**Reciprocal shaker.** LAB-LINE has created model 3506, a reciprocal shaker, which features a variable stroke of ¼" to 1-1/4" in ¼" increments with a shaking action is from 10 to 25 motions per minute. The shaker can be run continuously or in timed intervals, which range from 1 min to 60 min. Circle 46 on Reader Service Card.

**Gel drying system.** FisherBiotech offers a complete Gel Drying System: gel dryer, diaphragm vacuum pump, and liquid trap to provide an effective and reliable way of drying electrophoresis gels for autoradiography, densitometry, or notebook storage. Its large 40 x 50 cm drying surface accommodates all sizes of electrophoresis gels, ranging from large DNA sequencing gels to multiple 8 x 10 cm mini-gels. Circle 65 on Reader Service Card.

**96-Well automatic harvester.** Skatron’s 96-well harvester automatically harvests a 96-well microplate or macrowell plate (1 ml tubes in 96-well format) in one step. The harvester’s fully programmable selective features include one to six washes from three inlet ports; length of wash and dry sequences; and dual outlets for separation of hot and cold waste. Samples on the filtermat are positioned in standard 6 x 16 format, allowing for use with the LKB Wallac Betaplate™ counter. Circle 53 on Reader Service Card.

**Affinity chromatography media.** Schleicher & Schuell announces a complete line of affinity chromatography media based on a patented tresyl chloride activation chemistry. The three products include tresyl-activated agarose, protein A/G agarose, and protein A agarose, available either as bulk gel in bottles or in prepackaged 1 ml multiple-use plastic columns. The tresyl-chloride activation chemistry provides fast couplings; ligands are held by alkylamine or thioether bonds which result in minimal leaching. Affinica protein A/G agarose will bind antibodies with an affinity for either protein A or protein G. Affinica protein A agarose is a truncated, recombinant form of staphyloccocal protein A which is coupled to the matrix with a highly stable alkylamine bond. One ml of this gel is capable of binding > 20 mg of human immunoglobulin. For a limited time, S&S is offering the entire Affinica line at special introductory prices. Circle 57 on Reader Service Card.

**Isotyping in 5 minutes.** The ISO-STAT™ test from SangStat Medical allows a sensitive and specific determination of mouse monoclonal antibody class and sub-class in just 5 min. This easy-to-use, instrument-free enzyme immunoassay uses affinity-purified, isotype-specific antibodies, covalently bound to a test membrane. The differentiation between IgG1, IgG2a, IgG2b, IgG3, and IgM is done on a single test cartridge. The position of the color development in the cartridge indicates the isotype of the immunoglobulin. Culture supernatant can be tested directly. Circle 48 on Reader Service Card.

**Biological safety cabinet has oversized work area.** Heinice Scientific has a BKF-4SS benchtop Class II, Type A/B3 laminar flow biological safety cabinet that is NSF (National Sanitation Foundation) listed and is ergonomically designed to provide comprehensive user safety and comfort. Ideal for performing sterile procedures, the new germfree cabinet provides protection for personnel, the work in progress, and the environment from the hazards of biosafety level 1-3 solids and liquid aerosols. Circle 50 on Reader Service Card.
The FASEB Journal

Information for Authors*

The FASEB Journal (FJ) is the official publication of the Federation of American Societies for Experimental Biology (FASEB). FJ publishes two types of articles: 1) brief, definitive, and essentially final research communications of fundamental interest and significance that are considered to warrant prompt publication; and 2) state-of-the-art reviews, drawn, as far as possible, from the topics of the FASEB symposia.

Manuscripts containing original communications, or proposals for reviews, should be sent to the Editor-in-Chief, Dr. W. J. Whelan, The FASEB Journal, P.O. Box 016129, Miami, FL 33101-6129, USA.

Original Research Communications

FJ devotes a major portion of its pages (outside the meeting abstracts) to the publication of brief, definitive, original, and essentially final research communications that are considered to warrant prompt publication.

The aim of FJ is to illustrate the unity of biology and the interdependence of its constituent disciplines. Therefore, in keeping with this policy, and to qualify for acceptance, an original communication must not only be of outstanding scientific quality but must also be of fundamental interest.

The subject coverage of FJ is illustrated by the following disciplinary areas: biochemistry, biophysics, cell biology, developmental biology, genetics, immunology, neurobiology, nutrition, pathology, pharmacology, and physiology.

Papers should begin with an abstract written for the general reader and be free from jargon. They should continue with an introduction followed by the results and discussion; they should conclude with a succinct bibliography. Methods may be included within the figure legends and tables or as a separate section. Papers may not occupy more than five printed pages (equivalent of 5000 words and inclusive of illustrations and diagrams) and will be returned as unacceptable if they exceed this limitation.

Papers (an original and four copies) should be sent to the Editor-in-Chief. Prompt publication of acceptable papers will be ensured by careful conformity to the instructions to contributors and the expeditious return of proofs.

State-of-the-Art Reviews

FJ also presents research reviews. Heretofore these have been in the form of extended reports emanating from symposia or mini-symposia presented at FASEB meetings. To provide such research summaries in a more compact form and thereby to allow, within space limitations, a more comprehensive and representative survey of the acquisition of new biological knowledge, FJ publishes state-of-the-art reviews that emphasize interdisciplinary aspects of the growing points of research.

These reviews will serve as a window on topics addressed at Society-sponsored symposia or plenary lectures. Therefore, review authors are sought from among those engaged in organizing the symposia. At the same time, volunteered reviews are welcomed that embody the principles of timeliness, topicality, and broad interest.

A proposal for such a review, not a completed review, should be sent to the Editor-in-Chief, who will advise on its acceptability.

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Authors will be asked to certify that an original communication has not been published otherwise than as an abstract and is not being considered for publication elsewhere, and that the paper will not be submitted for publication elsewhere until its acceptability for FJ has been decided. Authors of reviews will be asked to certify that the review has not been published, is not being considered elsewhere, and will not be submitted elsewhere until its acceptability for FJ has been decided.

Style of Manuscript

General Instructions

1) Manuscripts should be typewritten, with double spacing and 1-inch margins, on 8½ × 11 inch bond paper. Computer printouts of manuscripts must be readable; a dot-matrix printer is generally unacceptable. Metric units should be used. An original and four copies, with figures and tables, should be submitted to the Editor-in-Chief. Pages should be arranged and numbered consecutively in the following order: title page, footnotes, abstract of up to 200 words and indexing key words (maximum of five), text, references, figure legends, tables, and illustrations.

2) The title page should show: title of article; author(s); laboratory or institution of origin with city and state or country; complete address for mailing proofs and telephone and fax numbers for corresponding author; and shortened title (maximum of 50 characters and spaces) for the running foot.

3) The title should be brief (no more than 90 characters, including letters, spaces, and punctuation) and informative. Do not use phrases which modify more than three words modify another word (use "Renal hemodynamic effects of atrial natriuretic factor" rather than "Atrial natriuretic factor renal hemodynamic effects"). Serial titles, such as "Interferon, IX," are not permitted, except as a footnote.

4) The abstract, a paragraph of no more than 200 words, should be written for the general readership and be free from jargon. It should be self-explanatory and suitable for use by abstracting services without rewriting. It should state the purpose and major findings and conclusions of the study. Citation of references should be avoided; if used, include bibliographic information.

5) Footnotes, double-spaced, should be assembled on one or more separate sheets; they should be numbered consecutively throughout.

6) The text should be readable, clear, and concise. Any corrections should be neat and legible. Standard nomenclature should be used; unfamiliar or new items should be defined at first mention. (See Abbreviations section below) Foreign words not in general use in the English language should be underlined for italic type; italics should not be used for emphasis. Latin plurals should not be used for the English equivalent has not been accepted, e.g., lamellae, not lamellae. Webster's New Collegiate Dictionary (1977) should be followed for spelling, compoundung, and word separation.

7) Drugs and trade names. The chemical or generic name should precede the abbreviation of a drug name the first time it appears. Proprietary (trademarked) names should be capitalized and the spelling carefully checked. Trade names of chemicals or equipment should also be capitalized. Authors should supply an acceptable scientific name in every case as an alternative to the trade name. Trade names should not ordinarily be used in titles.

8) Active voice rather than passive voice should be used whenever possible. Present tense is used for references to existing knowledge or accepted concepts, and for proven conclusions from the present work; past tense is used when describing experimental work on which the paper is based.

Abbreviations, Symbols, and Terminology

Each author must include, as a footnote to the first page of text, a list of any new or special abbreviations used in the paper, with the spelled-out form and definition if necessary for clarity. For information on style in general, authors are referred to the CBE Style Manual, 5th ed. (1983), prepared by the CBE Style Manual Committee (Bethesda, MD). Chemical and biochemical terms and abbreviations should be in accordance with the recommendations for usage by the International Union of Pure and Applied Chemistry (IUPAC), the International Union of Biochemistry (IUB), and their Committee on Nomenclature [see Biochemical Nomen-

*March 1990.
The following abbreviations or acronyms may be used without explanation; others should be defined at first use in the text.

- **A**: ampere; blood group; chromosome group; absorbance; area
- **Å**: ångström
- **a**: atto-
- **AB**: blood group
- **ac**: alternating current
- **A-h**: amper-hour
- **AM**: adenine phosphates
- **AMPase, ADPase, ATase**: adenosine phosphatases
- **aq**: aqueous
- **atm**: standard atmosphere
- **Btu**: British thermal unit
- **C**: coulomb
- **C**: Celsius
- **ca.**: centi-
- **cal**: calorie
- **cAMP, cGMP, etc.**: cyclic AMP, cyclic GMP, etc.
- **CD**: circular dichroism
- **cd**: candela
- **cDNA**: complementary DNA
- **cf**: compare
- **Ci**: curie
- **cm, cm^2, cm^3**: centimeters
- **CMP, CDP, CTP**: cytidine phosphates
- **CoA**: coenzyme A
- **CoASAc**: acetyl coenzyme A
- **cpm**: counts per minute
- **cps**: counts per second
- **cp**: centipose
- **c/s**: cycles per second
- **cRNA**: complementary RNA
- **cubic**: use exponent 3
- **d**: degree, angle
- **D**: diffusion, coefficient
- **d**: density
- **d (+)**: dextrorotatory
- **D**: dalton
- **db**: decibel
- **dc**: direct current
- **DDT**: 1,1,1-trichloro-2,2-bis-(p-chlorophenyl)ethane
- **DEAE-cellulose**: O-(diethylaminoethyl)cellulose
- **df**: degrees of freedom
- **DE**: deoxyribonucleic acid
- **dNase**: deoxyribonuclease
- **dpm**: disintegrations per minute
- **dps**: disintegrations per second
- **dTMP, dTDP, dTTP**: thymidine phosphates
- **dyn**: dyne
- **E**: electromotive
- **EC**: electromotive force; exa-
- **ED**: electrode potential; energy
- **EDTA**: effective concentration, 50%
- **Ed**: editor
- **F**: effective dose, 50%
- **FAD, FADH_2**: flavin adenine dinucleotides
- **f**: foot-candle
- **Fig., Figs.**: flavin mononucleotides
- **FMN, FMNH**: freezing point
- **ft**: foot
- **fl**: foot-pound
- **G**: gauss; general; gig-
- **g**: gram
- **g**: gravitational constant
- **GMP, GDP, GTP**: greater than
- **GSH, GSSG**: glutathiones
- **H**: henry
- **h**: hecto-; hour
- **Hb**: hemoglobin
- **hp**: heterogeneous nuclear RNA
- **hr**: horsepower
- **Hz**: height
- **IC**: inhibitory concentration, 50%
- **ID**: inside diameter
- **i.d., i.m., in**: that is
- **Ig**: immunoglobulin
- **IMP, IDP, ITP**: intramuscular, inosine phosphates
- **i.p., IR**: inch
- **IU**: intraperitoneal
- **iv.**: infrared
- **international unit**: international unit
- **j**: intravenous
- **Jr.**: joule
- **K**: junior, with names
- **kelvin**: Michaelis constant
- **k**: kilo-
- **kcal**: kilocalorie
- **kg**: kilogram
- **km**: kilometer
- **L**: levo configuration
- **lb**: levorotatory
- **pounds**: pounds per square inch
- **lb/in^2**: lethal concentration, 50%
- **LD**: lethal dose, 50%
Note: standard three-letter or single-letter abbreviations for amino acids may be used in sequences and in tables and figures.

References

References should be cited in the text in numerical order, with the numeral placed in parentheses. References should be typed separately with inclusive pages and titles, double-spaced, with one reference per number. Authors are responsible for the accuracy and completeness of their references; they will not be checked in the Editorial Office.

Citations to unpublished work should not be entered in the list of references unless the paper has been accepted for publication. Include them in the text as "(unpublished observations)" or "(personal communications)" with authors’ initials and surnames.

