SCIENCE publishes each Friday, except the last Friday of the year, and is mailed on issue date. Personnel advertising is accepted only with the understanding that the advertiser is prepared to fill the position on the basis of race, sex, religion, age, color, national origin, or handicap status. SCIENCE reserves the right, in its discretion, to decline to publish advertisements.

LINE CLASSIFIED ADVERTISEMENTS

DEADLINE: Thursday, 10 a.m., 2 weeks prior to issue date. Advertising is accepted only in writing.

POLICIES: All classified ads will be edited and typeset according to SCIENCE style guidelines. NO ABBREVIATIONS. Any deadline for applications stated in ad must be at least 2 weeks after date of issue in which ad appears.

CLASSIFICATION: SCIENCE publishes classified ads under the following headings: Positions Open, Employment Agencies, Fellowships, Situations WANTED, Courses and Training, Meetings, Announcements, and Marketplace. Advertisers should specify classification desired; however, SCIENCE reserves the right to decline classified ads which it believes may be misleading to readers.

RATE: $41 per line, $410 minimum, per week. One line equals 52 characters and spaces. Headings equal 32 characters and spaces per line. No charge for use of box number. No agency commission for ads under 40 lines. To ESTIMATE ad cost, structure ad copy by paragraphs and type headings in 2 in. and body copy in 12 pt. letterhead in 20 characters and spaces per line. The line of heading, one line of white space between heading and body of ad, and one line of white space between body lines of ad is counted as 40 lines. Multiple copy rate per number of lines ordered. All paragraphs equal 40 lines; minimum line ordered is 20 characters and spaces. This is an approximate cost only. Allow for variation between estimated lines and actual lines submitted and resulting final cost. Purchase orders must allow for same flexibility. No credit will be given for overage. SCIENCE cannot provide proofs of typeset ads.

PREPAYMENT DISCOUNT: A 3% cash discount is granted on all prepaid ads. Payment in U.S. dollars by checks drawn on U.S. banks is required for all foreign ads.

BOXES AND LOGOS: Any column line classified ad can be boxed and/or published with logo. No extra production charge for use of box or logo. For boxed ads, one line equals 48 characters and spaces; two additional lines will be added to cost of ad to allow for top and bottom borders. Rates are calculated according to number of lines needed to accommodate logo.

SITUATIONS WANTED ADS: As a service to AAAS members applying for positions, SCIENCE offers free place ment of Situations Wanted ads for individuals seeking full-time or part-time employment. Ads consisting of one word or less, not including address or box number, and are lines, will be accepted for publication in the Situations WANTED section. Submit your ad by 10 a.m., the issue date you desire. Please enclose SCIENCE mailing label including AAAS membership number with your Situations WANTED ad.

CANCELLATIONS: Deadline for cancellations is 10 a.m. Tuesday, 10 days prior to issue date. Address ad copy or requests for information to:

SCIENCE Classified Advertising
1333 H Street, NW, Room 940
Washington, DC 20005
Telephone: 202-528-6585
FAX: 202-682-0816

MARKETPLACE AND DISPLAY PERSONNEL

For rates, deadlines, and information about fractional display ads (1/8 page and larger) and all Marketplace listings and classifieds, contact:

Schroegos Associates, Inc.
1515 Broadway
New York, NY 10036
Telephone: 212-720-1060
FAX: 212-362-3725

RESPONSES TO EMPLOYMENT ADS

Applicants should read Positions Open ads carefully in order to submit responses to the advertiser. Advertisers will be notified when responses are received and should especially check for any stated deadline for receipt of responses. SCIENCE encourages applicants for positions to investigate employment laws, non- discrimination policies, work requirements, and cultural differences in the country advertising for employees.

To reply to a box ad, address correspondence to:

Box (give number)
SCIENCE Classified Advertising
1333 H Street, NW, Room 940
Washington, DC 20005

JUNE 1990

PERSONNEL PLACEMENT 1145

POSITIONS OPEN

ANATOMIST

ASSISTANT AND ASSOCIATE PROFESSOR positions available 1 September 1990 in the Anatomy Department at the Los Angeles College of Chiropractic (LACCC). Application deadline is 15 March 1990. Ph.D. or M.D. or equivalent and a strong interest and 2 to 5 years of experience in teaching gross anatomy with dissection and certain electives in embryology or histology are required. Salary: $40,000 per year. Send curriculum vitae and letters of recommendation to:

Personnel Office
16200 East Amber Valley Drive
Whittier, CA 90609

FRED HUTCHINSON CANCER RESEARCH CENTER

ASSISTANT MEMBER position, Division of Clinical Research, Department of Transplantation Biology.

Background required: Board-eligible or Board-certified in medical specialties of oncology and hematology with 2 to 4 years of clinical experience emphasizing marrow transplantation beyond formal training; molecular biology training either as doctoral or postdoctoral fellow with demonstrated experience in the area of gene cloning and expression; knowledge of biochemical growth factors; the potential to become an independent investigator.

Expectations: To establish laboratory-based research programs which will include the search for experimental databases; must contribute to general clinical marrow transplantation program in patient care and teaching at the attending physician level.

Please respond with curriculum vitae and letters of interest. Contact: Dr. E.R. Tullius, Ph.D., F.A.C.S., M.D., Fred Hutchinson Cancer Research Center, 1104 Denny Way, Seattle, WA 98109. Fax: 206-836-6486. Applicants should forward CVs to: Dr. E.R. Tullius, Ph.D., F.A.C.S., M.D., Fred Hutchinson Cancer Research Center, 1104 Denny Way, Seattle, WA 98109. cruisitive, research plans, and list of five references to: C. H. Baker, Ph.D., Department of Physiology and Biophysics, School of Medicine, University of Oregon Health Sciences Center, Portland, OR 97223.

ASSISTANT PROFESSOR OF BIOLOGY AND BIOPHYSICS (Ph.D. and/or M.D.) Research areas: membrane biophysics including receptor mechanisms. Physiologist able to teach areas other than research interest; e.g., gastrointestinal to medical, nursing, and graduate students. Minimum of 2 years of postdoctoral research experience required and ability to develop extramurally supported research. Application deadline: 26 July 1990. Send curriculum vitae, research plans, and list of five references to: Dr. M.D., Fred Hutchinson Cancer Research Center, 1104 Denny Way, Seattle, WA 98109. Fax: 206-836-6486. Applicants should forward CVs to: Dr. E.R. Tullius, Ph.D., F.A.C.S., M.D., Fred Hutchinson Cancer Research Center, 1104 Denny Way, Seattle, WA 98109. cruisitive, research plans, and list of five references to: C. H. Baker, Ph.D., Department of Physiology and Biophysics, School of Medicine, University of Oregon Health Sciences Center, Portland, OR 97223.

ASSISTANT PROFESSOR OF PHYSIOLOGY AND BIOLOGY 1990 and previous years.

The University of Tennessee, Memphis, Department of Physiology and Biophysics, has three tenure-track positions at the rank of assistant professor or associate professor. Applicants should have a Ph.D. and/or M.D. degree, a good track record in publications, and postdoctoral research experience with a background in cellular and/or molecular biology. The ability to establish an independent research program in the areas of cardiovascular, gastrointestinal, developmental, endocrine, or epithelial physiology and to engage in teaching activities of the department is expected. Applicants should provide curriculum vitae, copies of three representative publications, and the names of three references to: Dr. Elinda R. Johnson, Professor and Chairman, Department of Physiology and Biophysics, 894 Union Avenue, Memphis, TN 38118. An Equal Opportunity/Title VI/N Section 504/Affirmative Action Employer. Minority and women are encouraged to apply.

SYSTEMATIC ENTOOMOLOGY

The Department of Entomology, University of Mis souri, invites applications for this 12-month ASSISTANT PROFESSOR, tenure-track position split between research on arthropod taxonomy and teaching in systematic entomology, insect morphology, and a seminar in higher/vascular systematics. Applicants will also be active participants in the Tulane University Center for Bioenvironmental Research and will be eligible for funding from that center's grant. A Ph.D. is required. Postdoctoral experience is highly desirable. Please send curriculum vitae, statement of research interests, and three letters of reference to: Dr. W. Charles Deitz, Department of Entomology, University of Missouri, Columbia, MO 65211. Telephone: 314-882-7181. The University of Missouri is an Affirmative Action/Equal Opportunity Employer.

