

# NIH GUIDE

# for GRANTS and CONTRACTS

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

Vol. 7, No. 9, June 30, 1978

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Single free copy available.

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#### HAVE YOU MOVED?

If your present address differs from that shown on the address label, please send your new address to: 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.

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 awarding units concerning new projects, solicitations of sources, and requests for proposals.

APPLICATION REQUIREMENTS [NOTE: This is a readvertisement of the DCT-3 Cancer Research Emphasis Grant that originally was announced in Vol. 4, No. 8, p. 13, September 19, 1975.]

1. ELIGIBILITY Nonprofit organizations and institutions, State and local governments and their agencies, authorized Federal institutions, and individuals according to NIH grants policies. Grantees who are currently funded and approved for five years under conditions of the original CREG announcement are not eligible.
2. THE APPLICATION Applicants should propose an individual project. Applicants may elaborate on the purposes, objectives, rationale, and significance stated in this announcement and must complete portions of the application pertaining to procedural details, the investigator's related experience, facilities, available budgets, and biographical information for key professional personnel. The application should also state the duration of time for which the support is requested. It is anticipated that the project period will not exceed three years, and that the level of effort per year will approximate two to three professional man-years and two to three technical man-years.
3. SUBMISSION Use the standard grant application form PHS 398. In both the covering letter and at the top of the space provided for an abstract on page 2 of the application, identify this CREG announcement by its title and the number DCT-3 and the date of publication as the one to which the application responds. Mail the application and letter to Division of Research Grants, National Institutes of Health, Bethesda, Maryland 20014. If your institution cannot supply you with form PHS 398, it may be requested from the Division of Research Grants.
4. RECEIPT DATE Applications received on or before November 1, 1978, will be processed for study section review in March 1979.

#### REVIEW

Upon receipt, applications will be reviewed by the Division of Research Grants and NCI staff for responsiveness to this announcement. If an application is judged unresponsive, the applicant will be given the opportunity to withdraw the application or to submit it for consideration in the traditional grant programs of NIH. Applications judged responsive will be reviewed initially for scientific merit by DRG study sections and secondly by the National Cancer Advisory Board.

DRG will not accept an application in response to a CREG announcement that is identical to one concurrently being considered by NCI or other NIH awarding units.

For further information, potential applicants may contact Dr. Daniel J. Rubin, telephone: (301) 496-6711, Division of Cancer Treatment, National Cancer Institute.

*Validated  
5/79*

RESEARCH GRANTS IN THE FIELD OF LOCAL  
NEURONAL INTERACTIONS, NINCDS

**ANNOUNCEMENT**

The Fundamental Neurosciences Program (FMP) of the National Institute of Neurological and Communicative Disorders and Stroke (NINCDS) is encouraging the submission of applications for research grants in the field of local neuronal interactions.

Purposes:

- a. This announcement indicates the interest of the FMP in stimulating new research and encouraging present research in this potentially significant area.
- b. Such research may lead to a better understanding not only of basic neurobiological mechanisms, but also of "higher" brain functions such as learning, memory, or complex behavior.

Definitions:

"Local neuronal interaction" deals with:

- a. The activity of local circuit neurons (LCNs): cells with short axons or no axons such as Golgi Type II neurons, Renshaw cells, horizontal and amacrine cells in the retina, granule cells in the olfactory system and many other interneurons;
- b. Local neuronal circuits: describing the transfer of information in a neural network confined to a localized area in the nervous system; impulses limited to part of a cell surface or to a single dendritic tree or to one or a small group of LCNs;
- c. Electronic synapses and electrically coupled cells;
- d. Reciprocal and two-way synapses;
- e. Ephaptic transmission and other localized electric and electromagnetic field effects;
- f. Localized chemical field effects involved in information transfer;
- g. Central information processing in very restricted areas of the nervous system, possibly involving feedback and reverberating circuits;

- h. Low voltage (below action potential threshold) information transfer, within cells and among cells; including the translation of "noise" into meaningful signals;
- i. Interactions of these local chemical and electrical circuits;
- j. Localized interactions between glia and neurons.

Method of Applying:

Applications should be submitted on form PHS 398 which is available in the business or grants and contract office at most academic and research institutions. If not, single application forms may be obtained from:

Division of Research Grants  
National Institutes of Health  
Room 448, Westwood Building  
Bethesda, Maryland 20016

The phrase "PREPARED IN RESPONSE TO NINCDS INVITATION FOR RESEARCH GRANTS IN THE FIELD OF LOCAL NEURON INTERACTIONS" should be typed across the top of the first (face) 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

One additional copy is to be sent to the address below.

Receipt dates are the same as for other new research project grant applications: November 1, March 1, and July 1.

Specific Review

Applications will be judged solely on scientific merit in accord with NIH policy and procedures involving peer review.

Applicants should contact:

Novera Herbert Spector, Ph.D.  
Health Scientist Administrator  
Fundamental Neurosciences Program  
National Institutes of Health  
Room 120, Federal Building  
Bethesda, Maryland 20014

Telephone: (301) 496-5745