For titles of journals, follow the abbreviations listed in Serial Sources for the BIOSIS Data Base. The form of references to periodicals should be in accordance with the following example. (Titles and inclusive pages must be used.)

Book references should include information in the following order: author(s), year of publication, title, city of publication, publisher, and pages. The title of the book should be underlined for italic type. When one chapter is cited its title and page numbers should be included, and the book's authors or editors should be named.


Illustrations

Illustrations should be identified lightly with pencil on the reverse side with the figure number and author name(s); when necessary, the top should be clearly marked. They should be referred to as figures in the text, and should be numbered with Arabic numerals; each should have a legend.

When preparing figures, particularly graphs, authors might follow the suggestions of H. G. Hers (*Nature* 307: 205, 1984). They are included in the following:

1) Illustrations should be sharp, contrasty, unmounted photographs on glossy paper. Photographs should be the width of one column (3½ inches) or two columns (7¼ inches). All drawings for reduction to a given size should be drawn and lettered to the same scale.

2) Lettering should be in black ink and must be legible after reduction (i.e., at least 1.5 mm high). The smallest elements (subscripts or superscripts) should be readable when reduced. Type-written or computer-generated lettering is not preferred.

3) Graphs such as electrocardiograms, kymograms, and oscillograms should be prepared so that the dark cross-hatched background is eliminated, the faint portions of the graphs are intensified, and sharp prints are obtained. To avoid this processing, use blue-ruled instead of black-ruled recording paper for the original records.

4) A figure containing several panels with the same axes, usually denoted a, b, etc., authors should indicate on each panel its experimental specificity and should label axes as precisely as possible: e.g., 'Time after drug addition rather than 'Time'. Also, express results in mol rather than ppm or absorbance units. If results are given in percent, define 100% in standard units in the legend.

5) When possible, all lettering should be within the framework of the illustration; likewise the key to symbols should be on the face of the chart. Use only one symbol for the same experimental conditions in all comparable figures in the article. When the figure is so filled that it is necessary to explain symbols in the legend, only these standard characters should be used: □ ■ ○ ● △ ▲ ▼ ▲ ▼ ▼

6) Actual magnification of all photomicrographs should be given. The Editorial Office will make corrections for reduction. An appropriate scale on the photomicrograph itself is, however, preferable and more accurate.

7) Arrangements must be made well in advance with the Editorial Office for the reproduction of any illustrations in color. Authors must have funds available to meet the full cost of color plates and their printing.

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Each should be typed double-spaced, on a separate sheet of paper. Each should have a brief title and should be numbered with Arabic numerals. Explanatory matter should be in footnotes. Table footnotes should be listed in order of their appearance with consecutive superior letters.

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The approximate position of each table should be indicated in the margin of the text.

Formulas and Equations

Structural chemical formulas, process flow diagrams, and complicated mathematical expressions should be precisely and carefully arranged, but they should be kept to a minimum because in typesetting they are composed by hand and are expensive. Glossy prints of complicated formulas and expressions suitable as line drawings are preferred. All subscripts, superscripts, Greek letters, and unusual characters must be clearly identified.

Acknowledgments

It is customary to acknowledge only persons who have made substantive contributions to the studies reported in the manuscript. Authors should obtain written permission for everyone acknowledged by name (including references to unpublished work) because readers may infer their endorsement of the paper and its conclusions. If appropriate, a statement of grant support may be included. Names of grant sources should not be abbreviated.

Experimental Procedures

This journal endorses the principles embodied in the Declaration of Helsinki and expects that all investigations involving humans will have been conducted in conformity with these principles. It is expected that the "Guiding Principles in the Care and Use of Animals" will have been observed in all animal experimentation reported in *EJ*.

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Authors of original research communications are allowed the equivalent of one full page of tables, figures, and halftones, or a halftone of chemical and mathematical formulas and equations. Authors may be charged for material exceeding this allowance. When excess charges are anticipated, authors should make the necessary arrangements at the time a manuscript is submitted (i.e., initiation of an institutional purchase order, obligation of funds under a grant, etc.).

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Address all correspondence to FASEB Placement Service, 9650 Rockville Pike, Bethesda, MD 20814. (301) 530-7020

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POSITIONS AVAILABLE

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ASSISTANT PROFESSOR OF TOXICOLOGICAL SCIENCES. The Division of Toxicological Sciences of the Department of Environmental Health Sciences, The Johns Hopkins University School of Hygiene and Public Health, is seeking to fill tenure-track positions at the assistant professor level in the areas of environmental biochemical/molecular toxicology, neurotoxicology and immunotoxicology. Candidates should have a background in toxicology and/or pharmacology and at least two years postdoctoral experience. The successful candidates will be expected to develop a vigorous grant-supported research program using modern cellular, biochemical and molecular approaches to studies on the mechanisms of toxicity and to participate in the teaching activities of the division. It is desirable that the research interests and activities of the candidates complement those of others within the division which include: hepatotoxicity, hepatocarcinogenesis, cancer chemoprevention, free radical-mediated toxicity in lung and bone marrow, mechanisms of ototoxicity, neural receptor signal transduction, toxicant effects on lymphoid production and immune function assessment. Other areas of toxicology would also be considered. Send CV, the names of three references and a brief summary of current research activity and future research plans to James D. Yager, Director, Division of Toxicological Sciences, JHU School of Hygiene and Public Health, 615 N Wolfe Street, Baltimore, MD 21205. The Johns Hopkins University is an equal opportunity/affirmative action employer.
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POSTDOCTORAL FELLOWSHIPS. Training program in vision research. NEI-sponsored postdoctoral fellowships are now available on a competitive basis in a multidisciplinary setting: Departments of Ophthalmology, Anatomy, Microbiology and Physiology at the LSU Medical Center School of Medicine in New Orleans, Department of Biomedical Engineering at Tulane University and Department of Biology at the University of New Orleans. Successful candidates will have earned M.D., D.V.M. or Ph.D., be citizen or permanent resident of U.S., normally be willing to commit to a two-year period and be earnestly aimed towards an academic career. Specific training disciplines with over 20 preceptors in cornea and retina include anatomy, cell and molecular biology, biochemistry, physiology, pharmacology, virology, microbiology, immunology and neurobiology with ancillary training opportunities in scientific writing, biostatistics and epidemiology and biomedical engineering. Applications now being considered for July 1 starting date. For further information and application forms contact Stephen D. Klyce, Ph.D., LSU Eye Center, 2020 Gravier Street, New Orleans, LA 70112. Minorities and women are particularly encouraged to apply. LSUMC is an EEO/AA employer.

ASSISTANT PROFESSOR, MICROBIOLOGY/IMMUNOLOGY. The Department of Microbiology and Immunology, University of Illinois College of Medicine at Chicago, invites applications at the level of assistant professor, tenure track, from individuals with demonstrated excellence in cellular or molecular immunology, broadly defined. More senior applicants will also be considered. The successful candidate will be expected to develop a strong externally funded research program and to participate in graduate and medical student training. Generous space and start-up funds are available. Applications should provide the Search Committee with a CV, at least three letters of recommendation and a brief statement of future research interests and plans. The first series of candidates will be considered after February 15, 1990, and applications will be accepted until the position is filled. Starting date can be September 1990 or shortly thereafter. Send application to A. L. Kenter and E. P. Cohen, Immunology Search Committee, Department of Microbiology and Immunology (M.C. 790), University of Illinois College of Medicine at Chicago, PO. Box 6998, Chicago, IL 60680. The University of Illinois is an affirmative action/equal opportunity employer.

POSTDOCTORAL POSITIONS. Available immediately. Ion transport mechanisms of K+-secreting epithelial cells from the inner ear using patch clamp, microelectrode, cell culture, digital imaging, micro-Using chamber and perfused-tube techniques. Characterization of neurotransmitter receptors in the cochlea using autoradiography. NIH training grant. Contact Dr. D. C. Marcus, Biophysics Laboratory, or Dr. B. J. Morley, Neurochemistry Laboratory, Boys Town National Institute, 555 N 30th Street, Omaha, NE 68131. EOE.

POSTDOCTORAL POSITION(S) in diabetes-related research to study signal transduction of insulin secretion including intracellular calcium, phospholipid-derived mediators, protein phosphorylation and cellular mechanisms of cytokines. Experience in biochemistry or cell biology desirable. Salary based on NIH scale. Send CV and names of three references to Dr. Michael L. McDaniel, Department of Pathology, Box 8118, Washington University School of Medicine, 660 S Euclid Avenue, St. Louis, MO 63110 (314) 363-7435.

MAMMALIAN CELL MOLECULAR GENETICISTS. The newly reorganized Department of Microbiology and Molecular Genetics at the University of Vermont is continuing to expand its research base in molecular biology. Tenure-track positions at the assistant and/or associate professor level are available in areas of molecular genetics related to mammalian cells and viruses. Areas of interest include, but are not limited to, molecular virology; fundamental mechanisms of DNA replication, recombination, gene expression, or protein synthesis; and mechanisms of cell growth and differentiation. The candidate should be trained in genetics and molecular biology and utilize modern approaches to problems of eukaryotic cell biology at the molecular level. A Ph.D. and postdoctoral experience are required. The expanded Department will occupy three floors in a new Microbiology Center. Start-up funds and interior renovated space are available. Faculty members hold appointment in both the College of Agriculture and Life Sciences and the College of Medicine. The Department's primary emphasis is on research; teaching responsibilities are to undergraduate, graduate and medical students. Research interests of the Department center on basic problems in molecular genetics with several groups focusing on cell and molecular biology of mammalian cells. Send nominations and applications with CV, present and future research plans and at least three letters of reference to Search Committee, Department of Microbiology and Molecular Genetics, Given Building, University of Vermont, Burlington, VT 05405. Review of applications will begin immediately and continue until the positions are filled. Women and minorities are encouraged to apply. The University of Vermont is an equal opportunity/affirmative action employer.
FACULTY POSITIONS/PHARMACOLOGY. Full-time, tenure-track appointments at the rank of assistant professor are available in the newly reorganized Department of Pharmacology at the LSU Medical Center, New Orleans. Applicants should have a Ph.D. with a minimum of two years of postdoctoral experience. Under special circumstances appointments at the level of associate professor will be considered. Establishment of an independent research program funded by extramural support is expected, as is participation in the educational programs of the department. Candidates with research interests in neuropharmacology or in CNS control over cardiovascular, respiratory, renal or GI function are especially encouraged. Applicants should send CV, a brief statement of present and future research directions and the names, addresses and telephone numbers of three references to Dr. J. M. Moerschbaecher, Head, Department of Pharmacology, LSU Medical Center, 1901 Perdido Street, New Orleans, LA 70112-1393. LSUMC is an EEO/AA employer.

RESEARCH ASSOCIATE. Study mechanisms of cell-mediated immune responses to HIV as part of a large epidemiologic investigation of HIV infection in homosexual men. Faculty non tenure-track position, two to three years duration, available 1 July 1990. Ph.D. required. Salary commensurate with experience and background. Send CV and names of three references to Dr. Charles Rinaldo, Department of Infectious Diseases and Microbiology, A417 Crabtree Hall, University of Pittsburgh, Graduate School of Public Health, Pittsburgh, PA 15261. An affirmative action/ equal opportunity employer.

RESEARCH ASSOCIATE. Studies in developmental neuroendocrinology. Ph.D. in physiology, pharmacology, biochemistry, cell biology or related discipline required. Techniques include cell culture and RIA. Background in signal transduction, mechanisms of hormone action or molecular biology an asset. Competitive salary. Send CV and names of references to Dr. L. Cattler, Endocrinology Section, Case Western Reserve University/Rainbow Babies and Childrens Hospital, Room 790, 2101 Adelbert Road, Cleveland, OH 44106.

POSTDOCTORAL RESEARCH FELLOW. Biochemical/cardiovascular physiology research laboratory with Harvard Medical School, New England Regional Primate Research Center and Massachusetts General Hospital. Interfaces intact conscious animal physiology with cardiovascular autonomic receptor biochemistry. Background in biochemistry necessary; physiology helpful. Send CV and three references to Dr. Dorothy Vatner, New England Regional Primate Research Center, 1 Pine Hill Drive, Southborough, MA 01772.