The new Department of Cell and Molecular Biology, Tulane University, invites applications for two tenure track positions at the rank of ASSISTANT OR ASSOCIATE PROFESSOR. These positions will require research and teaching in the area of mammalian molecular biology, with emphasis on neural systems and/or development. Applicants will also be active participants in the Tulane University Center for Bioenvironmental Research and will be eligible for funding from that center's grant. A Ph.D. is required. Postdoctoral experience is highly desirable. Please send curriculum vitae, statement of research interests, and three letters of reference to: Dr. W. Charles Deitz, Department of Entomology, University of Missouri, Columbia, MO 65211. Telephone: 314-882-7181. The University of Missouri is an Affirmative Action/Equal Opportunity Employer, and applications from qualified women and minority group members are especially encouraged.
APPLIED VERTEBRATE ECOLOGY  TWO POSITIONS IN WILDLIFE

Utah State University is seeking applicants for two tenure-track positions: ASSISTANT OR ASSOCIATE PROFESSOR level in the Department of Fisheries and Wildlife, to staff a USDA-funded teaching research-extension program focused on wildlife, wildlife-plant interactions, and predator-prey systems. The candidate will also be involved in the field of EXPERIMENTAL PSYCHOPATHOLOGY. The successful candidate should have a Ph.D. degree in neuroscience, epidemiology, public health, or related fields and be expected to teach and advise at the undergraduate and graduate level. Applications, including a cover letter, curriculum vitae, and the names and addresses of four references, should be submitted to: Jerrold Kagan, Chairman, Department of Psychology, Harvard University, 38 Kirkland Street, Cambridge, MA 02138. The closing date for receipt of applications is 30 June 1990 or until the position is filled. Applications from women and minority candidates are especially welcome. Harvard University is an Equal Opportunity/ Affirmative Action Employer.

ASSOCIATE/ASSISTANT PROFESSOR

The Department of Molecular Biology and Biochemistry at Wesleyan University invites applications for a position at the associate (tenured) or assistant professor (tenure-track) level. We seek a person with demonstrated accomplishments in molecular biology who uses molecular genetic approaches to study fundamental problems. The candidate should be expected to develop a strong research program and to be involved in the departmental teaching effort. The position is available immediately. The person must have a Ph.D. and a strong publication record. Further information may be obtained from: Dr. Lewis Lukens at 303-547-9411, ext. 2309. Interviews are expected to begin before 30 June 1990. Wesleyan University is an Equal Opportunity/Affirmative Action Employer. We encourage applications from minority candidates and women.
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R.W. Johnson Pharmaceutical Research Institute (PRI) is the dynamic new R&D organization within Johnson & Johnson committed to drug discovery and development. We have the strength and backing to meet the challenges of today's competitive research environment, and establish PRI as one of the world's leading pharmaceutical R&D companies. You can be part of this exciting environment if you meet the requirements of one of the following openings at our campus-like facility located in an ideal rural setting near Princeton and convenient to both New York City and Philadelphia.

POSTDOCTORAL RESEARCH SCIENTIST
(MOLECULAR BIOLOGY)

This position requires a PhD in Molecular Biology, Microbiology, Biochemistry or related discipline and a strong background in protein structure/function relationships. Experience in receptor-ligand interactions and computer-based protein modeling and design are a plus. Working with our Protein Modeling Group, the selected candidate will investigate the structure/function relationships of hematopoietic growth factors and their receptors using recombinant DNA techniques, including restriction analysis, gene cloning, DNA hybridization, etc. (Dept. 20A)

POSTDOCTORAL RESEARCH SCIENTIST
(PROTEIN CHEMISTRY)

This position requires a PhD in Biochemistry or related discipline and experience with isolation, purification and characterization of proteins. You must be familiar with techniques such as HPLC, FPLC, peptide mapping, amino acid analysis and protein sequencing. Experience in carbohydrate structure determination is a plus. The selected candidate will be involved with structure/function relationship studies with hematopoietic growth factors. (Dept. 20B)

SENIOR IMMUNOLOGIST

The candidate we seek will have a PhD or equivalent in Immunology or related field and at least 6 years of experience in cellular and/or molecular immunology, to include autoimmune disease, transplantation immunobiology, characterization and analysis of cell surface receptors, and the generation of monoclonal antibodies. Advanced degree preferred. A proven record in conducting independent research in several aspects of immunoregulation, and the ability to set internal research directions and manage scientific collaborations with academia and other Company Divisions are all requisite. (Dept. 20C)

BIOCHEMIST

The successful candidate will have a PhD or equivalent in Biochemistry or related field and at least 2 years of experience in the isolation and characterization of proteins and antibodies. A proven track record is required in developing novel purification schemes for lymphokines and growth factors from biological fluids and cell culture supernatants, and protein characterization using electrophoresis, Western blot, etc. Experience in developing ELISA and RIA-based assays a plus. You must have excellent interpersonal skills to interact with outside collaborators and team members. (Dept. 20D)

IMMUNOLOGIST

This position requires a PhD or equivalent in Immunology or related field and 1-5 years of experience in molecular and/or cellular biology. Your experience should include the generation and analysis of monoclonal antibodies, the measurement of cellular activation and signal transduction following the binding of ligands or antibodies to receptors on cell surfaces. A strong background in flow cytometry is required. (Dept. 20E)

We offer competitive salaries and the comprehensive benefits you would expect from a Johnson & Johnson Company including our on-site LIVE FOR LIFE WELLNESS program designed to make you a healthier, happier, and safer person. Please forward resume, including salary history to: Mr. Thomas Hutton, (indicating Dept. # for position of your choice), R.W. Johnson Pharmaceutical Research Institute, P.O. Box 300, Raritan, New Jersey 08869-0602.

An Equal Opportunity Employer, M/F
POSITIONS OPEN

CHAIRMAN
DEPARTMENT OF PHYSIOLOGY

The Stritch School of Medicine of Loyola University Chicago invites applications and nominations for the position of Chairman of the Department. The successful candidate will be responsible for the planning and administration of the Department. Applicants should have a doctoral degree, Dr. Med. or M.D., with teaching, research, and service accomplishments commensurate with the rank of Professor. Applicants are expected to maintain an active research program in cardiovascular science with cellular and/or molecular dimensions, but all strong applications will be considered. A proven record of scholarly activity, experience in attracting external research support, a commitment to graduate education, and good managerial skills are prerequisites.

Applications or nominations should be received by 1 August 1990. Send curriculum vitae and the names of four references. They can be sent to:

John F. Moran, M.D.
Chairman, Search Committee
Loyola University Medical Center
Russo Room 1830
2160 South First Avenue
Maywood, IL 60153

BIOLOGISTS

MolecularBiologists

DNX is an established leader in the emerging field of transgenic sciences, developing enhanced biological models for viral disease and DNA mutagen testing. Career opportunities currently exist in our new Molecular Biology Center in Princeton, N.J.

Research Scientist: Positions are available for the Ph.D. level scientists, with at least 1-3 years post-doctoral training, to conduct independent research in one of several multidisciplinary groups. Experience in recombinant DNA techniques, gene expression, microinjection and/or virology is helpful.

Research Associate: Several openings exist for the BS or MS level scientist with 2-3 years laboratory experience using recombinant DNA technology.

DNX offers an excellent working environment and an ideal location (midway between New York and Philadelphia), as well as competitive compensation and a superior benefits package. Individuals interested in a challenging opportunity at an exciting and rapidly growing company are invited to submit a curriculum vitae or resume and the names of three references to Employment Manager, DNX, 303 College Road East, Princeton, N.J. 08540

BIOANALYTICAL CHEMIST

The Research Triangle Institute’s Center for Bioorganic Chemistry has an opening in its bioanalytical staff for a qualified individual with training in chromatographic sciences.

The successful candidate will be part of interdisciplinary teams to accomplish diverse research goals. He/she will participate both in existing programs and in the development of new or expanded research areas. Principal responsibilities will be development of analyses for drugs, environmental chemicals, peptides and proteins in biological matrices by capillary GC, HPLC and/or electrophoresis.

Applicants should have a Ph.D. in analytical chemistry and experience in development of high performance chromatographic assays of trace components in complex mixtures. Postdoctoral experience is desirable. Applicants with a Ph.D. in a closely related area, and considerable documentation of experience and training in chromatographic analyses will also be considered.

RTI is a well-established not-for-profit research organization with a staff of approximately 1,500. We are located in the Raleigh/Durham/Chapel Hill area of North Carolina, which is a center of pharmaceutical, environmental and other scientific research. We offer a competitive salary and a comprehensive employee benefits package.

Interested applicants should send their curriculum vitae and letter of interest to:

Research Triangle Institute
Office of Human Resources (BOC-A)
P. O. Box 12194
Research Triangle Park, NC 27709

An Equal Opportunity/Affirmative Action Employer
Dean—School of Veterinary Medicine  
University of California, Davis

The University of California, Davis invites applications and nominations for the position of Dean of the School of Veterinary Medicine and Director of the Division of Agriculture and Natural Resources Programs (Veterinary Medicine).

The Dean is the chief academic and administrative officer of the School responsible for leadership of the School in the areas of teaching, research, and professional service; developing and managing resources; representing the School to Campus and University Administration; and interacting with the veterinary community and governmental leaders at local, state, and national levels.

Qualifications include a D.V.M. or equivalent degree, a distinguished record of teaching and research, and demonstrated leadership and administrative abilities. We seek candidates who have a deep commitment to academic excellence and to affirmative action; who understand the challenges posed by changes in the national veterinary environment; and who will be able to lead the School in its continuing development and in fulfilling its mission as part of a major land-grant University.

Salary will be commensurate with experience and qualifications. The starting date will be 1 July 1991, or as negotiated.

