as RFP-NIH-NIAID-AIDSP-89-9. Individuals who have submitted a request to receive RFP-NIH-NIAID-AIDSP-89-9 need not submit another request with the corrected RFP number. All requests for the previously numbered RFP will be honored and those individuals will receive the RFP referenced (with the correct number) in the title above. All other information contained in the original announcement remains the same.

PHS POLICY RELATING TO DISTRIBUTION OF UNIQUE RESEARCH RESOURCES PRODUCED WITH PHS FUNDING

P.T. 34, 36; K.W. 1014002

Alcohol, Drug Abuse, and Mental Health Administration

The Alcohol, Drug Abuse, and Mental Health Administration was inadvertently omitted from the policy statement published in the NIH Guide for Grants and Contracts, Vol. 17, No. 19, Pages 1-2, September 16, 1988.

**THE MAILING ADDRESS GIVEN FOR SENDING APPLICATIONS TO THE DIVISION OF RESEARCH GRANTS OR CONTACTING PROGRAM STAFF IN THE WESTWOOD BUILDING IS THE CENTRAL MAILING ADDRESS FOR THE NATIONAL INSTITUTES OF HEALTH. APPLICANTS WHO USE EXPRESS MAIL OR A COURIER SERVICE ARE ADVISED TO FOLLOW THE CARRIER'S REQUIREMENTS FOR SHOWING A STREET ADDRESS. THE ADDRESS FOR THE WESTWOOD BUILDING IS:

5333 Westbard Avenue
Bethesda, Maryland 20816