POSITIONS DESIRED

M.D., 1981; Ph.D., 1990 (expected); Physiology, pharmacology; Hemodynamic and morphologic studies of pulmonary circulation, pulmonary vascular reactivity, EDRF in pulmonary circulation; Avail. July 1990; Postdoc. in academia or industry; Salary negot. 1-0005

Ph.D., 1990 (expected); Physiology; In vitro studies of isometric longitudinal contractions of ileal smooth muscle from rachitic and normal chickens; Avail. June 1990; Postdoc. in academia/industry; Salary negot.; New York City. 1-0025

M.D., 1982; Ph.D., 1990 (expected); Physiology, pharmacology; Conscious & anesthetized animals, neural regulation of cardiovascular activity, baroreceptors, baroreflex, coronary circulation, hemodynamics, heart failure, single nerve fiber & NTS recording; Avail. September 1990; Postdoc.; Salary negot. 1-0029

M.D., 1974; Cardiovascular pharmacology, renal physiology; Microperfusion, simultaneous capillary perfusion and PCT in vivo, biochemistry, immunoprecipitation and immunoassays, measuring cellular pH and calcium, myocardial ischemia study; Avail. April 1990; Research/teaching; Salary negot. 1-0030

Ph.D., 1976; Physiology, neurophysiology, immunology, chemistry, biochemistry; RIA and metabolic labeling, cell culture including CNS, neuropharmacology, antibody production, molecular biology, genetics and protein engineering, ecology; Date and salary negot. 1-0032

Ph.D., 1987; Biological chemistry, protein chemistry; Two years postdoc. experience in molecular biology and pharmacology of muscarinic cholinergic and adrenergic receptors, HPLC, gel electrophoresis, molecular cloning, expression of receptors in yeast and cultured cells; Industry/government; Avail. July 1990. 2-0033

M.D., 1976; M.S., 1979; Atherosclerosis; Lipid & lipoprotein purification, column chromatography, density gradient ultracentrifugation, cell electrophoresis, cell culture, animal surgery; Avail. May 1990; Research; Salary negot. 2-0034

Ph.D., 1977; Biochemistry, pharmacology, toxicology; Protein purification, enzymology, cell culture, immunochemistry, molecular biology; Avail. August 1990; Research/teaching; Salary negot. 2-0035

Ph.D., 1986; M.P.H., 1987; Nutrition, international health, biochemistry; Maternal/infant nutrition, atomic absorption spectrophotometry, mineral research; International experience; Research/teaching; Salary negot.; Avail. April 1990. 5-0036

Ph.D., 1965; Immunology; Director, HLA laboratory and immunology research; Administrative, teaching, research experience, tissue culture, cell activation, immunoassays, cytokine, HPLC, protein chemistry, cancer and transplantation; Salary neg.; Avail. April 1990. 6-0037

Ph.D., 1978; Pharmacology; Teaching experience in pharmacology, physiology and cell biology, research experience and publications in biochemical pharmacology and cell biology, administrative experience; Faculty position at graduate or undergraduate institution, Northeast or Midwest; Avail. July 1990; Salary $38–$50K. 3-0039

Ph.D., 1990 (expected); Nutrition, lipid metabolism; Experience in lipid analyses, in vivo and in vitro measurements, gas-liquid and thin-layer chromatography, lipoprotein separations; Avail. June 1990; Postdoc. or staff research position in academia or industry; Salary negot. 5-0040

Ph.D., 1990 (expected); Nutrition, biochemistry, physiology; Human metabolic and animal research methods, normal- and reversed-phase HPLC, plasma and tissue carotenoid analyses, nutritional assessment; Avail. August 1990; Postdoc. in vitamin/lipid research; Salary negot. 5-0041

Ph.D., 1984; Molecular genetics, immunology, microbiology; DNA cloning, cosmid & phage libraries, gel electrophoresis, Northern/Southern/Western blotting, nucleotide sequencing, PCR, immunochemistry, flow cytometry, tissue culture, MAb production, immune response assays; Research in academia/industry; Avail. June 1990; Salary negot. 6-0042

Ph.D., 1986; Immunology, molecular biology; Finishing postdoc. in T cell receptor analyses, Northern/Southern blotting, colony/plaque hybridization, PCR of RNA, double stranded sequencing; Avail. September 1990; Academia/industry; Salary negot. 6-0043

Ph.D., 1981; Immunology, virology; Viral and bacterial vaccine and diagnostics development, CTL and lymphokine assays, MAb production, antigen presentation assays, Western/Northern blotting, RIF, flow cytometry, affinity chromatography, managerial experience; Avail. August 1990; Industry/academia; Salary neg. 6-0044

Ph.D., 1984; Cellular immunology, immunopathology, immunochimistry, virology, microbiology; Tissue culture, lymphocyte cloning, FACS, in vitro, immunofluorescence, immunoprecipitation techniques, ELISA, animal surgery, injections and antisera production, manipulation of microorganisms; Avail. October 1990; Research. 6-0045

Ph.D., 1980; Cell biology, virology, immunology, endocrinology; Tissue culture, AIDS research, retrovirus isolation and characterization, bradykinin, antibody purification, immunoassays, hormonal regulation and receptor binding, electrophoresis; Avail. March 1990; Research in government, industry, academia; Salary negot. 7-0046

Ph.D., 1986; Physiology, cell physiology, pharmacology; Animal surgery, microsurgery, cell isolation, tissue culture, receptor binding studies, column chromatography, GLC, HPLC, management of animal environmental exposure chambers; Avail. July 1990; Staff position in academia or industry; Salary negot. 1-0047
Ph.D., 1988; Coronary physiology, CV pathophysiology, anatomy; Thrombosis/endothelial function, radiisotope cell labeling, SEM, in vivo, in vitro models of thrombosis, isolated vascular ring techniques, cell culture, large animal surgery; Initial faculty appointment in research/teaching; Prefer clinical setting. 1-0048

Ph.D., 1982; Biochemistry, endocrinology, enzymology; Role of oxygen radicals, neutrophil in cardiovascular injury, sarcoplasmic reticulum, sarcolemma, calcium transport, release channel, ryanodine binding, Langendorff isolated heart, receptor purification, RIA, kinetics, SDS gel electrophoresis, HPLC; Avail. March 1990; Academia/industry. 2-0049

Ph.D., 1990 (expected); Biochemistry, enzymology/protein chemistry; Experience in processing of bioactive peptides, protein purification, organelle isolation, peptide substrate design and synthesis, PAGE, HPLC, FPLC, TLC, ion-exchange chromatography; Postdoc. position in academia or industry; Salary negot. 2-0050

Ph.D., 1990 (expected); Pharmacology, autonomic neurotransmission; Extensive experience with cell culture and isolated tissue preparations, HPLC analysis of catecholamines, RIA of cyclic nucleotides, prosta glandins and peptides; Avail. September 1990; Postdoc. in academia or industry; Salary negot. 1-0051

Ph.D., 1990 (expected); Physiology, electrophysiology, pharmacology; Pacemaker and conduction studies in mammalian, avian, amphibian hearts, surface electrodes, extra and intracellular microelectrode recording, isolated organ tissue techniques, small animal surgery; Avail. September 1990; Postdoc. in academia or industry. 1-0052

Ph.D., 1990 (expected); Physiology, cardiovascular; In vivo cardiac autonomic nerve stimulations and recordings, acute myocardial ischemia and infarction, arrhythmia analysis and electrophysiology, sinus node artery perfusion and programmed electrical stimulation of the heart; Avail. July 1990; Postdoc. in academia/industry; Salary negot. 1-0053

Ph.D., 1984; Physiology; Ontogeny of vascular smooth muscle receptor (adrenergic, vasopressinergic) function, isolated vessel preparations, calcium antagonists, membrane transport, microelectrodes, Ussing chamber, microtechnique (light and EM), PAGE, isotope tracers; Avail. July 1990; Research/teaching; Salary negot. 1-0054

Ph.D., 1985; Neuroendocrine physiology, cell biology, molecular biology; Tissue culture, enzyme kinetics, site-directed mutagenesis, Western/Northern/Southern blotting, HPLC, RIA, adrenergic receptor assays, cell perfusion; 5 years postdoc. experience; Avail. September 1990; Research industry/government; Salary negot. 1-0056

Ph.D., 1990 (expected); Physiology, cardiovascular, cell physiology; Studies on altered vascular response to agonists with application to hypertension, chromatography techniques, HPLC, RIA, patch-clamp, image processing, laser diffraction techniques, animal surgery; Avail. July 1990; Postdoc. in academia/industry; Salary negot. 1-0057

Ph.D., 1979; Biochemistry, molecular biology; Protein and RNA purification, production of plasmid and phage cDNA libraries, immunoscreening, hybrid selection, Northern, Southern, DNA sequencing, PCR cloning; Avail. May 1990; East; Research in academia/industry; Salary negot. 2-0058

Ph.D., 1990 (expected); Molecular biology; Eukaryotic gene regulation, RNA isolation, cDNA synthesis, cloning, library construction, screening, subcloning, probe labeling, dideoxy sequencing, RIA development, IEF, some tissue culture and animal work; Avail. August 1990; Prefer permanent research. 2-0059

Ph.D., 1990 (expected); Molecular biology; Gene cloning, protein purification, gel electrophoresis, protein-DNA interactions, colony hybridization, overproduction of proteins using expression vectors, bacterial genetics, separation of nucleotides using HPLC; Avail. August 1990; Position in industry; Salary negot. 2-0060

Ph.D., 1980; Membrane biochemistry/biophysics; Membrane transport, lipid/protein interactions, enzyme kinetics, reconstitution, analytical biochemistry (lipids, carbohydrates), UV-Vis/fluorescence & ESR spectroscopy, LC-GC, cell culture, monolayers, membrane fusion, computers (UNIX); Research in industry/academia. 2-0061

Ph.D., 1986; Biochemistry, biophysics; Enzyme mechanisms, pre-steady state/steady state kinetics, affinity labeling/peptide separation, HPLC, protein purification, SDS and native gel electrophoresis, radiisotope techniques, spectroscopic methods; Government/industry research position; Avail. March 1990; Salary negot. 2-0062

Ph.D., 1987; Biochemistry, natural products chemistry; Protein chemistry & purification, enzymology, enzyme immobilization, radiotracers, analytical/preparative chromatography, gel electrophoresis, organic synthesis, tissue culture; Avail. April 1990; Applied research, product/process development; Salary negot. 2-0063

Ph.D., 1986; Biochemistry; Tissue culture, PAGE, gel and ion exchange chromatography, two dimensional thin layer chromatography, membrane isolation, enzyme kinetics, glycoconjugate analysis, radioimmunoassay, theoretical background in cellular/molecular biology; Avail. September 1990; Postdoc. industry/academia. 2-0064

Ph.D., 1984; Biochemistry, cell biology, molecular biology; Tissue culture, in vitro splicing and transcription, cell transfection, in vitro DNA recombination, nucleic acid & protein electrophoresis and blotting, protein purification, lipids; Avail. July 1990; Research/teaching; Salary negot. 2-0065

Ph.D., 1987; Biophysical chemistry, cell biology; Extracellular matrix protein isolation, cell culture, electrophoresis, Western/Northern blotting, in vitro biosassay, electron microscopy, polymer association thermodynamics, CD/UV spectroscopy, viscometry, computer programming/interfacing; Avail. March 1990; Industry; Salary $35-$45,000. 2-0066

Ph.D., 1990 (expected); Biochemistry; Protein phosphorylation (in vivo and in vitro), neurochemistry, protein purification, 1D and 2D gel electrophoresis, autoradiography, immunochemistry techniques; Avail. December 1990; Postdoc. in academia/industry; Salary negot. 2-0067

Ph.D., 1990 (expected); Biochemistry, developmental biology; Protein purification, characterization & phosphorylation, FPLC, HPLC, SDS-PAGE, 2-D urea gel, enzyme kinetics, subcellular fractionation, plasma membrane isolation by density gradient, lipid extraction, TLC; Avail. January 1991; Postdoc. in academia/industry; Salary negot. 2-0068

Ph.D., 1985; Biochemistry, endocrinology, cell biology; Organ and tissue culture, cell transfection, DNA plasmid preparation, enzyme assay, RIA, receptor binding, SDS-PAGE, Western blot, TLC, animal surgery, in vitro bioassay, recording of neuronal activity; Avail. March 1990; Research/teaching; Salary negot. 2-0069

Ph.D., 1985; Pharmacology, physiology; In vivo measurement of cardiovascular function with emphasis on the cerebral circulation role of opioids, prostanooids and the adrenergic nervous system in vascular control; Assistant professor in university; Avail. July 1990; Salary negot. 3-0070

Ph.D., 1986; Cardiovascular pharmacology, physiology; Animal surgery, hemodynamic studies in rats, rabbits, dogs and baboons, in vitro smooth muscle and perfusion set-ups, biochemical estimations, chromatography, DNA isolation and radiolabel analysis by 32P-post labeling technique; Avail. March 1990; Research, teaching; Salary negot. 3-0071

Ph.D., 1979; Pharmacology; Autonomic/media receptor pharmacology, smooth muscle physiology and pharmacology, contractile pharmacology, signal transduction processes; Avail. March 1990; Staff position in industry/academia; Salary negot. 3-0072

Ph.D., 1974; Pharmacology (cardiovascular, renal, autonomic); Conuscion animal studies, surgery, rat tail cuff BP, renal function (GFR, ERBF), dietary studies, RIA, GC, radiochemical assay for NE, enzyme isolation transmitter release, computer skills; Avail. June 1990; Academia/industry/government/nonprofit; Salary negot. 3-0073