Nominations and applications are desired by 1 September 1990 and should be sent to Chancellor Theodore L. Hullar, Office of the Chancellor, University of California, Davis, CA 95616-8558. The position will remain open until filled.

An Equal Opportunity—Affirmative Action Employer

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Health Scientist Administrator in Endocrinology

The National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) seeks an endocrinologist (Ph.D., M.D., or equivalent) with a track record of research accomplishment and excellent interpersonal and written communication skills to serve as Health Scientist Administrator (GS-12-13 or -14) for its Hormone Distribution Program and a component of its Endocrinology Research Program. The position involves administration of grants and contracts, program planning and development, close interaction with leading endocrine researchers, and the opportunity to organize and/or attend scientific meetings. The position is available July 1990 at a salary range of $35,825 to $65,444 per annum. Please submit an Application for Federal Employment (SF-171) and/or CV and bibliography by June 30, 1990 to:

Judith E. Fradkin, M.D., Chief Endocrinology and Metabolic Diseases Programs Branch National Institute of Diabetes & Digestive & Kidney Diseases National Institutes of Health Westwood Building, Room 603 5333 Westbard Avenue Bethesda, Maryland 20892

U.S. Citizenship Required/ NIH is an Equal Opportunity Employer

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ABBOTT LABORATORIES

Abbott Biotech is a subsidiary of Abbott Laboratories, a Fortune 100 corporation devoted to the discovery, development, manufacture, sale and distribution of diverse health care products. Currently we have the following opportunities available:

HEAD OF PROTEIN CHEMISTRY

The selected individual will direct a group of protein chemists in collaboration with Molecular Biology, Cell Biology, and Immunology groups in the development of assays, purification, and characterization of genetically engineered proteins. A Ph.D. is required, along with at least 4 years experience. The candidate must have basic protein chemistry skills, experience with protein sequencing, peptide mapping, and amino acid analysis. Knowledge of immunochemistry, receptor biochemistry and plasminogen activators is preferred. Purification from prokaryotic expression systems as well as mammalian cell culture is desired.

POSTDOCTORAL POSITION

MOLECULAR IMMUNOLOGY/ANTIBODY ENGINEERING

The selected candidate will work in a collaborative program between Abbott Biotech and the Research Institute of Scripps Clinic on new tumor models for the development of immunotherapeutics. Research will involve the novel uses of genetically engineered antibodies for the therapy of metastatic melanoma in new animal model systems. We seek a highly motivated individual with a Ph.D. and experience in molecular biology and immunology. The position will be supported by a grant from the NCI and will be under the supervision of Dr. Stephen Gilles.

Abbott Biotech is located in an attractive suburban setting 15 miles west of Boston. We provide competitive compensation and benefits including a profit sharing and a stock retirement plan. For consideration, please send your curriculum vitae and three references to: Human Resources, Abbott Biotech Inc., 119 4th Avenue, Needham Heights, MA 02194. Abbott is an Affirmative Action Employer.

ABBOTT LABORATORIES

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POSITIONS OPEN

DIRECTOR. Use of Alternatives in Animal Research, Teaching, and Testing Program, University of California, Davis, Veterinary Medicine. Applications and nominations are invited for the directorship of the Use of Alternatives in Animal Research, Teaching, and Testing Program, centered on the Davis campus of the University of California. The director will lead the development of, and the management of the systemwide University of California Program on the Use of Alternatives in Animal Research, Teaching, and Testing. Applicants should have a background of successful administrative leadership and of achievement in scientific research in an appropriate field; a demonstrated interest and commitment to the goals and objectives of the Animal Alternatives Program; a working knowledge of information systems; an ability to deal effectively with diverse groups, including faculty, students, administrators, government, and the community; an ability and commitment to negotiate and secure funding for programmatic research and development; and a commitment to the affirmative action goals of the campus. Applicants should submit curriculum vitae with the names of three references to: Dean Edward A. Rhodes, Research Program, University of California, Davis, CA 95616. Applications will be accepted through 16 July 1990 or until a suitable candidate is identified. The University of California is an Equal Opportunity/Affirmative Action Employer.

ANTIBODY ENGINEERING SERVICE COORDINATOR

The University of California—Davis invites applications for a coordinator of the Antibody Engineering Service Facility, a new unit being established to serve a large program project grant. Qualifications include a Ph.D. in the field of immunology, biochemistry, or related area with experience in production of monoclonal and polyclonal antibodies and/or recombinant DNA technology, molecular biology, and development of immunossays for quantitative measurement of small organic molecules is highly desirable. Appointee should have a strong background in one or more of these areas, experience in collaborative research and service, and an ability to secure extramural funding for research. Major responsibilities for the coordinator include providing monoclonal, polyclonal, and/or recombinant antibodies for campus investigators; advising investigators regarding antibody synthesis and ways of improving sensitivity of antibody immunossays; and establishing protocols and maintaining quality control in the production of antibodies. Applicants should submit curriculum vitae, names of three references, and a statement of research goals for the position to: 2 July 1990: to Bruce Hammock, Chair, Antibody Engineering Service Facility Search Committee, Division of Biological Sciences, University of California, Davis, CA 95616. The University of California is an Equal Opportunity/Affirmative Action Employer.

FACULTY POSITION IN MOLECULAR GENETICS

ASSISTANT OR ASSOCIATE PROFESSOR, in the Department of Genetics, Harvard Medical School, to form and direct a new molecular genetics unit, situated in the Maiman Research Center (MRC) of McLean Hospital. The appointee will be expected to establish an independent research group in the molecular biology of vertebrate or invertebrate systems relevant to neuroscience and to have an interest in interacting with existing neuroscience and neurobiology programs at the center. The MRC is a 45,000-square-foot facility primarily devoted to clinical and basic research in the neurosciences with laboratories for neuroanatomy, neurophysiology, neurochemistry, molecular neurobiology, developmental neurobiology, neuropharmacology, neurogenetics, molecular pharmacology, and allied areas. The MRC is a unit of the federally funded clinical research center and a brain bank. Applicants should send their curriculum vitae, a statement of research interests, and the names, addresses, and telephone numbers of references by 1 August 1990 to: Bruce M. Cohen, M.D., Ph.D., Chairman, Molecular Genetics Search Committee, McLean Hospital, Maiman Research Center, 115 McLean Street, Lexington, MA 02421. McLean Hospital and Harvard Medical School are Equal Opportunity Employers, and we are especially eager to identify qualified women and minority candidates.

POSITIONS OPEN

NATIONAL INSTITUTE ON AGING (NIA) NATIONAL INSTITUTES OF HEALTH (NIH) RESEARCH PROGRAM DIRECTOR

NIA's Geriatrics Branch seeks two extramural program directors: one for musculoskeletal/physical rehabilitation research, one for cardiovascular research. Activities include planning and implementing research and training initiatives; preparing requests for applications, communicating research results and needs to DHHS and Congress, and administrative oversight of the programs. Doctorate is an equivalent of research experience required. Background in aging and familiarity with NIH desirable. Individuals may be hired through the civil service or Public Health Service Commissioned Corps, at salaries commensurate with qualifications and experience. Physicians may be eligible for bonus of up to $20,000. These are permanent positions, but shorter term appointments are possible. Send Dr. James H. Sadleir at 301-496-6761 about scientific and administrative aspects of these positions. To apply, submit curriculum vitae and three letters of support by 1 October 1990 to Dr. Charles W. Ferris, Office of Extramural Activities, NIH, 8600 Rockville Pike, Building 31, Room 2C11, Bethesda, MD 20892. Applications will be accepted through 16 July 1990 or until a suitable candidate is identified. The University of California is an Equal Opportunity/Affirmative Action Employer.

CONSERVATION SCIENTISTS

World Wildlife Fund (WWF), and The Conservation Foundation (CF), a leading international conservation organization with a world-wide program to protect wildlands and wildlife, is developing a new program in conservation science. WWF seeks three conservation scientists in the fields of botany/plant ecology, vertebrate ecology, and marine biology. Responsibilities include significant research and writing in conservation science, technical assistance to WWF regional and thematic programs, and collaboration with WWF communications and development efforts. Candidates must have a Ph.D., a strong field research and publication record, considerable tropical experience, excellent verbal and written English, and command of a foreign language (French or Spanish). Send cover letter, resume, brief statement of research goals, and names of three references to: Human Resources, Department 27F, World Wildlife Fund, 1250 24th Street, N.W., Washington, DC 20037. Salary and benefits appropriate to U.S. nonprofit sector. Positions available beginning 1 July 1990. Equal Opportunity/Employer.


FACULTY POSITIONS

DIVISION OF BASIC SCIENCES

FRED HUTCHINSON CANCER RESEARCH CENTER (FHRC)

The Division of Basic Sciences at the FHRC has faculty positions available (any rank). The division is a broadly based, highly interactive group of 29 faculty members engaged in cellular and molecular biology. Candidates will be selected primarily on the quality of their research, as opposed to specific topics, but the group is seeking to build strength in some specific areas of research including immunology, development, immunology, tumor biology, protein biochemistry, and prokaryotic molecular genetics. Candidates should send curriculum vitae, a statement of their research plans, and three letters of reference to: New Staff Committee, Fred Hutchinson Cancer Research Center, PO Box 19053, Seattle, WA 98108 on or before 1 July 1990.