Ph.D., 1990 (expected); Animal nutrition, physiological chemistry, enzymology, metabolism; Independent research, enzyme activity & kinetics, amino acids & vitamin B-6 analysis (LC & HPLC), isotope handling, relevant animal research techniques; Avail. May 1990; Teaching/Research in academia/industry/government; Salary negot. 3-0074

Ph.D., 1990 (expected); Nutrition; Trace mineral bioavailability and influence on nutrition and immunity, immunological techniques, injection and anti sera production and isolation in hens and eggs; Avail. August 1990; Postdoc. in academia/industry; Salary negot. 5-0076
Ph.D., 1986; Nutritional biochemistry, cell biology; Tissue culture, use of recombinant DNA techniques in metabolic research-transcription assay, cloning, Northern analysis, eukaryotic cell transfection, animal surgery, clinical dietetics practice and teaching; Avail. June 1991; Research/teaching; Salary negot. 5-0077

Ph.D., 1971; Immunology, tumor biology, preclinical and clinical cancer immunotherapy; Cell culture, MAbs, flow cytometry, tumor vaccine preparation/analysis, humoral and cellular immunosassays; Avail. March 1990; Research laboratory director/supervisor, academia/medical center/industry; Salary negot.; Northeast preferred. 6-0079

Ph.D., 1983; Immunology, hematology, molecular biology; Tissue culture, cellular immunology bioassays, NK & LAK, colony assays, flow cytometry, Southern/Northern Western blots, pulsed field gels, PCR, cDNA library construction and screening, SDS-PAGE, gel filtration; Avail. July 1990; Industry/academia; Salary negot. 6-0080

Ph.D., 1990 (expected): Immunology, microbiology; Tissue culture, cell surface marker assay, ELISA, isotyping, flow cytometry, animal studies, in vitro bioassays, immunomodulation, viral culture, cross match, RIA, histology, ID and culture of pathogens/nonpathogens; Avail. August 1990; Postdoc. in academia/industry; Salary negot. 6-0081

M.D., 1976; Ph.D., 1988; Cellular and molecular biology; Tissue culture, sarcodermal ion-transport studies, receptor binding, measure cellular Ca²⁺, pH, IPs, DNA, RNA and protein, HPLC, antisense, cloning, Northern, transfection; Avail. July 1990; Research in academia/industry; Salary negot. 7-0082

Ph.D., 1985; Cell/molecular biology; In vivo and in vitro systems, signal transduction, cell growth, biochemical, molecular, and genetic approaches; Teach cell biology, biochemistry, and pharmacology; Postdoc. fellow for 5 years; Academic research appointment; Avail. August 1990; Salary negot. 7-0083

M.S., 1989; Biochemistry; Gene expression, DNA/RNA isolation, DNA sequencing, DNA subcloning/transformation, tissue culture/transfection, Southern/Northern analysis, lambda and M13 phage, in vitro bioassays, manufacturing practices experience; Research associate or industrial position. 8-0084

M.S., 1990 (expected); Biology, physiology, biochemistry; Cardiology and O₂ radicals research, light/scanning and transmission electron microscopy, histochemical techniques, 3 years academic teaching, gas-liquid chromatography, spectrophotometry, electrophoresis, microcomputer competency; Avail. August 1990; Teaching/research; Salary negot. 8-0085

M.S., 1990 (expected); Biochemistry, toxicology, molecular biology; Computer modeling, recombinant DNA technique, cloning, DNA sequencing, Western/Southern/Northern blotting, gel electrophoresis, HPLC, FPLC, protein purification; Avail. May 1990; Governmental public policy, sales, technical writing; Salary negot.; No geographic restriction. 8-0086

Ph.D., 1979; Biochemistry; Cancer and receptor biochemistry, transmembrane signalling, transport studies, protein purification and characterization, tissue culture, growth factors & development, research/teaching, supervisory experience, received pilot project awards; Tenure track/government/industry position; Avail. March 1990. 2-0087

Ph.D., 1987; Physiology, pharmacology; All animal studies, arrhythmia, fibrillation, mapping, hemodynamics, coronary circulation, animal surgery acute and chronic, myocardial infarction, in vitro microelectrodes, teaching, programming, system analysis; Avail. May 1990; Research/industry; Salary negot. 1-0088

Ph.D., 1991 (expected); Physiology, cell biology, tumor cell matrix interactions; Affinity chromatography, ELISA, gel electrophoresis, Western immunoblot, immunofluorescence, immunoprecipitation, polyclonal antibodies, protein purification and localization, radioautography, radiotracer binding; Avail. 1991; Postdoc. 1-0089

Ph.D., 1986; DVM, 1984; Respiratory physiology; Lung mechanics and surfactant composition, postdoc. in control of breathing, acclimatization to hypoxia, graduate and professional lectures and laboratories, computer programming, data acquisition and analysis; Avail. June 1990; Research/teaching; Northeast; Salary negot. 1-0090

Ph.D., 1990 (expected); M.D., 1982; Cardiovascular physiology, neurophysiology, electrophysiology & neuroanatomy; Animal surgery, baroreceptor & chemoreflex, isolation & perfusion of carotid sinus, recording single unit discharge, application of HRP, programming (C & Assembly); Avail. July 1990; Postdoc. in academia/industry. 1-0091

Ph.D., 1990 (expected); Molecular biology, biochemistry; Cloning, Western/Southern/Northern blotting, in vitro protein synthesis, in situ hybridization, polysomal and poly (A) RNA isolation, gel shift assays, liposome preparation, ELISA, microscopy, photography, tissue embedding; Avail. August 1990; Postdoc. in academia/industry. 2-0092

Ph.D., 1990 (expected); Chemistry, biochemistry; Protein isolation and purification including size exclusion, anion exchange, and affinity chromatography, characterization of a protein by equilibrium and kinetic methods using UBV/Vis & NMR spectroscopy and HPLC; Avail. April 1990; Industrial position; Salary negot. 2-0093

Ph.D., 1990 (expected); Pharmacology, toxicology, neuropharmacology, neurotoxicology; Receptor binding, HPLC, behavior, medicinal chemistry, reactions and workup, environmental sciences, aquatic systems, ecology, computer use, SAS; Avail. June 1990; Postdoc. in academia/industry; Salary negot. 3-0094

Ph.D., 1990 (expected); Pharmacology, toxicology, biochemistry; Prolyl hydroxylase, collagen biosynthesis, tissue culture, cell isolation and culture, biomedical analysis, standard chromatography including affinity, GC, biochemical separation methods, computer experience; Avail. January 1991; Postdoc. in academia/industry; Salary negot. 3-0095

Ph.D., 1990 (expected); Nutrition, immunology, epidemiology, carcinogenesis; Indirect calorimetry, animal and human, tissue culture, in vitro assays, RIA, MAb purification, column chromatography, research design, statistical analysis using SAS; Avail. January 1991; Postdoc. research/teaching; Salary negot. 5-0097

Ph.D., 1988; Nutrition, endocrinology postdoc.; R.D.; Balance studies premature infants, stable & radioisotopes, RIA, ELISA, mass spectra, gas & liquid chromatography, FPLC, Western and Northern blots, RNA extraction, DNA/protein analyses, PAGE, animal studies; Assistant professor. 5-0098

Ph.D., 1990 (expected); Human nutrition, toxicology, physiology, clinical nutrition; R.D.; Intestinal absorption methodology, mineral analyses using electrothermal atomization spectrophotometry, cardiac output/blood flow measures using radiolabeled microspheres; Avail. August 1990; Postdoc. in academia/industry; Salary negot. 5-0099

Ph.D., 1990 (expected); Toxicology, biochemistry, nutrition, epidemiology, Carcinogenesis, animal studies, microscopy/histology, epidemiology/blood/quality control/methodology development, research design/coordination, oxygen radicals, tissue culture, bioenergetics, protein metabolism; Avail. September 1990; Research/teaching; Salary negot. 5-0100

Ph.D., 1990 (expected); Immunology, cell biology; Flow cytometry (surface immunofluorescence, DNA analysis, reticulocyte analysis), tissue culture, ELISA, in vitro bioassays, immunofluorescence microscopy; Avail. July 1990; Postdoc. in academia/industry; Salary negot. 6-0101

Ph.D., 1988; Anatomy, immunology; Lymphoid cell isolation and culture, splenocyte proliferation and IL-1 assay, isolation of plasma Fn and bacterial LPS, SDS-PAGE, Western blotting, ELISA, Ca²⁺ density gradient analysis, affinity chromatography; Avail. July 1990; Postdoc. research/teaching in Bethesda-D.C. area; Salary negot. 6-0102

Ph.D., 1986; Immunology, parasitology, cell & molecular biology; Biomedical & veterinary research experience, tissue and parasite culture, in vitro bioassays, coelomiphil biology, inflammation/asthma, gene cloning, cell-parasite interactions, light and electron microscopy/photography; Avail. August 1990; Industry/academia; Salary negot. 6-0103

Ph.D., 1986; Neurobiology, physiology, neural control of cardiopulmonary, Brain slice & in vivo preparations, intracellular/extracellular recording, SEVC, intracellular staining, tract tracing, fluorescence and TEM microscopy, grant & manuscript writing; Avail. January 1991; Research/teaching in academia/industry. 1-0112
Ph.D., 1987; Pharmacology, toxicology, molecular biology; Protein purification and characterization, enzyme kinetics, antibody production, Western blotting, DNA and RNA isolation, Northern and Southern blotting, cDNA and genomic cloning, DNA sequencing, HPLC, GC; Avail. June 1990; Research in industry; Salary negot. 3-0113

M.D., 1981; BC, Infectious Diseases & Internal Medicine; Mucosal immunology, lymphokines, B cell differentiation, cell culture, FMM, cell sorting, hybridomas, ELISA & ELISPOT, SDS-PAGE, receptor binding, Western, Northern & Southern blots, SI nuclease protection assay, DNase protection assays; Avail. July 1990; Research/teaching; Salary negot. 6-0114

Ph.D., 1981; Electrolyte physiology; Ion transport in epithelial tissue and cardiac myocytes, conventional and ion-selective intracellular electrodes, flux studies with multiple radiotracers, voltage clamp, video microscopy, clearance studies, in vitro bioassays, computer data analysis; Avail. September 1990; Research/teaching; Salary negot. 1-0115

Ph.D., 1987; Pharmacology/toxicology; Pathogenesis of atherosclerosis, in vitro and in vivo techniques, RIA, ELISA, lipoprotein separation, extraction of arterial lipoproteins, 1-D gel electrophoresis and SDS-PAGE, column and thin-layer chromatography; Avail. September 1990; Research/industry. 3-0116

Ph.D., 1991 (expected); Pharmacology, toxicology; Designing and conducting developmental and behavioral toxicology studies, cell culture, cell culture assays, flow cytometry, fluorescence microscopy and various analytical instruments; Avail. May 1991; Research in academia/industry; Salary negot. 3-0117

Ph.D., 1983; Biochemistry, molecular biology; RNA transcription/control, DNA-protein interactions, protein purification/analysis, RNA structure mapping, DNA/RNA sequencing, blotting, footprinting, cloning and recombinant DNA techniques; Avail. March 1990; Research industry/government; Salary negot. 2-0118

Ph.D., 1988; Molecular biology, biochemistry, genetics; Regulation of gene expression by steroids and cytokines, protein-DNA binding, receptor binding, cloning, protein sequencing, 2-D PAGE, retroviruses, supervisory experience; Research/teaching molecular biology, or industry position preferably in oncogene/tumor suppressor gene function. 2-0119

Ph.D., 1988; Pharmacology, physiology, nephrology; Transport and metabolism in isolated nephron segments, intracellular and intramitochondrial fluorescence monitoring of pH and Ca++, hormone/pharmacologic interactions second messenger generation, acute and chronic animal surgery; Avail. August 1990; Research/teaching; Salary negot. 3-0120

Ph.D., 1990 (expected); Molecular biology, cell biology, microbiology; Tissue culture, in vitro bioassays, mRNA analysis (Northern hybridizations and start-site analysis), Southern blotting, gene cloning and subcloning, sequencing and sequence analysis; Avail. August 1990; Postdoc. in academia/industry; Salary negot. 2-0121

Ph.D., 1987; Biochemistry, molecular biology; Protein purification, site-directed mutagenesis, enzyme kinetic studies, Southern/Western/Northern blotting, cloning, DNA sequencing, gel electrophoresis, primer extension, HPLC, FPLC; Avail. September 1990; East coast USA; Research in industry; Salary negot. 2-0122

Ph.D., 1982; Nutrition, food science, food technology; Nutrients bioavailability in vivo and in vitro, trace mineral nutrition, laboratory animal surgery, radiotracer techniques, LSC, RRI, gamma, GC, HPLC, TLC, AAS, MS, food analysis; Avail. July 1990; Research academy/industry; Salary negot. 5-0123