FHRC is a smoke-free environment and an Equal Opportunity/Affirmative Action Employer.

BIOLGY INSTRUCTOR. Full time, starting 15 August 1990. Ph.D. preferred. Duties include lecturing in, and laboratory coaching of, introductory biology courses, including environmental biology and biology for physical sciences, and seeking instructional development funding. Submit by 7 July 1990: résumé, letter outlining career objectives, and three letters of recommendation to: Instructor Search Committee, University of Massachusetts, Amherst, MA 01003-150. The University of Massachusetts is an Aequal Opportunity/Employer.
ENIMONT AMERICA INC.
(formerly EniChem Americas, Inc.), a subsidiary of an Italian-based major international chemical company. Immediate openings exist which present unique opportunities to join a multidisciplinary group of scientists developing programs in crop improvement through Biotechnology in our Research Center's Biotechnology Laboratory Plant near Princeton, New Jersey.

MOLECULAR BIOLOGIST
We are particularly interested in candidates with a strong background in molecular biology coupled with specific expertise in isolation and characterization of regulatory regions from eukaryotic genes, gene expression and gene constructions. Direct experience in higher plant systems is very desirable but not essential, A Ph.D. and at least several years of relevant experience are required.

POSTDOCTORAL CELL BIOLOGIST
This position involves joining an established maize transformation research team and will provide an opportunity to develop expertise in maize tissue culture, transformation technology and molecular analysis. We are particularly interested in candidates who already have experience in the initiation and development of embryogenic cell cultures, and are interested in applying this to crop improvement.

The successful candidates will enjoy the benefits of joining a new research team in a well-equipped, custom designed facility supported by a major European corporation.

If interested, please submit your Curriculum Vitae (including 3 references with their addresses and phone numbers) indicating position desired to:
Personnel Coordinator

ENIMONT AMERICA INC.
2000 Cornwall Road
Monmouth Junction, NJ 08852

Research Scientists
Antipsychotics
Parke-Davis Pharmaceutical Research Division, Warner-Lambert Company, has 2 immediate openings for Scientists in the Neurosciences Pharmacology section. Successful candidates will join an experienced and interactive team of dedicated scientists working in the areas of Antipsychotics.

Research Scientist: Molecular Biology of Neurotransmitter Receptors
The successful applicant will apply molecular biology techniques to the study of CNS receptor proteins and other targets. This individual will collaborate with molecular geneticists and biochemical pharmacologists in the development of novel probes, in the cloning and expression of receptors and in the utilization of this technology for biochemical assay methods. The selected applicant will conduct exploratory research on new mechanistic approaches and will participate as a member of a multidisciplinary drug discovery team developing novel treatments for psychiatric disorders.

Qualifications include a Ph.D. in Cell or Molecular Biology, Biochemistry or Pharmacology, 2+ years' postdoctoral training and strong oral and written communication skills. Biochemical pharmacology experience and psychopharmacology interest desirable.

Associate/ Assistant Research Scientist: Biochemical Neuropharmacology
The successful applicant will apply biochemical techniques to the development of novel chemical agents. This individual will help to develop and conduct assays to evaluate radioligand binding, enzyme kinetics and receptor-second messenger interactions on biological tissues including cultured brain cells. The selected applicant will participate in exploratory research on new mechanistic approaches and will interact with other CNS pharmacologists in the identification of new drugs for psychiatric disorders.

Qualifications include an MS or BS degree in Biology or other life sciences discipline, laboratory experience with biochemical assay methods, including radioligand binding assays; tissue culture experience advantageous.

Interested candidates should send their curriculum vitae to Mr. Bill Burmeister, PARKE-DAVIS Pharmaceutical Research, 2800 Plymouth Road, Ann Arbor, MI 48105. "Smoke-Free Work Environment"

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1515 Broadway
New York, NY 10036

POSITIONS OPEN

FACULTY POSITION IN ANATOMY
The Department of Animal Science, College of Veterinary Medicine, The University of Tennessee, is accepting applications for a full-time, tenure-track faculty position in anatomy at the ASSOCIATE/ASSOCIATE PROFESSOR level. Persons applying should possess the Ph.D. and/or M.D. degree and have suitable training or experience. Applications will be reviewed 15 August 1990 and thereafter until the position is filled. The successful candidate will be responsible for teaching in the team-taught two-semester sequence of veterinary macroscopic anatomy, conducting original funded research in the area of their specialty, and teaching relevant graduate courses. Collaboration with other faculty and the supervision of graduate students is strongly encouraged. Salary is commensurate with experience and qualifications. Women and minorities are encouraged to apply. Qualified applicants are invited to submit a letter of application, current curriculum vitae, statement of research interest, and names of three references to: Dr. T. W. Schultz, Chair, Search Committee, Department of Animal Science, College of Veterinary Medicine, The University of Tennessee, P.O. Box 1071, Knoxville, TN 37901. An Equal Opportunity/Affirmative Action Employer.

PHARMACOLOGY POSITIONS IN GREECE
Several tenure-track positions are available in the Departments of Medicine and Pharmacy, School of Health Sciences, University of Patras, Greece. The candidates must be Greek citizens but military obligations, post-doctoral and teaching experience, duties include teaching and research work. Please submit curriculum vitae, statement of research interest, and names of three references to: Professor S. Paspasounnou Department of Pharmacy, University of Patras, Greece 26110. Telephone: (061) 991677.

THE HEBREW UNIVERSITY HAIDA OSSAH MEDICAL SCHOOL JERUSALEM
FACULTY POSITIONS
The Faculty of Medicine invites applications for tenure-track positions in basic medical sciences. Preference will be given to candidates that utilize modern molecular approaches in the following areas: medical microbiology, human genetics, parasitology, biotechnology, cell biology, physiology, and pharmaceutical sciences. In addition, applications are also sought in the field of public health: nutrition, epidemiology, and health administration. Ph.D. and/or M.D. degree and postdoctoral training are required. Experience in research and teaching responsibilities are of prime importance in the decisions of the search committee. Candidates are expected to develop independent research. Send curriculum vitae, list of publications, three to five selected reprints, research plans, and three letters of recommendation to: Dean, Professor S. Razin, Office of the Dean, P.O.B. 1172, 91010 Jerusalem, Israel, not later than 30 September 1990.

TENURE-TRACK APPOINTMENT IN ENVIRONMENTAL BIOLOGY
The Environmental Science and Engineering Interdepartmental Program and Department of Environmental Health Sciences, University of California, Los Angeles (UCLA), School of Public Health. Tenure-track faculty member in the general area of environmental biology. Specific research areas could be in ecology, ecotoxicology, conservation biology, impacts of pollutants on plant or animal systems, or related areas. Awareness of and interest in policy-related implications of environmental biology will be important, especially in relation to teaching and student guidance. Candidates should have an earned doctorate and several years of experience. The level of this appointment is open; rank and salary will be commensurate with qualifications. The selected individual will serve as one of four core faculty members in the Environmental Science and Engineering Program, which is entirely at the doctoral level. UCLA is an Affirmative Action/Equal Opportunity Employer. Interested applicants should submit curriculum vitae, list of publications, three letters of recommendation, and the names of three references to: Prof. E. YoonBerm, Department of Environmental Science and Engineering, UCLA, 1650 North Verdugo Road, Los Angeles, CA 91125. An Equal Employment Opportunity/Affirmative Action Employer.

TEMPORARY FACULTY OPENING. Kalamazoo College invites applications for a temporary faculty position in the Chemistry Department beginning in September 1990 with the eventual possibility of its becoming a tenure-track appointment. The principal teaching responsibilities in 1990-91 will be instrumental analysis and instrumental analysis II. Qualified applicants are encouraged to submit a resume and three letters of recommendation to: Professor Laurence E. Wilson, Department of Chemistry, Kalamazoo College, Kalamazoo, MI 49007. This search will continue until the position is filled. Kalamazoo College is committed to diversity and particularly encourages applications from women and minorities.