Ph.D., 1971; Human anatomy, embryology; Teaching, teratological research, environmental remediation, plan review and quality control; Administration, teaching, or quality control position in health-related field; Salary negot.; Western state; Avail. March 1990. 1-0124

Ph.D., 1990 (expected); Nutrition; Metabolic regulation, obesity in genetic mutant, BAT metabolism, hormone actions, insulin secretion, animal surgery, injections, RIA and HPLC; Avail. September 1990; Postdoc. in academia/industry; Salary negot. 5-0125

Ph.D., 1985; Cardiovascular physiology, pharmacology, biochemistry; Cell culture, isolated perfused hearts, small animal surgery, RIA, enzymatic assay, HPLC, PAGE, immunoblotting, radioligand binding, signal transduction pathways (G proteins, adenylyl cyclase, CAMP, protein kinase); Avail. September 1990; Research/teaching; Salary negot. 1-0126

D.D.S., 1984; Ph.D., 1990 (expected); Molecular biology, immunology, microbiology; Site directed mutagenesis, cloning, colony hybridization, sequencing, electroporation, tissue culture, in vitro bioassays, hybridoma generation, flow cytometry, histology; Avail. December 1990; Postdoc. in academia; Salary negot. 2-0128

Ph.D., 1983; Virology, molecular biology; Tissue culture, DNA cloning, in situ hybridization, sequencing, protein expression, purification, immunological assay; Research; Avail. September 1990; Salary negot.; 1) Baltimore-Washington area, 2) Southern California. 2-0129

Ph.D., 1990 (expected); Nutrition; Clinical studies of nutritional and metabolic sequelae of HIV infection and cancer, R.N., adult acute care, management of data and clinical samples, study design and data analysis; Avail. July 1990; Clinical research associate in academia/industry; West/midwest preferred; Salary negot. 5-0130

M.D., 1984; Ph.D., 1983; Cellular immunology, leukocyte biology, parasitic immunology; Analysis of cell surface antigens, radioligand techniques for cytokine receptors, functional and metabolic assays with leukocytes, clinical infectious diseases and immune deficiency; Avail. October 1990; Research academy or industry; Salary negot. 6-0133

Ph.D., 1987; Physiology, cardiovascular physiology; Neural/metabolic/endotherial control of coronary flow, blood pressure regulation, ultradian rhythms, closed-chest cannulation of coronary vessels, A-V blockade, baroreceptor denervation, telemetry, animal surgery; Avail. August 1990; Research/teaching; Salary negot. 1-0134

Ph.D., 1990 (expected); Physiology, water and electrolyte physiology, endocrinology; Mechanisms of cold diuresis in conscious, chronically instrumented rat, RIA for ANF, ADH, ALDO, renin; Avail. July 1990; Postdoc. position in academia or industry; Salary negot. 1-0135

Ph.D., 1976; M.B.A., 1988; Biochemistry; Extensive experience in protein purification and analysis, characterization of membrane receptors and signal transduction mechanisms, mammalian cell culture, MAb production, RIA/ELISA, HPLC, laboratory and project management; Avail. March 1990; R&D management position in industry; Salary negot. 2-0138

Ph.D., 1983; Molecular biology, plant biochemistry; Cloning, expression libraries, RNA/DNA colony hybridization, PCR, FPLC, HPLC, protein purification, Western blotting, electrophoresis, teaching undergraduate & graduate, 7 years postdoc. experience; Research associate/assistant professor; Avail. September 1990. 2-0139

Ph.D., 1990 (expected); Molecular biology, reproductive endocrinology, virology; DNA cloning and sequencing, footprinting. RNA analysis, Western blotting, cell and embryo culture, transfection, viral and interferon assay, animal surgery; Avail. February 1991; Postdoc. in academia/industry; Salary negot. 2-0140

Ph.D., 1989; Biochemistry, immunology; Tissue culture, Northern blot, nuclear run off, HPLC, FPLC, SDS-PAGE, photoaffinity labeling, injection and antibody production, protein purification; Avail. June 1990; Postdoc. in academia/industry; Salary negot. 2-0141

Ph.D., 1990 (expected); Biochemistry, molecular biology, microbiology; In vitro transcription, RNA sequencing and footprinting, radiolabeling of proteins/nucleic acids, Northern/Western blotting, RIA/ELISA development; Avail. January 1991; Postdoc. or permanent, industry/academia; Salary $24,000+. 2-0142

Ph.D., 1984; Biochemistry, cell biology, immunotoximology; Protein purification, HPLC, enzyme kinetics, tissue culture, radiomunoassay, ELISA, immunofluorescence, injection and antisera production, MAb production, microscopy and photography; Avail. July 1990; Research/teaching; Salary negot. 2-0143
Ph.D., 1975; Biochemistry, molecular endocrinology, protein chemistry, enzymology; Protein purification, enzyme kinetics, chemical modification of proteins, intermediary metabolism, tissue culture, signal transduction, hormone receptors, PAGE, HPLC, ELISA, cloning techniques; Avail. May 1990; Academy/industry/government; Salary negot. 2-0144

Ph.D., 1986; Biochemistry, molecular biology; Protein purification and characterization, HPLC, FPLC, protein chemistry, enzymology, recombinant DNA, blotting (all), cell culture, DNA sequencing, PCR, gene transfer, antibody production, DNA fingerprinting, directed mutagenesis; Avail. May 1990; Research/teaching in industry/academia. 2-0145

Ph.D., 1990 (expected); Pharmacology, bone physiology and biochemistry; Tissue/cell culture, drug design/synthesis, assay design, ion exchange chromatography, HPLC, GC/MS, electrochemical detection, TLC, spectrofluorometry, gel electrophoresis, protein purification; Avail. December 1990; Postdoc. in academia; Salary negot. 3-0147

Ph.D., 1990 (expected); Immunology, parasitology; Several years experience as technician, tissue culture, hybridoma production, ELISA, plaque assays, in vivo bioassays, electrophoresis, immunoprecipitation, FACS analysis, Western/Southern blotting, RFLP analysis, computers; Avail. September 1990; Research/teaching; Salary negot. 6-0149

Ph.D., 1987; Pharmacology, protein chemistry, cardiovascular physiology; Langendorff perfusion, cardiac and smooth muscle preparation, RIA, chromatography, gel electrophoresis, spectrophotometry, animal surgery, preparation of histological specimen; Avail. July 1990; Research in academia/industry; Salary negot. 3-0148

Ph.D., 1990 (expected); Immunology, parasitology; Several years experience as technician, tissue culture, hybridoma production, ELISA, plaque assays, in vivo bioassays, electrophoresis, immunoprecipitation, FACS analysis, Western/Southern blotting, RFLP analysis, computers; Avail. September 1990; Research/teaching; Salary negot. 6-0149

M.D., 1984; Medicine, immunology; Infect mice, mice surgery, purification of parasites, ELISA, IPA, immunoprecipitation, Western blot, SDS-PAGE, autoradiography, electro-eluot, protein estimation; Research associate in academia/industry; Avail. March 1990; Salary negot. 6-0150

Ph.D., 1982; Electrophysiology, muscle metabolism, and biochemistry; Whole cell patch clamp analysis of ionic currents in colon smooth muscle and cardiac myocytes, regulation of fatty acid metabolism in heart; Avail. April 1990; Staff position in academia or industry; Salary open. 1-0152

Ph.D., 1989; Communicative neuroscience, auditory electrophysiology; Single and multunit recording, in vivo and in vitro, compound action potentials and volume conducted evoked potentials, animal surgery, handling and breeding, microscopy, photography; Avail. January 1990; Research in industry; Salary negot. 1-0153

Ph.D., 1990 (expected); Exercise physiology, muscle biology; Light and electron microscopy/photography, stereology, immunocytochemistry, auto- radiography, tissue culture, bioassays for mitotic activity, venipuncture, animal surgery, human and animal exercise training/testing; Avail. January 1991; Postdoc. in academia; Salary negot. 1-0154

Ph.D., 1986; Cardiovascular/renal physiology; Animal surgery, in vivo (conscious) measurements including BP, HR, R. atrial pressure, L. ventricular function, induction, treatment of hypertension/diabetes mellitus, blood volume determination, RIA, spectrophotometry, in vitro vascular contractility; Avail. August 1990. 1-0155

Ph.D., 1990; Physiology; Integrative cardiovascular physiology, neural & local factors regulating peripheral circulation during exercise, chronic animal preparations, pharmacological evaluation of regulatory mechanisms, hemodynamic measurements, computer acquisition & data analysis; Avail. September 1990; Postdoc. in academia; Salary negot. 1-0156

Ph.D., 1990 (expected); Molecular biology; Recombinant DNA techniques, protein purification and enzyme kinetic study, RNA isolation and characterization, in vitro transcription system, gel and paper electrophoresis, TLC, tissue culture, Ehrlich ascites tumor cell system in mice, computer applications; Avail. December 1990; Postdoc. 2-0157

Ph.D., 1989; Molecular biology, biochemistry, cell biology; Experience in DNA methodologies, protein purification, bacterial and eukaryotic gene expression, gene amplification, receptor biology/ligand binding, tissue culture and immunology; Avail. September 1990; Industrial research position; Salary negot. 2-0160

Ph.D., 1983; Nutrition, biochemistry, protein chemistry; Characterization of crosslinks in collagen, experience in large scale purification, HPLC of peptides & amino acids, UV, fluorescence, some experience in mass spectroscopy and NMR, postdoc. experience; Avail. July 1990; Research position in academia or industry. 2-0162

Ph.D., 1991 (expected); Pharmacology, biochemistry, enzymology; Protein purification, gel electrophoresis, affinity labeling and chemical modification of protein, enzyme kinetics, animal surgery and injections, superfusion, cell culture; Avail. June 1991; Postdoc. in academia; Salary negot. 3-0163

Ph.D., 1990 (expected); Nutritional sciences, physiological chemistry, biochemistry; Membrane vesicle preparation, transport kinetics, Na-dependent transport system, ion-exchange chromatography, amino acid analysis, HPLC, enzyme kinetics, regulation of metabolic pathways; Avail. May 1990; Postdoc. in academia/industry; Salary negot. 5-0164

Ph.D., 1990 (expected); Nutrition, biochemistry, cell biology; Tissue culture, in vitro assays, cell-cell communication, cell hybridization, autoradiography, enzyme assays, histochemistry; Avail. August 1990; Teaching/research or postdoc. in energy balance/diabetes; Salary negot. 5-0165

Ph.D., 1986; Cellular immunology, immunopharmacology; Tissue culture, transmembrane signalling, animal techniques, macrophage activation, isolation of blood cell subpopulations, cancer biology, O2 radicals, receptor studies, RNA/DNA hybridizations; Avail. March 1991; Assistant professor level position in academia/industry; Salary negot. 6-0166

Ph.D., 1981; Immunology, protein chemistry; Residue-specific MAb production, immunodiagnostic assay development, protein/peptide purification & characterization, peptide sequencing & synthesis, synthetic antigen development, human MAb techniques, PAGE, ELISA, immuno- blot; Avail. March 1990; Staff academia, government, industry. 6-0167

Ph.D., 1987; Immunogenetics, molecular biology, cellular immunology; Molecular cloning, DNA/RNA hybridizations, DNA sequencing, FIGE, DNA-mediated gene transfer, electroporation, MAb production/characterization, tissue typing, immunoprecipitation/PAGE, ELISA, RIA, CTL assay; Research/teaching in academia/industry; Salary negot. 6-0168

Ph.D., 1982; Biochemistry, biophysics, physiology; Hybridoma production, DNA cloning, in vitro translation, affinity chromatography, electrophoresis, immunoblotting, immunoassay, tissue culture, microscopy/photography; Avail. August 1990; Research/administration in academia/industry/government; Salary negot. 7-0169

Ph.D., 1984; Muscle biochemistry, respiratory physiology; Cell regulation of Acetyl CoA and lipid metabolism, REA development, protein purification, diffusion and gas exchange, small animal surgery and chronic catheterization, microsphere and noninvasive CO methods, pressure transducer measurements; Academia/government/industry. 1-0171

Ph.D., 1987; Cardiovascular physiology, gastrointestinal physiology; Chronic animal instrumentation, instrument development, computer programming/mathematical modelling; Avail. October 1990; Research in academia/industry; Salary negot. 1-0173

Ph.D., 1990 (expected); MBE, 1985; Cardiovascular physiology; CV, renal and hormonal effects of peptide hormones, aseptic surgery, isolated heart preparation, biomedical engineering, computer programming for data acquisition, analysis and display, electronic instrumentation design, construction, repair; Avail. July 1990; Salary negot. 1-0174

Ph.D., 1990 (expected); Physiology, biophysics, microbiology, zoology; Animal surgery, injections, electrophysiology, blood pressure measurements in rats, tissue sectioning, immunocytochemistry, receptor assays, RIA, DNA/RNA extraction, cell culture and sucrose gradient centrifugation; Avail. May 1990; Postdoc. in academia/industry; Salary negot. 1-0175