MOLECULAR BIO-NEURO-Oncologist UNIVERSITY OF FLORIDA COLLEGE OF MEDICINE
The Department of Pediatrics seeks a molecular neuro-oncologist to direct a newly established Neuro-Oncology Laboratory. Salary and rank will be dependent upon training and experience, which must be in immunology and molecular biology. The position is at the assistant professor level. Applicants should have a Ph.D. in a discipline relevant to neuro-oncology, a Ph.D. in a discipline relevant to immunology, or an M.D. in a discipline relevant to neuro-oncology. Salary is negotiable, with the rank in the College of Medicine. Applications are encouraged. Submit a curriculum vitae, letter of interest, including the names and addresses of three references, to: Dr. E. YoonBerm, School of Public Health and Health Sciences, University of California, Los Angeles, CA 90024.
National Institute on Alcohol Abuse and Alcoholism

Molecular Neurobiology Post-Doctoral Positions

The Section on Molecular Neurobiology, National Institute on Alcohol Abuse and Alcoholism (NIAAA) has positions available immediately to (i) clone and sequence ion channel receptors and (ii) elucidate the molecular basis of alcohol's effects on ion channel receptor function. Approaches to be used include: cDNA cloning, PCR techniques, Xenopus oocyte expression, site-directed mutagenesis, ligand binding and electrophysiology. Applicants must have less than three years previous post-doctoral experience. Annual salary is $25,000 - $28,000. Applicants with expertise and interests in molecular neurobiology, Xenopus expression systems and electrophysiology are encouraged to apply. Please send curriculum vitae and three letters of reference to:

Claire M. Fraser, Ph.D., Chief
Section on Molecular Neurobiology
Laboratory of Physiologic and Pharmacologic Studies
NIAAA/NIH
12501 Washington Avenue
Rockville, Maryland 20852

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IMMUNOCHEMISTRY

SERADYN, INC., a subsidiary of Mitsubishi Kasei Corporation is expanding its Immunoassay research and has the following immediate and key challenges:

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Experienced in the synthesis of antigenically active drug and hormone conjugates.

SCIENTISTS

To work on the development of diagnostic kits for hormones, therapeutic drugs and infectious diseases. A PhD with 0-3 years experience is preferred. Disciplines sought are: Microbiology, Biochemistry, Immunology or Clinical Chemistry.

Successful candidates should be highly self-motivated and goal-oriented with strong oral and written communication skills.

We offer a competitive salary and benefit program in a professional, friendly environment. For confidential consideration, send resume and salary history to the Personnel Manager.

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Research Opportunities

To support our growing research program in the Atmospheric & Geophysical Sciences Division, we are inviting applications for postdoctoral, term, and career appointments in the following areas:

- Diagnosis and analysis of results from global atmospheric, chemical and oceanic models.
- Development and improvement of algorithms for treating physical, radiative, and chemical processes in global and mesoscale atmospheric and oceanic models.
- Development of cloud models and cloud microphysical processes.
- Assembly and processing of observational data sets for comparison with model results.

Level of appointment will be commensurate with education and experience. Candidates for term appointments should have an MS or PhD with a minimum of two years research experience. Candidates for career appointments should have a PhD and a minimum of five years research experience.

LLNL offers an excellent compensation and benefits package. For immediate consideration forward your resume to: Barbara Tuck, Professional Staffing, Lawrence Livermore National Laboratory, P.O. Box 5510, L-725, Dept. A90296, Livermore, CA 94550. U.S. citizenship required. Equal Opportunity Employer.

University of California
POSITIONS OPEN

MARINE BIOLOGIST. With background in marine birds and/or mammals, Moss Landing Marine Lab- oratory invites applications for a temporary appointment at the ASSISTANT OR ASSO- CIATE PROFESSOR level to provide quality undergraduate and graduate student instruction, and to pursue a vigorous research program, especially on aspects of sea birds and/or marine mammals. Teaching responsibilities include courses in marine birds and mammals and statistics. A Ph.D. in marine biology or related field required for assistant professor level is $30,276 to $41,844; associate professor level is $38,112 to $52,896; academic year. The position may be filled as early as July 1991.

Moss Landing Marine Laboratories is located on Monterey Bay, an area noted for abundant, diverse populations of sea birds and marine mammals. The laboratory is an associated institution of California State University campuses including Fresno, Hayward, Sacramento, San Francisco, San Jose, and Stanislaus.

Send curriculum vitae, representative reprints and the names of three referees by 1 September 1990 to: Dr. John H. Martin, Director, MLMI, P.O. Box 450, Moss Landing, CA 95039.

The University is especially interested in hiring faculty members who are aware and sensitive to the educational goals and requirements of an ethnically and culturally diverse population. An Equal Opportunity/Affirmative Action/Tlide IX Employer.

MOLECULAR DEVELOPMENT BIOLOGIST: EMBRYOLOGIST. The Department of Veterinary Anatomy and Developmental Biology invites applications and nominations for two 12-month, tenure-track, fully budgeted faculty positions in mammalian developmental biology/embryology. Applicants must be trained in genetics and developmental biology/embryology and utilize modern approaches to developmental problems in eukaryotic cells. Preference will be given to candidates working with (i) transgenic animals to define developmental mechanisms, (ii) temporal and spatial expression of genes to study programmed development, or (iii) teratogens. Applicants for postdoctoral experience are required. The D.V.M. degree and/or experience in a College of Veterinary Medicine is highly desirable but not mandatory.

Candidates will be expected to develop independently funded research programs to complement ongoing departmental and college programs in molecular genetics, developmental biology/embryology, reproductive biology, neurobiology, and developmental toxicology. One candidate will be expected to team teach in a 15-week (three credit hour) course in developmental biology/embryology offered to first-year students in the professional veterinary medical curriculum. The other candidate will assume responsibility for a 15-week (four credit hour) course in mammalian developmental biology.

Rank and salary are negotiable and the starting date is open. Send letter of application with curric- lum vitae, present and future research plans, and the names, addresses, and telephone numbers of at least three references to: Dr. Robert P. Stiles, Associate Dean and Head, Department of Veterinary Anatomy, Texas A&M University, College Station, TX 77845-4458.

Review of applications will begin immediately and continue until the positions are filled. Women and minorities are encouraged to apply. Texas A&M is an Affirmative Action/Equal Opportunity Employer.

Research position available for POSTDOCTORAL ASSOCIATE or JUNIOR FACULTY, depending on experience. Prior experience with patch clamp technique is desired to explore second messenger system in epithelial cells. Send letter of application and curriculum vitae to: John H. Hartzog, Ph.D., Yale University, Depart- ment of Medicine, 333 Cedar Street, New Haven, CT 06510.

POSTDOCTORAL POSITION/ZOOPLANKTON ECOLOGY. A 2- or 3-year appointment to participate in research dealing with salt marsh and estu-arine zooplankton structure and composition. Earliest starting date: August 1990.

Send curriculum vitae, reprints, other supporting doc- uments, and names of three referees to: Dr. Jorge Rey, Wetlands Ecology, University of Florida, Florida Medical Entomology Laboratory, 200 9th Street, S.E., Vero Beach, FL 32962. The University of Florida is an Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

The Department of Pediatrics at the University of Michigan is seeking three sub-Board-certified PEDIATRIC CARDIOLOGISTS to expand our faculty and teach, and researching activities. If interested, please send curriculum vitae and statement of personal goals to:

Robert C. Kelch, M.D. Director, Pediatric Cardiology Unit Box 3318, TC, Room 1924 1500 East Medical Center Drive Ann Arbor, MI 48109-3318

The University of Michigan is a nondiscrimination Affirmative Action Employer.

The Ohio State University Department of Pediatrics, located at an academically oriented children's hospital, is seeking a Board-certified PEDIATRICIAN (M.D. or M.D./Ph.D.) with a working clinical knowledge of pediatric infectious diseases. This is a regular tenure-track position at the ASSOCIATE TO FULL PROFES- SOR level. The successful candidate will be expected to develop a unique research program in basic research in the field of molecular virology, preferable retrovirology, and be committed to conducting research which achieves equal status in the educational and research missions of the University.

Salary is negotiable as is the rank to be offered. The successful candidate will be expected to participate in training of residents, fellows, and medical students. Applications are encouraged from individuals interested in infectious diseases as part of their research and teaching career. Candidates are expected to have a strong commitment to patient care and to research. Qualified individuals interested in this position should send curriculum vitae and letter of interest to:

Andrew J. Zlotnik, M.D. Chairman Department of Pediatrics The Ohio State University College of Medicine W. 10th Avenue Columbus, OH 43210

Send curriculum vitae and statement of personal goals to:

Dr. Gary E. Hart, Search Committee Chair, Department of Soil and Crop Sciences, Texas A&M University, College Sta- tion, TX 77843-2474. Telephone: 409-845-8253. Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITION. Available in a lab- oratory studying development of immunogenic vaccines by genetic engineering. Send curriculum vitae and have three letters of reference sent to: Dr. Stephen E. Wright, Medical Research (151), Veterans Adminis- tration Medical Center, 6010 Amarillo Boulevard, Amarillo, TX 79106.

POSTDOCTORAL POSITION. Available imme- diately for postdoctoral research in marine mammal science and/or infectious disease research. A Ph.D. in chemistry, biochemistry, or biophysics with research experience in protein biochemistry and/or fluorescence will be required. Send curriculum vitae and three names of references to: Dr. Robert M. Goldberger, Beck- man Research Institute, Physical Biochemistry Sec- tion, 1450 East Durante Road, Duarte, CA 91010.

POSTDOCTORAL POSITION. NIDA-funded postdoctoral position to study the neuro- biology of androgen abuse, available immediately. Ph.D. with experience in molecular biology. Send curriculum vitae and three references to: Dr. Richard Harlan, Department of Anatomy, Tulane University School of Medicine, 1430 Tulane Avenue, New Or- less, LA 70112.

Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION, MOLECULAR BIOLOGY. Duke University. Available 1 July 1990 in laboratory investigating regulation of expression of en- dothelial cell coagulation factors. Experience in molecu- lar biology necessary. Send curriculum vitae and names and telephone numbers of three to: Dr. William A. Dittman, Department of Medicine, Duke University Medical Center, Box 111-G, 508 Fulton Street, Durham, NC 27705. Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL ELECTRON MICROSCOPE COPY- POSITION is available immediately for research on the ultrastructure of plants expressing virus resistance, and the sequences and products. Experience in interpreting plant ultrastructure is essential, and experience with the study of the response of cells to stress is desirable. Send curriculum vitae and names of three references to: Dr. Thomas P. Pirone, Department of Plant Pathology, University of Ken- tucky, Lexington, KY 40546. NEUROBIOLOGY

POSTDOCTORAL POSITIONS available imme- diately in laboratories studying nerve regeneration, neu- ronal plasticity and neuronal development. Research faculty studying recovery of function utilize transplanta- tion, behavioral, neuroanatomical, and neurophysiologi- cal methods. Laboratories investigating the role of neu- ronal development utilize primary cell culture, molecular, and immunochronal strategies to study cell lineage, neurophilism, and neural circuit formation. Faculty include Timothy J. Cunningham, Ph.D.; Pat R. Levtov, Ph.D.; Michael E. Goldberger, Ph.D.; Marion Murray, Ph.D.; Martha Nowicky, Ph.D.; Martin Pinter, Ph.D.; R. E. Ross, Ph.D.; and Walter J. Pintar, Ph.D. Send curriculum vitae and names of references to:

Dr. E. H. Murphy Department of Anatomy Medical Sciences Building/RRP 3200 Henry Avenue Philadelphia, PA 19129

Medical College of Pennsylvania is an Affirmative Action/ Equal Opportunity Employer.
NEUROSCIENTIST
(Ph.D. with post-doc experience)

Essential requirements include: (1) experience and sophistication in excitatory amino acid toxicity; (2) interest in ischemic brain damage and drug therapy; and (3) extensive skills in histology, neuroanatomy, surgery, and in vivo model development.

Position offers excellent opportunity to develop an individual research program within a larger multidisciplinary team. Individual will report directly to Sr. Vice President of R&D, offering tremendous career opportunities for continuous growth in research, corporate or combination activities.

CORTEX Pharmaceuticals has established modern laboratories in beautiful Orange County, California, minutes from the University of California, Irvine campus and Pacific Ocean coastline. CORTEX offers exciting research programs, a stimulating scientific environment with close university affiliations, exceptional growth potential and an excellent compensation package, including participation in a generous stock option program.

Send copy of vita, the names, addresses and phone numbers of three references, and a detailed letter describing research interests and career goals to:

CORTEX Pharmaceuticals, Inc.
15241 Barranca Parkway
Irvine, CA 92718
Attention: Mrs. M. Michaud

Vision, Touch and Hearing Research Centre
Department of Physiology & Pharmacology
University of Queensland

SIX RESEARCH POSITIONS IN SENSORY NEUROSCIENCE

The Vision, Touch and Hearing Research Centre is seeking a second round of appointments for its laboratories at the University of Queensland under the Directorship of Professor J.D. Pettigrew FAA, FRS, with funding from the Commonwealth Special Research Centres Program. Applications are invited from scientists with postgraduate qualifications in sensory neuroscience and related subjects for appointment to six fixed-term research positions in laboratories headed by Professor Pettigrew (Director), Dr. D.I. Vaney (Vision), Dr. M.B. Calford (Somatosensation) and Dr. J.O. Pickles (Audition).

The Centre's interdisciplinary program addresses three basic themes of neurosensory research: transduction and central processing of sensory information; neural plasticity and its pharmacological modification; neuronal complexity of local processing circuits and their topographic organization. The Centre's laboratories include fully equipped auditory and quantitative somatosensory suites, an anechoic chamber, isolated retina and brain slice labs, and a tissue culture lab. Service facilities will include histology and C1 biochemistry labs, a sterile surgery, an electronics and computing service, facilities for light and electron microscopy. In addition to research on standard laboratory species bred in an SPF facility, selective use is made of diverse Australian fauna, ranging from coral reef fish to flying foxes.

Appointments, beginning some time after January 1, 1991, will be made at the level of Research Officer ($27,953–$31,808 p.a. in 6 steps) or Senior Research Officer Grade 1 ($32,197–$41,841 p.a. in 8 steps) and will be until December 1993, with the possibility of three years renewal subject to Commonwealth funding. Removal costs and travel allowances for yearly attendance at international meetings are provided. Send CV and names and addresses of three referees to Professor Pettigrew at the Vision, Touch and Hearing Research Centre, Department of Physiology and Pharmacology, The University of Queensland, QLD, 4072, Australia. Closing date June 15, 1990. Reference No. 24390.

Equal Opportunity in Employment is University Policy

National Institute on Aging (NIA)
National Institutes of Health (NIH)

GERONTOLOGY RESEARCH CENTER
FELLOWSHIP

Fellowship available at the Intramural Research Program of NIA in Baltimore to study gene regulation and transcription factors in differentiating and degenerating mesenchymal cells including chondrocytes and osteoblasts. Also to study the variations in the transcription factors of these cells during aging and in response to growth factors. Expertise in molecular and cell biology is desirable but not essential. Submit Curriculum Vitae and three letters of recommendation to:

Dr. George R. Martin
or
Dr. Walter E. Horton, Jr.
Gerontology Research Center
NIA/NIH
4940 Eastern Avenue
Baltimore, Maryland 21224

NIH is an Equal Opportunity Employer
POSTDOCTORAL POSITIONS OPEN

POSTDOCTORAL POSITION IN MOLECULAR NEUROBIOLOGY. A postdoctoral position is available to study synaptic morphology and function in vitro. Experience in molecular biology and biochemistry is required. Please send curriculum vitae, names of three references, and a statement of research interests to: Dr. Steven A. Winder, Department of Pathology, University of Virginia, Charlottesville, VA 22908.

POSTDOCTORAL POSITION IN MOLECULAR BIOLOGICAL SYSTEMS. A postdoctoral position is available to study the role of retroviral proteins in cell transformation. Experience in molecular biology and biochemistry is required. Please send curriculum vitae, names of three references, and a statement of research interests to: Dr. Richard S. Finn, Department of Pathology, University of Virginia, Charlottesville, VA 22908.

POSTDOCTORAL POSITION IN RNA BIOSYNTHESIS. A postdoctoral position is available to study the role of RNA polymerases in the transcription of mammalian genes. Experience in molecular biology and biochemistry is required. Please send curriculum vitae, names of three references, and a statement of research interests to: Dr. John R. Funk, Department of Pathology, University of Virginia, Charlottesville, VA 22908.

POSTDOCTORAL POSITION IN CELL BIOLOGY AND DEVELOPMENT. A postdoctoral position is available to study the role of cell adhesion molecules in the development of the nervous system. Experience in molecular biology and biochemistry is required. Please send curriculum vitae, names of three references, and a statement of research interests to: Dr. Barbara A. Miller, Department of Pathology, University of Virginia, Charlottesville, VA 22908.

POSTDOCTORAL POSITION IN IMMUNOBIOLOGY. A postdoctoral position is available to study the role of immune system in the development of cancer. Experience in molecular biology and biochemistry is required. Please send curriculum vitae, names of three references, and a statement of research interests to: Dr. Michael J. Smith, Department of Pathology, University of Virginia, Charlottesville, VA 22908.

POSTDOCTORAL POSITION IN NUCLEAR BIOCHEMISTRY. A postdoctoral position is available to study the role of nuclear proteins in gene expression. Experience in molecular biology and biochemistry is required. Please send curriculum vitae, names of three references, and a statement of research interests to: Dr. Rachel A. Thompson, Department of Pathology, University of Virginia, Charlottesville, VA 22908.

POSTDOCTORAL POSITION IN MOLECULAR BIOLOGY. A postdoctoral position is available to study the role of molecular biology in the development of new therapeutic agents. Experience in molecular biology and biochemistry is required. Please send curriculum vitae, names of three references, and a statement of research interests to: Dr. John R. Miller, Department of Pathology, University of Virginia, Charlottesville, VA 22908.

POSTDOCTORAL POSITION IN MOLECULAR MEDICINE. A postdoctoral position is available to study the role of molecular medicine in the development of new therapeutic agents. Experience in molecular biology and biochemistry is required. Please send curriculum vitae, names of three references, and a statement of research interests to: Dr. Rachel A. Thompson, Department of Pathology, University of Virginia, Charlottesville, VA 22908.

POSTDOCTORAL POSITION IN MOLECULAR BIOLOGY. A postdoctoral position is available to study the role of molecular biology in the development of new therapeutic agents. Experience in molecular biology and biochemistry is required. Please send curriculum vitae, names of three references, and a statement of research interests to: Dr. John R. Miller, Department of Pathology, University of Virginia, Charlottesville, VA 22908.