Ph.D., 1985; Microbiology, biochemistry; Enzymology of phospholipids, protein purification, animal and bacterial cell culture, bacterial genetics, exocytosis in chromaffin cell, subcellular membrane fractionations; Avail. July 1990; Academic teaching/research or biotechnology industry; Salary negot. 2-0176
Ph.D., 1985; Physical biochemistry, protein chemistry, redox enzymology; Experience in EPR, CD,Stopped-flow, T-jump, electrometry, membrane and soluble protein purification, FPLC, HPLC, aqueous 2-phase partitioning, DNA subcloning and protein expression, teaching experience; Assistant professor or staff scientist; Avail. August 1990. 2-0177

Ph.D., 1985; Plant & microbial biochemistry, cell biology, natural product metabolism; Analysis and identification of plant metabolites, including sterols, rubber, polyacetylenes and other lipids, plant tissue & organ culture, agrobacterium transformation and inheritance; Avail. July 1990; Research industry/teaching; Salary negot. 2-0178

Ph.D., 1985; Biochemistry, molecular biology; Protein purification and characterization, ligand/receptor binding assays, tissue culture, gel electrophoresis, RNA/DNA isolation, Northern/Southern blots, PCR, DNA cloning and sequencing; Avail. April 1990; Research position in industry; Salary negot. 2-0179

Ph.D., 1978; Phytochemistry, natural products chemistry, medicinal plant and food chemistry; Isolation and characterization of natural products from plants and fungi and plant bioassay; Senior research position; Avail. March 1990; D.C. area; Salary negot. 2-0180

Ph.D., 1990 (expected); Pharmacology, physiology; Evaluate central and peripheral effects of drugs on the cardiovascular and renal function in anesthetized dogs, technique to study hemorrhagic shock, acute renal failure, vascular reactivity, isolated perfused kidney, biochemical determinations; Avail. October 1990; Postdoc. in industry. 3-0181

Ph.D., 1987; Pharmacology, tumor biology; Neurotrophic growth factors, nerve growth factor, whole animal and tissue culture experience, HPLC, receptor binding, immunoprecipitation, gel electrophoresis, isolated membrane preparation, cell fusion technique, phospholipid metabolism, signal transduction; Avail. August 1990; Research/industry/academia. 3-0182

Ph.D., 1984; Medicinal chemistry; Cell culture, bioassays, eicosanoid biochemistry, lung physiology, SAR, pharmacodynamics, toxicology, immunomodulation; Teaching/research; Salary negot. 3-0183

Ph.D., 1990 (expected); Biochemical pharmacology; Liver perfusion, isolated hepatocyte preparation, ion exchange chromatography, metabolic flux studies, spectrophotometric and fluorometric analysis, animal surgery including numerous cannulation techniques; Avail. May 1990; Postdoc. in academia/industry; Salary negot. 3-0184

Ph.D., 1990 (expected); Pharmacology, cardiac physiology; Animal surgery, HPLC, electrocardiography, polargraph/ transducer applications, agarose gel electrophoresis, spectrophotometry, histology, fluorescence photography; Avail. January 1991; Research/postdoc. in academia/industry. 3-0185

Ph.D., 1987; Pharmacology; Eicosanoid metabolism and pharmacology, radioligand binding assays, in vitro functional assays, calcium mobilization, smooth muscle contraction, plateau function, experience with platelets, vascular tissue, renal tissue, tissue culture, TxA4 receptor regulation; Avail. July 1990; Academia/industry. 3-0186

Ph.D., 1990 (expected); Toxicology, biochemical/molecular/cholinergic pharmacology; Experience in drug analysis, method development, chromatographic techniques, REA, RIA, in vivo and in vitro enzyme inhibitory studies, some teaching experience; Avail. June 1990; Postdoc./research in academia or industry/teaching; Salary negot. 3-0187

Ph.D., 1990 (expected); Pharmacology; Tissue bath in vitro bioassays, radioligand receptor binding, RIA, chromatography, tail cuff blood pressure measurement, ICV and intra-thecal injections, small animal surgery, biochemical analytical techniques, tail fli c angiogenic test; Avail. December 1990; Postdoc. in academia/industry; Salary negot. 3-0188

Ph.D., 1987; Nutrition, food science and technology; Mineral balance studies, radionuclotide tracer methodology, DMBH colon cancer and DMBA mammary tumor models, quantification of body fluid compartments, experimental design and statistical analysis, nutritional and organoleptics of cereals & dairy; Academia/industry; Salary negot. 5-0191

Ph.D., 1985; Nutrition/food biochemistry; Postdoc. experience in lipids, lipoprotein and apolipoprotein metabolism with fat or fiber intake, monounsaturates and mammmary neoplasia in rats, background in food analysis, QC and R&D; MBA; Avail. March 1990; Position in academia or industry; Salary negot. 5-0192

Ph.D., 1990 (expected); Animal science, nutrition, protein biochemistry; Modeling in vivo protein metabolism, gas chromatography/mass spectrometry, HPLC, NMR, peptide synthesis, stable isotope tracer kinetics, animal surgery; Avail. January 1991; Postdoc. in industry/academia; Salary negot. 5-0193

Ph.D., 1990 (expected); Immunology, toxicology, biochemistry, nutrition; Tissue culture, immune cell separation & fractionation, electrophoresis (SDS-PAGE, IEF), chromatography (HPLC, TLC, chromatofocusing, gel filtration), DNA isolation, carcinogen testing; Avail. January 1991; Postdoc. in academia/industry; Salary negot. 5-0194

Ph.D., 1980; Immunology, microbiology, infectious diseases; Tissue culture, host-parasite interactions, in vitro & in vivo models of infection, MAb production & purification, lymphocyte assays, immunofluorescence, ELISA, gel electrophoresis, immunoblotting, immunodiagnostic; Avail. July 1990; Research/teaching; Salary negot. 6-0195

Ph.D., 1990 (expected); Immunology, cell biology, microbiology; Cell/tissue culture, flow cytometry (DNA analysis), lymphocyte cloning, immunomassays (ELISA), hybridoma and MAB production; Avail. November 1990; Postdoc. in academia/industry; Salary negot. 6-0196

Ph.D., 1990 (expected); Immunoochemistry, Tissue culture, animal surgery, immunofluorescence microscopy, rabbit immunization, Western blotting, ELISA, immunoprecipitation, gel electrophoresis, HPLC, peptide engineering (computer modeling, synthesis, AA analysis, sequencing, CD); Avail. November 1990; Postdoc. academia/industry. 6-0197

Ph.D., 1984; Immunology, toxicology, cell biology, immunoochemistry; Macrophage function, inflammation, tissue culture, bioassay, monoclonal antibody production and purification, peritoneal wound healing, drug development, mechanistic studies; Avail. March 1990; Industry/research; Salary negot.; Southern California. 6-0198

Ph.D., 1985; Immunology, immunoparasitology, microbiology; Immunoochemistry including chromatography, gel electrophoresis, IEF, Western blotting, ELISA, cellular immunology including sterile tissue culture, in vitro assays, serum/plasma collection, handling pathogens, foreign languages; Avail. January 1991; Research/teaching; Salary negot. 6-0199

Ph.D., 1985; Immunology, molecular biology, biochemistry; Regulation of gene expression (Northern), lymphocytes & HIV-LTR activation, lymphokine biochemistry & cloning, CDNA library development, expression & screening, receptor studies, B cell differentiation, development of MABs, bioassays, cell lines; Faculty/staff. 6-0200

M.S., 1990 (expected); Biochemistry; Tissue culture, explant growth, staining, labeling, lipid uptake and clearance in macrophage and smooth muscle cells, lipoprotein isolation, cholesterol and triglyceride analysis, GC, TLC, enzymatic assay, electrophoresis; Avail. June 1990; Research; Salary negot. 8-0201

Ph.D., 1990 (expected); Biochemistry, enzymology, protein chemistry; Protein structure/function, protein purification and characterization, enzyme kinetics and chemical modification of protein, electrophoresis, chromatography, fluorescence; Salary negot. 2-0202

Ph.D., 1982; Molecular biology, biochemistry; RNA/DNA synthesis, isolation and manipulation, cloning, mapping, sequencing, Northern/Southern blotting, enzymology, some kinetics, HIV reverse transcriptase; Avail. May 1990; Research; Salary negot. 2-0203

Sc.D., 1988; Physiology, neuroanatomy, gross anatomy; Whole animal perfusion/dissection, SEM, TEM, IVEM and ancillary preparative techniques, biochemical laboratory techniques related to applied physiology and metabolism; Avail. August 1990; Teaching/research; Salary negot. 1-0204
Ph.D., 1972; Biochemistry, molecular biology, mitochondrial biogenesis, immunology, genetics; Genes in tumor progression, adrenal/mammary cell gene regulation, cell culture, MBA production/ELISA/RIA, Southern/Northern/Western blots; 15 years medical school/3 years industry consultant; Avail. March 1990; Research/teaching. 2-0205

Ph.D., 1983; Aerospace, environmental, systemic physiology; Gravitational physiology, acceleration protection, life support, electron microscopy, autoradiography, toxicology, human factors engineering, product development, computer display design; Avail. March 1990; Research/teaching/product development; Salary negot.; Western US. 1-0206

Ph.D., 1990 (expected); Biochemistry, biochemical toxicology, enzyme chemistry; Conjugation, in vivo and in vitro metabolism, high performance liquid chromatography, nuclear magnetic resonance spectroscopy, mass spectrometry, biochemical separation techniques; Avail. August 1990; Academia/industry; Salary negot. 2-0207

Ph.D., 1986; Immunology, microbiology; Bioassays, 14C-release, CTL, NK assays, lymphocyte isolation, MBA production and characterization, antisera production, tissue culture, HPLC, gel electrophoresis, chromatography, peptide radiolabeling, immunoprecipitation, computer; Avail. August 1990; Advanced postdoc. or junior faculty; Salary negot. 6-0210

Ph.D., 1986; ImmunoPharmacology, receptor biochemistry; Tissue culture, cell permeabilization, signal transduction, secretion, membrane preparation, ADP-ribosylation of G-proteins, receptor binding, SDS-PAGE, immunoblotting; Avail. June 1990; Position in industry or academia. 3-0211

Ph.D., 1990 (expected); Biochemistry, molecular biology, infectious virus; Peptide synthesis, antibody production, protein purification and characterization, immunoassay, gene cloning and expression; Avail. May 1990; Postdoc. in academia/industry; Salary negot. 2-0213

Ph.D., 1985; Molecular biology, immunology, parasitology; Northern and Southern blotting, gel electrophoresis, cDNA and genomic library screening, cloning and sequencing, polymerase chain reaction (PCR), site-directed mutagenesis; Avail. April 1990; Research/teaching in academia/industry; Salary negot. 2-0214

Ph.D., 1991 (expected); Pharmacology, neurophysiology; Neural control of cardiovascular function, stereotoxic and microinjection techniques, manufacture of glass micropipettes, small animal surgery, HPLC-EC detection-of catecholamines; Avail. August 1991; Postdoc.; Salary negot. 3-0215

Ph.D., 1985; Nutrition, biochemistry, physiology; RIA, electrophoresis, isoelectric focusing, chromatography (GC, TLC, column), enzyme assays, experience with nonhuman primates; Avail. June 1990; Postdoc. or research assistant in lipoprotein laboratory; Salary negot. 5-0216

Ph.D., 1988; Immunology, pharmacology; Cytokine immunohistochemical detection and bioassay, Northern blot and in situ hybridization, leukocyte culture and functional assays, enzyme assay, purification, and electrophoretic analysis, drug testing in inflammation and cancer; Avail. August 1990; Research/teaching; Salary negot. 6-0217

Ph.D., 1987; Molecular biology, immunology; Tissue culture, cellular immunoassays, primary bone marrow culture, MBA production and purification, transfection, sequencing, PCR, chimeric gene construction, Southern, Northern, Western blot analysis, site-directed mutagenesis; Avail. January 1991; Salary negot. 6-0218

Ph.D., 1987; Cardiovascular physiology, endocrinology; Chronic and acute cardiovascular instrumentation, analysis of cardiac mechanics, including pressure and flow measurement, sonomicrometric dimension and volume applications, RIA and some cell culture experience; Avail. July 1990; Academic research and teaching/industry; Salary negot. 1-0219

Ph.D., 1986; Enzymology, bioorganic chemistry; Transition state analog inhibitor design, substrate and solvent isotope effects, kinetics, organic synthesis, HPLC, protein purification, 2D-NMR, programming in BASIC; Research scientist in industry; Salary negot. 2-0220

Ph.D., 1978; Biochemistry, physiology; Tissue culture, drug metabolism, radioimmunoassay, protein purification, enzyme kinetics, in vitro bioassays, Western/Southern blotting, hepatic, renal and gut metabolism, animal surgery; Avail. March 1990; Teaching/research/industrial; Salary negot. 2-0221