POSTDOCTORAL POSITION IN MOLECULAR BIOLOGY. A postdoctoral position is available to study the role of molecular biology in the development of new therapeutic agents. Experience in molecular biology and biochemistry is required. Please send curriculum vitae, names of three references, and a statement of research interests to: Dr. John R. Miller, Department of Pathology, University of Virginia, Charlottesville, VA 22908.
POSTDOCTORAL POSITIONS IN GENETICS

The Laboratories of Genetics and Molecular Genetics have frequent openings for postdoctoral fellows. Annual stipends start at or above $25,000 and increase substantially with years of experience, but candidates should have fewer than 2.5 years of postdoctoral experience at the time of application (no more than 3 years at the time of appointment). Must have Ph.D. or equivalent degree in genetics or closely related field and demonstrate a strong record of accomplishment appropriate to their years of experience. U.S. citizenship not required. Living and working conditions are excellent. Research programs are directed by the following senior investigators:

- Frank M. Johnson: Variation in the mammalian skeleton.
- Burke H. Judd: Gene structure and expression in Drosophila melanogaster.
- Thomas A. Kunkel: Fidelity of DNA replication by the AIDS virus reverse transcriptase and by the human replication complex.
- Steven S.L. Li: Organization and regulation of mammalian genes, and protein structure-function relationships.
- Roel Schaaper: DNA replication, repair and the origins of mutation in Escherichia coli.

When applying, you may, but need not, indicate one or more preferred preceptors. Please send a curriculum vitae and the names, addresses and telephone numbers of three references to:

Mr. Bruce Wiggins
NIEHS Personnel Office
(HNV20)
P.O. Box 12233
Research Triangle Park, NC 27709
(919) 541-3317

We are an Equal Opportunity/Affirmative Action Employer. Women & minorities are strongly encouraged to apply.
DEPARTMENT OF THE ARMY JOB VACANCY

PHYSICAL SCIENTIST/GENERAL ENGINEER/MATHEMATICIAN

U.S. Army Research Office
Research Triangle Park, North Carolina

Applications are being accepted for the interdisciplinary position of Physical Scientist, General Engineer or Mathematician. This is a Civil Service position at the GS-15 grade level with a salary range of $59,216-$76,982 per annum. Duty station is Washington, DC. The incumbent serves as a liaison between the Army Research Office and the Office of the Assistant Secretary of the Army for Research, Development and Acquisition (OASA(RDA)). Acts as the field representative of the Army's Independent Laboratory In-House Research Program, Intramural and Extramural Research Programs, and University Research Initiative Program, providing information, and programmatic and policy advice to the OASA (RDA). Serves as a primary proponent of these programs insuring adequate investment to maintain Army technological superiority. Performs other staff actions such as preparing responses to congressional questions and inquiries, preparing policy memoranda, and serving as action officer for program reviews and strategy meetings concerning Army basic research.

In addition to the basic requirements for a bachelor's degree in physical science, engineering or mathematics, applicants must have one year of specialized experience equivalent to the next lower grade in the Federal Service and a background in fundamental research. Applicants should possess (1) Knowledge of physical, engineering and/or mathematical sciences as related to the Army's military missions; (2) Ability to analyze and defend the Army's basic research program; (3) Ability to work effectively with the Army research community and with DA and DoD civilian and military personnel in program execution issues and long range planning and programming efforts; and (4) Ability to execute staff actions and develop staff papers related to Army research.

Applicants should submit a Standard Form 171, Application for Federal Employment (available at Federal Job Information Centers and Federal Personnel Offices) and a supplemental statement which addresses each qualification listed above to the U.S. Army Research Office, ATTN: SLCS-CP-AR, PO. Box 12211, Research Triangle Park, NC 27709-2211. Additional information may be obtained by calling (919) 549-0641, extension 212.

Applications must be received by June 22, 1990.

THE DEPARTMENT OF THE ARMY IS AN EQUAL OPPORTUNITY EMPLOYER
Cardiovascular Research

Postdoctoral Scientist

CIBA-GEIGY Pharmaceuticals Division has a temporary position open in our Cardiovascular Research Department at Summit, New Jersey, offering challenge and professional growth.

Qualified candidate will possess a PhD in Cardiovascular Pharmacology/Physiology and experience with in vivo techniques. You will study mechanism of action of hypertensive agents in rodents. Good oral and written communication skills are necessary. Experience with in vivo hemodynamic measurements and computerized data acquisition would be helpful, but are not mandatory.

This position will afford the opportunity to participate in a stimulating temporary assignment utilizing state-of-the-art facilities. Please send resume with salary history and requirements to: Staffing Center, CIBA-GEIGY Corporation, Pharmaceuticals Division, Dept PD, 556 Morris Avenue, Summit, New Jersey 07901. We Are An Equal Opportunity Employer M/F/H/V.

Science Serving Mankind

CIBA-GEIGY

A Proud Past and a Promising Future

For over 50 years, Kendall McGaw Laboratories, Inc. has been a leading supplier of IV solutions, medical nutrition and related pharmaceutical products to the healthcare industry. Our employees take pride in the fact that our business is saving and improving the quality of human life. Our growth and success have created an immediate opportunity for a:

TOXICOLOGIST

Successful candidate will have a Ph.D in Toxicology with emphasis on pharmacokinetic, absorption, distribution, metabolism and excretion studies. Position requires 1-3 years experience in a supervisory capacity.

Experience may be considered in lieu of advanced degree. Responsibilities will include supervising GLP studies of products under development. Excellent verbal and written communication skills, along with proven leadership ability are also required.

Kendall McGaw offers an excellent salary and benefits package. For immediate consideration, please send your resume [principals only, please] to: L. Hewel, Human Resources Department, Kendall McGaw Laboratories, Inc., 2525 McGaw Avenue, Irvine, CA 92714. We are an equal opportunity employer.

KENDALL McGAW LABORATORIES, INC.

CLINICAL ASSOCIATE OR SENIOR STAFF FELLOW

The Laboratory of Clinical Studies, National Institute on Alcohol Abuse and Alcoholism, Public Health Service, invites applications for a position to study the psychobiology and molecular biology of alcoholism and its complications. Unique opportunity to become a member of a multidisciplinary team working in a 10-bed research ward and outpatient clinic at the National Institutes of Health Clinical Center, Bethesda, Maryland. State-of-the-art equipment and experienced technical support available. The salary range is $40,000 to $52,000 per annum commensurate with qualifications. Interested candidates must be board certified or eligible psychiatrists or neurologists who are U.S. citizens or permanent residents. Position information and qualification requirements may be obtained by contacting Dr. George. This position is available now. Submit Curriculum Vitae and names of three references to:

Ted George, M.D.
National Institute on Alcohol Abuse and Alcoholism
Laboratory of Clinical Studies
Building 10, Room 3B-19
9000 Rockville Pike
Bethesda, Maryland 20892
Phone: (301) 496-9705

NIH is an Equal Opportunity Employer
POSTDOCTORAL RESEARCH ASSOCIATE

The Arnold Arboretum of Harvard University is seeking applicants for a postdoctoral research position to work on the Genetic Flora of the Southeastern United States Project. A Ph.D. and training or experience in the systematic biology or taxonomy of seed plants are required. Individuals with interests in the Compositae, Liliaceae, Amaryllidaceae, and Labiatae are encouraged to apply. Initial appointment will be given considerable consideration. Please send curriculum vitae, a statement outlining research interests, and three letters of recommendation to: Dr. Carrell E. Wood, The Arnold Arboretum, 22 Divinity Avenue, Cambridge, MA 02138. Telephone: 617-495-2362.

RESEARCH ASSOCIATE

Forty hours per week, 8:00 a.m. to 5:00 p.m.; $25,000 per year. Duties include research on a) the structure of PtCo bimetallic catalyst; metal particle size of PtCo bimetal catalyst, interaction of Pd and Co catalysts, and catalysis. Techniques: from organometallic precursors and micro wave plasma to prepare zeolite catalyst; quantitative TPR/TPD/TPO with TLC and MS; X-ray absorption fine structure, SERS, diffuse reflectance, and Mössbauer and infrared spectroscopy. Ph.D. in chemistry as well as 1 year of experience as a research associate or as a research assistant required. Previous experience must include preparation of highly dispersed metal catalysts using organometallic precursors and micro wave plasma, SERS, and Mössbauer spectroscopy. Send resume, publications, and names of three references to: Dr. Robert Crowl, Department of Pediatrics, Box 49, Philadelphia, PA 19104. Salary: $29,891 or equivalent of education and experience. Application deadline: 1 July 1990. Please send curriculum vitae to: Box 49, SCIENCE.

RESEARCH ASSOCIATE

Application is invited for a postdoctoral research associate to work on myeloid cell proliferation in vitro, a project supported by NIH Grant AI 12005. The candidate will be expected to study the regulation of cell growth by cytokines, including growth factor receptors and signal transduction pathways, both in lymphoma cell lines and in primary cultures of myeloid cells. Candidates with experience in cell proliferation, signal transduction, and murine myeloid cell culture are encouraged to apply. Initial appointment is expected to be for one year, with the possibility of renewal. Please send a curriculum vitae, a statement of research interest and relevant experience, and the names and addresses of three references to: Dr. Richard P. Modlin, Department of Microbiology and Immunology, Box 38450, Duke University Medical Center, Durham, NC 27710.