Ph.D., 1981; Organic chemistry, biochemistry; Protein purification, characterization, chromatography, electrophoresis, IEF and chemical modification, peptide synthesis, protein-protein conjugation, ELISA, immunoblotting, antibody labelling, enzyme assays, tissue culture, in vivo & in vitro bioassays; Staff position in academia or industry. 2-0222

Ph.D., 1982; Biochemistry, immunology; Haemostasis & thrombosis; tissue culture, blood cell, endothelial cell & matrix interactions, SDS-PAGE, Western blot, ELISA, MBA production & characterization, protein and lipid characterization; Avail. September 1990; Academia/industry. 2-0223

Ph.D., 1990 (expected); Non-ruminant nutrition; Anaerobic/aerobic microbiology, gas-chromatograph, spectrophotometer assays, ELISA; diet formulation, minor animal surgery and some DNA isolation; Avail. July 1990; Postdoc. academia/industry; Salary negot. 5-0225

Ph.D., 1990 (expected); Toxicology/pharmacology; Assessment of mutagenic property of PAH, perfusion techniques utilizing isolated perfused rat livers and hepatocytes, RNA and DNA extractions, cell and tissue cultures, kinetics and stop-time enzymatic assays; Avail. September 1990; Research/regulatory/administrative/management; Salary negot. 3-0226

Ph.D., 1990 (expected); Pharmacology; Platelet aggregation, coagulation test, intracellular ionized calcium measurement, RIA, receptor binding, gel electrophoresis, drug evaluations, animal surgery; resident in surgery for 3 years, Chinese herbal medicines; Avail. September 1990; Postdoc. in academia/industry; Salary negot. 3-0228

Ph.D., 1986; Physiology, pharmacology; Cell culture, DNA alkaline elution assay, radiometric assay, choline, acetylcholine, choline acetyltransferase, acetylcholinesterase, Lowry and Bradford procedures, subcellular fractionation preparation of nervous tissue; Avail. June 1990; Assistant professor in academia/industry. 1-0229

Ph.D., 1986; Biochemistry; Extensive experience in liposome technology, synthesis, isolation & analysis of lipid and peptide derivatives (TLC, FPLC, HPLC, PAGE, ESR, NMR, MS, UV, IR), cell culture, fractionation, enzymology, fluorescence microscopy; Avail. July 1990; R&D position in industry. 2-0230

Ph.D., 1979; Food science, nutrition; Mineral metabolism/bioavailability in vivo/in vitro using stable/radioisotopes, atomic absorption, chromatography; Avail. July 1990; Research/teaching/industry; Salary negot. 5-0232

Ph.D., 1990 (expected); Immunology, microbiology; Tissue culture, in vitro cytotoxicity assays, cell separation, ELISA techniques, lymphocyte cloning, RNA extraction and dot blotting; Avail. January 1991; Postdoc. in academia/industry; Salary negot. 6-0234

M.S., 1989; Immunology, cellular biology, microbiology; In vitro bioassays, tissue culture, immunofluorescence, immunoperoxidase assays, histology, microscopy, photomicrography, animal dissection, injection, bacterial culture, serological assays; Avail. January 1990; Research/teaching; Salary negot. 8-0235

Ph.D., 1988; Physiology, pharmacology, nephrology; Micro puncture, conscious rat, renal transplant, RIA, cell culture, glomerular isolation, IBM or Macintosh; Avail. April 1991; Research/teaching in academia/industry; Salary negot. 1-0236

Ph.D., 1980; Cardiovascular cell physiology, molecular pharmacology; Alzheimer's disease, drug-membrane receptor interactions, signal transduction, ion transport in membranes (especially calcium), subcellular fractionation and membrane purification, radioisotopes; Avail. March 1990; Academia/industry; Salary negot. 1-0239

Ph.D., 1990 (expected); Respiratory physiology, exercise physiology; Experience in pulmonary function testing including mass-spectrometry, respiratory, inductive plethysmography, cardiopulmonary exercise testing and computer data acquisition systems; Avail. July 1990; Postdoc. position in academia or industry; Salary negot. 1-0240
Ph.D., 1980; Environmental physiology, perinatal biology; Development of thermoregulatory ability, calorimetry, body temperature measurement, in vivo assay of drug action, autonomic mechanisms, models of chronic and acute stress, NIH funded; Avail. April 1990; Research/teaching position in academia; Salary negot. 1-0242

Ph.D., 1990 (expected); Physiology/pharmacology of blood vessel walls; In vitro and in vivo cell isolation and culture, RIA, HPLC, PAGE, animal surgery, EM, special interest in PG's and EDRF and cyclic nucleotides; Avail. June 1990; Postdoc. in academia/industry; Salary negot. 1-0243

Ph.D., 1987; M.D., 1982; Physiology, neural control of circulation; Three years of postdoc. experience with isolating carotid sinus preparation, sympathetic nerve recording in conscious animals, single fiber recording, diameter, blood flow and cardiac output measurement, chest surgery; Avail. July 1990; Research; Salary negot. 1-0244

Ph.D., 1990 (expected); Protein and peptide purification; Chemical modification of proteins, amino acid composition and sequence analysis of proteins/peptides, animal and bacterial cell culture, virus purification/ viral protein characterization; Avail. September 1990; Postdoc. in academia/industry; Salary negot. 2-0245

Ph.D., 1986; Molecular biology, biochemistry, retrovirology; Genomic and cDNA library construction and screening, cloning, sequencing, DNA transfection, site directed mutagenesis, DNase I footprinting, RNase protection, prokaryotic and eukaryotic expression systems, SDS-PAGE, RIA; Avail. September 1990; Research/teaching; Salary negot. 2-0246

Ph.D., 1986; Neurochemistry, neurobiology; Enzyme isolation, purification, characterization, chromatography, gel permeation, HPLC, GC, spectrophotometry, radiometry, fluorometry, enzyme, protein, immunoreactivity, molecular biology, DNA isolation, separation, Southern blot, recombinant techniques; Avail. March 1990; Research. 2-0248

Ph.D., 1990 (expected); Pharmacology, cell biology, endocrinology; Tissue culture, radioimmunoassay, ELISA, immunofluorescence microscopy/photography, molecular biology, cytoplasmic Ca²⁺ measurements, thymidine uptake, chromatography (HPLC, TLC); Avail. February 1991; Postdoc. in academia/industry/government. 3-0249

Ph.D., 1990 (expected); Nutrition, molecular endocrinology, molecular biology; Pancreas perfusion, islet isolation, tissue culture, cloning, Northern, Southern, Western blotting, DNA/RNA hybridization, small animal handling and surgery, histology; Avail. June 1990; Research/teaching; Salary negot. 5-0250

Ph.D., 1990 (expected); Cellular immunology; Hematopoietic stem cell purification, cell sorting/flow cytometry, biosensor in cellular immunology, tissue culture, microbiology, cell biology, serology, autoantibody titres by ELISA (anti-DNA); Avail. September 1990; Postdoc. in academia/industry; Salary negot. 6-0252

M.S., 1990 (expected); Immunology, cell biology; FACS, tissue culture, hybridoma and MAB production/purification, in vitro bioassays, electrophoresis; Avail. June 1990; Salary negot. 8-0253

Ph.D., 1985; Physiology, neuropharmacology, cardiovascular development; Infant animal vessel catheterization, dopamine receptor binding, HPLC analysis of catecholamines, infant and adult behavioral assessment; Avail. July 1990; Academic position. 1-0254

Ph.D., 1984; Biochemistry, physiology; Lipid and protein chemistry, signal transduction pathways, insulin action, cell culture, HPLC, mass spectrometry, gel electrophoresis, Western blotting, undergraduate and graduate teaching experience; Avail. July 1990; Teaching/research; Salary negot. 2-0256

Ph.D., 1986; Biochemistry, microbiology; Protein and peptide chemistry, enzyme purification, HPLC, FPLC, gel electrophoresis, Western blotting, large and small scale bacterial growth, microbial genetics; Avail. October 1990; Washington, DC area; Industry/academia; Salary negot. 2-0257

Ph.D., 1983; Cellular immunology; Lymphocyte differentiation & activation, T cell immune responses in health & disease, autoimmunity, transplantation & cancer using mouse & human experimental models, assays for cellular & humoral immunity, cell & tissue culture, in vitro immunization; Avail. March 1990. 6-0258

Ph.D., 1984; Pharmacology, pharmacodynamics and pharmacokinetics; RIA and RRA, systemic, biochemical and clinical pharmacology, neuropharmacology, cardiovascular and smooth muscle pharmacology, bioavailability, analgesic testing, thermoregulation, more than 60 publications; Preclinical/clinical research in industry. 3-0259

Ph.D., 1989; Neurobiology, physiology; Serotonergic neuron function, glucocorticoids, neuronal control of cerebral circulation, intracranial microdialysis using HPLC, CBF, local cerebral glucose utilization, microvascular morphometry; Avail. July 1990; Research; New Jersey-New York. 1-0260

Ph.D., 1982; Biochemistry, cell biology; HPLC of carbohydrate, oligosaccharides and glycopeptides, GC-MS (EI and CI) of carbohydrate derivatives, GC of sugars, chromatography techniques, gel electrophoresis, radioisotopic tracing methods; Avail. July 1990; Academia/industry; Salary negot. 2-0263

M.D., 1983; Ph.D., 1990 (expected); Internal medicine, immunology; Clinical background, tissue culture, MAB production, chromatography, in vitro bioassay, RIA, ELISA, immunofluorescence, gel electrophoresis, vaccine development; Avail. September 1990; Research in academia/industry; Salary negot. 6-0264

Ph.D., 1990 (expected); Biological chemistry, protein chemistry; Gel electrophoresis, HPLC & gravity chromatography, protein purification & characterization, in vitro translation and enzymatic assays, constructing oligonucleotides, cloning; Avail. September 1990; Postdoc. in academia/industry. 2-0265

Ph.D., 1988; Pulmonary/exercise physiology; Gas exchange, V̇A/Q distribution using multiple inert gas elimination technique, cardiac output, spirometry, oximetry, bag-in-box systems, pressure breathing effects on breathing mechanics, PC data acquisition & analysis; Avail. August 1990; Research academia/industry; Salary negot. 1-0266

Ph.D., 1990 (expected); Gastrointestinal physiology; In vivo gastric analysis in conscious primates, RIA, HPLC, ELISA, surgery (large animal & sterile), histochemical staining, microscopy/photography, primary cell culture; Avail. December 1990; Research/teaching postdoc.; Salary negot. 1-0267

Ph.D., 1988; Nutrition, monogastric and ruminant, gut and liver metabolism; Surgical techniques including chronic vascular cannulations in swine and ruminants, use of ultrasonic blood flow probes, isotopes & in vitro metabolic studies, lymphocyte isolation/culture; Avail. October 1990; Research/teaching. 3-0268

M.S., 1989; Molecular biology, biochemistry; Recombinant DNA techniques, cloning and transformation procedures, DNA and protein purification, gel electrophoresis, enzyme assays, chromatography, gradient centrifugation; Avail. May 1990; Research/teaching; Salary negot. 8-0269

Ph.D., 1990 (expected); Endocrinology; Neuropeptides, gut peptides, opioids, steroids, P-450, HPLC, RIA, dual-beam spectrometry, gel electrophoresis, cell cultivation, prefer drug action, opioid function or pain regulation study; Avail. December 1990; Postdoc. in government/industry/academia; Salary negot. 1-0270

Ph.D., 1978; Immunology, microbiology, immunodiagnoses, tumor immunoregulation; Two postdocs, 7 years industry with management experience, novel assays for infectious diseases, drugs, idiootypes, tumors, MAB induction, selection, conjugation, scale-up; Avail. June 1990; West or Midwest preferred; Industry/teaching; Salary negot. 6-0271

Ph.D., 1986; Immunology, cell biology, molecular biology; Tissue culture, in vitro bioassays, HPLC, PAGE, immunoprecipitation, Western blot, RIA, ELISA, immunofluorescence & FACS analysis, DNA cloning, Northern & Southern blot, hybridoma culture & antibody purification; Avail. April 1990; Research in industry/academia. 6-0272

Ph.D., 1984; Cellular immunology; Murine models of immune deficiency and autoimmunity, T cell function and lymphokine assays, FACS, MAB production, marrow engraftment assays, enzyme and immunocytochemistry; Avail. July 1990; Tenure-track position in research/teaching; Salary negot.; Washington, DC area. 6-0273
PLACEMENT SERVICE

The Federation operates a Placement Service, year-round and at annual meetings. It matches candidates seeking postdoctoral training and permanent positions with recruiting employers from academia, government, industry and elsewhere. Most candidates are at the doctoral level and in disciplines represented by member societies; individuals holding degrees below the doctorate are not excluded. When corporate member society(ies) conduct(s) annual meeting(s) separately from the FASEB Annual Meeting, the Placement Service also operates at the separate meeting(s). Candidates and employers participating in Placement Service activities at any annual meeting must register for attendance at that meeting. Features of the Placement Service:

CANDIDATES

Registration is in effect for one year from receipt of completed registration materials and $10 registration fee. During that year, the candidate is entitled to:

- Inclusion of application, if received by mid-January, in annual Candidates, published in February and distributed to several hundred registered employers
- Publication of Position Desired advertisement in one issue of The FASEB Journal (resulting in referral of about 2000 applications each year)
- Use of interviewing facilities at annual meeting, including interview scheduling services (about 5000 interviews scheduled per year), review of position vacancy descriptions (about 850 per year) and distribution of application to each participating employer.
- Availability of application for review by employers visiting the FASEB campus and by FASEB staff members conducting searches on behalf of employers (resulting in referral of about 1800 applications per year)

EMPLOYERS

Registration is on a calendar year basis. Fee for 1990 is $500 for commercial organizations, $250 for academic and other nonprofit institutions, with a minimal additional fee for more than two interviewers at annual meetings to the limit of five per employer registration. During the year of registration, the employer is entitled to:

- Receipt of one copy of annual Candidates, published in February (includes about 400 applications)
- *Posting of position vacancy descriptions in Placement Service area at annual meeting
- *Receipt of copy of application of each candidate attending annual meeting
- *Use of interviewing facilities at annual meeting, including interview scheduling services (about 5000 interviews scheduled per year)
- *When member society(ies) conduct(s) separate annual meeting(s) during a calendar year, a surcharge of $100 for commercial organizations, $50 for academic and other nonprofit institutions, is levied to receive these services at such meeting(s)

Following services, of principal use to employers not registered and who are charged a modest fee are also provided at no charge to registered employers:

- Receipt, upon request, of applications from candidates who insert Position Desired advertisements in The FASEB Journal
- Receipt of applications from candidates identified by search of active files, conducted by Placement Service staff based on description of desired qualifications as provided by employers

GENERAL

Advance registration until 16 days before the Sunday on which the annual meeting is encouraged; at-meeting registration is available.

For application forms and instructions and other details, please write or call: FASEB Placement Service, 9650 Rockville Pike, Bethesda, MD 20814 (301) 530-7020

PLACEMENT SERVICE SCHEDULE – 1990

FASEB

Hall D, Washington, DC Convention Center

REGISTRATION

Sun, April 1 2:00 pm-8:00 pm
Mon, April 2 7:30 am-4:30 pm
Tues, April 3 8:00 am-4:30 pm
Wed, April 4 8:00 am-1:00 pm
INTERVIEW SCHEDULING

Mon–Wed, April 2–4 8:30 am-4:30 pm
INTERVIEWS

Mon, Apr 2 1:00 pm-4:30 pm
Tues–Wed, April 3–4 9:00 am-4:30 pm
Thurs, April 5 9:00 am-1:00 pm

ASBMB/AAI

Hall C, New Orleans Convention Center

REGISTRATION

Sun, June 3 1:00 pm-8:00 pm
Mon, June 4 7:30 am-4:30 pm
Tues, June 5 8:00 am-4:30 pm
Wed, June 6 8:30 am-1:00 pm
INTERVIEW SCHEDULING

Mon–Wed, June 4–6 8:30 am-4:30 pm
INTERVIEWS

Mon, June 4 1:00 pm-4:30 pm
Tues-Wed, June 5-6 9:00 am-4:30 pm
Thurs, June 7 9:00 am-1:00 pm
Membership in the Federation of American Societies for Experimental Biology and in Its Constituent Societies

Membership in the Federation is limited to societies; there is no individual membership. Any society in the field of biological science may apply for membership, either corporate or affiliate, and may be admitted by a three-fourths majority vote of all members of the Federation Board. The societies listed below presently constitute the Federation.

Since requirements and procedures for election to membership in the member societies vary, the following information is provided:

Corporate Members

The American Physiological Society. Any resident of the Americas who conducts and has published meritorious original research in physiology shall be eligible for proposal for Regular membership. Residents of The Americas who are engaged in research in physiology or related fields and/or teaching physiology shall be eligible for proposal for Associate membership. Residents outside of The Americas who conduct and have published meritorious original research in physiology shall be eligible for proposal for Corresponding membership. Individuals must apply in writing on forms provided by the Society. Two Regular members must sponsor a candidate for membership. Emeritus members also can be sponsors of new members. A Corresponding or Honorary member of the Society may substitute for a Regular member in sponsoring a candidate for Corresponding membership. Council nomi nates candidates who stand for election by the vote of Regular members at business meetings of the Society. Other classes of membership include Honorary, Emeritus, Associate, Associate Corresponding, Student, and Sustaining Associate. Further information and nomination forms are printed in The Physiologist and are available from the APS Membership Services Department, 9650 Rockville Pike, Bethesda, MD 20814.

American Society for Biochemistry and Molecular Biology. Investigators residing in the Americas who have demonstrated the ability to conduct meritorious original research in biochemistry or molecular biology are eligible for Regular membership. Such individuals must be nominated by two Regular members of the Society and, if favorably recommended to the Council by the Membership Committee, will be elected at any regular meeting of the Society. Individuals not yet fulfilling the requirements for Regular membership may be nominated by two Regular members for Associate membership. Nominees for Associate membership become members immediately on nomination. Eminent biochemists residing in countries other than the Americas may be nominated for Honorary membership. Individuals not otherwise eligible for any type of membership, but who have made significant contributions through service to biochemistry or molecular biology are eligible for designation as a Distinguished Service Associate. Nomination forms and specific nomination criteria may be obtained from ASBMB Membership Secretary, 9650 Rockville Pike, Bethesda, MD 20814.

American Society for Pharmacology and Experimental Therapeutics. Any qualified investigator who has conducted and published a meritorious original investigation in pharmacology and is a legal resident of the United States, its dependencies, Canada, or Mexico shall be eligible for Regular membership in the Society. Nominees for membership shall be proposed by two members of the Society who are not members of the Council or of the Membership Committee at the time of the initial nomination. Other classes of membership include Affiliate and Student/Fellow, which are for pharmacologists who are either residents of a country other than the USA, Canada or Mexico, are not now active in research, or who are advanced students or are fewer than 5 years past their doctoral degree. Nomination forms are printed in The Pharmacologist and are available from Mrs. Kay A. Croker, Executive Officer, 9650 Rockville Pike, Bethesda, MD 20814.

American Association of Pathologists. Successful candidates for membership in the AAP are independent investigators with solid scientific qualifications, commitment and continuing productivity in experimental pathology or related disciplines. Not all members are pathologists, but are investigators with a strong interest in the pathogenesis and diagnosis of disease. Candidates are nominated by at least two members of the Association for approval by the Council and a majority of members attending the annual AAP Business Meeting. Nominations for Trainee membership (residents or fellows) are accepted from AAP members who can certify the training status of the nominee. Additional information and application forms may be obtained from Dr. Frances A. Pitlick, Executive Officer, 9650 Rockville Pike, Bethesda, MD 20814.

American Institute of Nutrition. Any person who has conducted and published meritorious original investigations in some phase of nutrition and who is professionally active in the field of nutrition shall be eligible for Active membership. Persons rendering superior service to nutrition through teaching, administration, or technical service may also be deemed eligible. Nominees shall be sponsored by two members of the Institute. Nominations should be received by February 1, and those nominations approved by Council will be presented for election at the annual business meeting. Other classes of individual membership include Associate, Emeritus, and Student. Membership in the American Society for Clinical Nutrition, the Clinical Division of the AIN, is based on professional activities in the area of clinical nutrition. All nominees for ASCN membership must be members of AIN or be considered for election simultaneously. AIN/ASCN nomination forms are available from the AIN Secretariat, 9650 Rockville Pike, Bethesda, MD 20814.

The American Association of Immunologists. Investigators qualified by virtue of a doctorate degree or equivalent experience and training who have conducted and published meritorious original investigations in immunology or related disciplines are eligible for membership. Candidates must be nominated by two members of the Association. The recommendations of a membership committee are submitted for election by the membership at the annual spring meeting. For application forms write to Dr. Joseph F. Saunders, Executive Director, 9650 Rockville Pike, Bethesda, MD 20814.

Affiliate Member

The American Society for Cell Biology. To be considered for Regular membership, an applicant must hold the Ph.D. or equivalent degree or have equivalent experience, and be sponsored by two Regular or Emeritus members. Other classes of membership are Emeritus and Student. Further information and forms may be obtained from Ms. Dorothea C. Wilson, Executive Officer, 9650 Rockville Pike, Bethesda, MD 20814.

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**NEURAL MECHANISMS IN CARDIOVASCULAR REGULATION**

**June 10-15**

Chairs: Vernon Bishop, University of Texas HSC/San Antonio; Donald Reis, Cornell University Medical College.


**RETINOIDS**

**June 17-22**

Chairs: Luigi De Luca, NIH/NCI; Peter Davies, University of Texas Medical School.


**RECEPTORS**

**June 24-29**

Chairs: Marc Caron, Duke University Medical Center; C. Ronald Kahn, Harvard University.

- *Synthesis and Assembly.* R. Klausner, J. Merlie, A. Helenius;

**MOLECULAR ASPECTS OF METASTASIS**

**July 1-6**

Chairs: George R. Martin, NIA/NIH; Leo Furutch, University of Minnesota.


**AUTOIMMUNITY**

**July 8-13**

Chairs: Lawrence Steinman, Stanford University Medical Center; Malcolm Gifter, MIT. *T Cell Activation.*


**VIRAL ASSEMBLY**

**July 15-20**


**SYNTHESIS AND FUNCTION OF VITAMIN K-DEPENDENT PROTEINS**

**July 22-27**

Chairs: J.W. Suttie, University of Wisconsin, Madison; George Long, University of Vermont.


**FOLIC ACID, VITAMIN B-12 AND ONE CARBON METABOLISM**

**July 29-August 3**

Chairs: Victor Herbert, Mt. Sinai School of Medicine; Rowena Matthews, University of Michigan.


**CHROMOSOME REPLICATION AND SEGREGATION IN YEAST**

**August 5-10**

REGULATION OF GENE EXPRESSION IN HIGHER ANIMALS

STRUCTURE AND FUNCTION OF CELL MEMBRANES

HEPATIC REGENERATION AND CARCINOGENESIS: MOLECULAR AND CELLULAR PATHWAYS

PROTEIN PHOSPHATASES

CELLULAR AND MOLECULAR GENETICS

RESEARCH CONFERENCES

Copper Mountain, Colorado

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NOMINATIONS INVITED FOR
SIXTEENTH ANNUAL
"3M LIFE SCIENCES AWARD"

The Federation of American Societies for Experimental Biology is pleased to announce that the sixteenth annual "3M Life Sciences Award," administered by the Federation, will be presented at the 1991 FASEB Annual Meeting in Atlanta, GA. The award, sponsored and supported by 3M, provides a sum of $25,000 to the awardee.

CRITERIA FOR ELIGIBILITY

The nominee must have contributed to the welfare of mankind by conducting research in the broad area of the life sciences that has led to a significant increase in scientific knowledge. The criterion will be excellence.

NOMINATIONS

1. Nominations may be made only by members of the FASEB Societies and must be endorsed by at least one additional member, preferably from a different Society. Letters of appraisal from Society members in other than the candidate's own institution are particularly appropriate.

2. Nominations must be made in the form of a letter, original and seven (7) copies, setting forth in detail the significance of the work upon which the nomination is based. Eight (8) copies of the curriculum vitae and brief selected bibliography of the nominee, as well as eight (8) copies of no more than five (5) reprints, must accompany the nomination.

SELECTION OF Awardee

An Award Committee comprised of one member from each constituent Society of the Federation will receive and review all nominations and select the awardee. The awardee must agree to present a 3M Award Lecture at the FASEB Annual Meeting.

DEADLINE FOR RECEIPT OF NOMINATIONS

The deadline for receipt of nominations and supporting letters is October 15, 1990. This deadline must be strictly observed. Nominations should be sent to:

Mrs. Margaret Averi
3M Life Sciences Award Committee
Federation of American Societies for Experimental Biology
9650 Rockville Pike
Bethesda, Maryland 20814
Telephone: (301) 530-7092
The Editorial Board welcomes proposals for state-of-the-art reviews on topics not currently being covered in the Journal.

Prospective authors should send a one-page summary of the proposed review, not a completed review, to the Editor-in-Chief, Dr. W. J. Whelan, The FASEB Journal, P.O. Box 016129, Miami, FL 33101-6129, USA.

The proposal should be accompanied by a list of 8–10 literature citations, including the title of the article, that would be included in the review. These citations should be drawn from the recent relevant work of the author(s) and of others.

Such proposals are circulated to a group of expert editors and referees for an evaluation, and a decision to accept is based on their recommendations. Reviews are published some 4–5 months from receipt and proposals for cover illustrations are welcomed.
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