Assistant Research Professors

The Department of Plant Sciences at the University of California, Davis, is seeking applications for two Assistant Research Professor positions to work in two different research groups. One position is in the area of molecular and cellular biology, and the other is in the area of plant-virus interactions. Both positions are open to candidates with a strong background in molecular biology, genetics, or virology. Applications are invited for these positions, and the review of applications will begin immediately and continue until the positions are filled. Please send a curriculum vitae, a statement of research interest and relevant experience, and the names and addresses of three references to: Dr. J. L. Rabinowitz, Department of Plant Sciences, University of California, Davis, CA 95616.

Assistant Research Professor

The Department of Biochemistry at the University of California, Davis, is seeking applications for a tenure-track faculty position in the area of cell biology. The position is open to candidates with a strong background in cell biology, genetics, or virology. Applications are invited for this position, and the review of applications will begin immediately and continue until the position is filled. Please send a curriculum vitae, a statement of research interest and relevant experience, and the names and addresses of three references to: Dr. J. L. Rabinowitz, Department of Biochemistry, University of California, Davis, CA 95616.
U.S. Public Health Service
Epidemiology Training Program

Applications are being accepted for the 1990 U.S. Public Health Service (PHS), Epidemiology Training Program. APPLICATIONS ARE DUE AUGUST 31, 1990. Training will begin approximately July 1, 1991.

Features: The first year, trainees attend a university to study epidemiology, biostatistics, and related subjects. The subsequent two years, they will perform research with senior epidemiologists at one of the following: National Institutes of Health (NIH), Food and Drug Administration (FDA), National Center for Health Statistics (NCHS), or Alcohol, Drug Abuse, and Mental Health Administration (ADAMHA).

Pay and allowances will depend on the personnel system agreed upon by the preceptor and the trainee. Agencies can use either of the following two mechanisms:

1. A limited appointment in the Commissioned Corps of the USPHS Commissioned Corps in which the usual starting rank is Lieutenant (0-3). The starting salary for an 0-3 medical officer with dependents is approximately $37,000 depending on training and experience. For non-medical officers of the same rank with dependents, the starting salary is approximately $32,000. About $9,950 of these salaries is exempt from federal, state, and local income tax.

2. Appointment as a staff fellow has starting salaries of $37,000 for physicians and $24,864 for non-physicians, with an increase in salary of $2,000 each year. Educational costs and allowable relocation expenses for the first year are provided.

Eligibility: M.D., D.O., Doctorate in an allied health profession, or Ph.D. in a biomedical or behavioral science or equivalent, and one year of postdoctoral training or experience by 7/1/91; U.S. citizenship as of 8/31/90; acceptability to an accredited university offering an MPH or equivalent, or more advanced public health degree.

To obtain an application and more details, send your name and address to: NIA Training Center, PHS Epidemiology Training Program, EPHS/100, 9000 Rockville Pike, Bethesda, MD 20892.

TOXICOLOGIST

Ricerca, Inc. is currently seeking a qualified toxicologist in its expanding Toxicology/Metabolism Department to provide scientific support to our staff and to our clients. The successful candidate will prepare study proposals, study protocols and reports for acute, subchronic and chronic safety evaluation studies. A Ph.D. in toxicology, pharmacology, or other biological science is required along with 0-5 years of toxicology experience in a contract laboratory or in industry. Ricerca, Inc. is located in Concord Township, an attractive Cleveland suburb. We offer challenging opportunities, competitive salaries, and an outstanding benefits package. For immediate consideration, send a resume to our Human Resources Department.

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CANCER PREVENTION FELLOWSHIP PROGRAM

The Division of Cancer Prevention and Control (DCPC) is accepting applications for the Cancer Prevention Fellowship Program (CPFP). The purpose of this program is to attract individuals from a multiplicity of health science disciplines into the field of cancer prevention and control. The program provides for: Participation in the DCPC Cancer Prevention and Control Academic Course; Working at NCI directly with individual preceptors on cancer prevention and control projects; Field assignments in cancer prevention and control programs at other institutions. Funding permitting, as many as ten Fellows will be accepted for up to three years of training, beginning July 1, 1991. Benefits include selected relocation and travel expenses, paid federal holidays, and participatory health insurance.

ELIGIBILITY

M.D. or D.D.S. from a U.S., territorial, or Canadian Medical School. Foreign medical graduates must have current ECFMG/FMGE certification and appropriate experience, e.g., one year residency in a training program approved by the Accreditation Council for Graduate Medical Education.

OR

Ph.D., Dr. P.H. or other doctoral degree in a related discipline (epidemiology, biostatistics, and the biomedical, nutritional, public health or behavioral sciences). Foreign education must be comparable to that received in accredited U.S., territorial, or Canadian institutions.

PLUS

U.S. citizenship or resident alien eligible for citizenship within four years.

For details and application catalog, send a postcard or letter with your name and home address to:

Douglas L. Weed, M.D., M.P.H., Ph.D., Director Cancer Prevention Fellowship Program Division of Cancer Prevention and Control National Cancer Institute Executive Plaza South, T-41 Bethesda, MD 20892

Further Inquiries: Mrs. Barbara Redding, (301) 496-8640 or 496-8641.

Deadline for receipt of Applications: September 1, 1990

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POSITIONS OPEN

RESEARCH ASSOCIATE

Position in neurobiology laboratory working with anatomical, pharmacological, and/or electrophysiological studies of visual system. B.S./M.S. with work experience preferred. Tuition benefits. Send letter and résumé to: Susan B. Udin, Department of Physiology, State University of New York, Buffalo, NY 14214. Equivalent Opportunity Employer.

ASSOCIATE SCIENTIST

The University of Wisconsin-Madison Medical School, Clinical Cancer Center, has an opportunity for an individual with an M.D. in cytogentic or a closely related oncology specialty to direct the cytagenetic analysis of SV-HUC transormants. Experience in karyotyping cells of the SV-HUC in vitro transformation system highly desirable. Prior molecular genetics training and 5 years of experience in cytagenetics preferred. Publications in peer-reviewed journals in relevant areas desired. Please send curriculum vitae with three letters of reference to:

Dr. Catherine Renzikoff
K4/536 Clinical Sciences Center
600 Highland Avenue
Madison, WI 53792

STAFF ASSOCIATE

Position available for a staff associate with experience in tissue culture and molecular techniques for a project involving oncogenic transformation and mutagenesis of high LET radiation and chemicals. Candidates should have a master's degree in a related biological discipline with at least 3 years of experience. Send credentials and names of three references to: Dr. Tom K. Hei, Center for Radiobiology and Radiotherapy, University, 630 West 168th Street, New York, NY 10032.

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TECHNICIAN IN BIOLOGY

B.S. in biology or related area. The individual will participate in a program in molecular parasitology centered on trichomonads. Research techniques to be utilized will be enzymeology, DNA sequencing, cell fractionation, and molecular biology. Salary $15,000 to $20,000. Starting date 5 July 1990. Applicants should send resume, curriculum vitae, letter of introduction, and the names and telephone numbers of three references by 29 June 1990 to: Donald G. Lindmark, Ph.D., Department of Biology, Cleveland State University, East 24th and Euclid Avenue, Cleveland, OH 44115. Equal Opportunity Employer, M/F/H.

VIROLOGIST

At Northwestern University Medical School. A tenure-track university faculty position in the Department of Pathology offering the opportunity for a major commitment to research with a modicum of hospital service. The successful candidate can be either an M.D. or Ph.D. who has an active research program and experience in the laboratory diagnosis of AIDS. Faculty rank and salary will be commensurate with the level of qualification and academic development. In addition, the candidate will have administrative leadership of a BL-3 level research/diagnostic laboratory. The institution has made a major commitment to AIDS and has an NIH Comprehensive AIDS Center and an active multidisciplinary group of AIDS investigators. Interested candidates should submit curriculum vitae by 30 June 1990 to: Dr. Dante G. Scarpelli, Chairman, Department of Pathology, Northwestern University Medical School, 303 East Chicago Avenue, Chicago, IL 60611.

Northwestern University is an Affirmative Action/Equal Opportunity Employer. Women are encouraged to apply.

SITUATIONS WANTED

ANATOMIST. Very experienced in teaching medical gross anatomy; have also taught neuromathic. Active research, neurophysiology orientation. Seeks teaching/research. Telephone: 809-728-3729 or 809-758-2525, ext. 1511.

CELL BIOLOGIST. Ph.D. Postdoctoral experience. Expertise: fungai pathology, TEM, FGFE, micromanipulation. Seeks position as lab manager in North-East, Mid-Atlantic states. Box 46, SCIENCE.

Experienced (industry, government) Ph.D. ENVIRONMENAL SCIENTIST (ecotoxicology, risk assessment). Seeks industry research/environmental policy position. Excellent communication and quantitative skills. Box 47, SCIENCE.

INSECT BIOCHEMIST. Ph.D. entomology, M.S. biochemistry; 10 years of HPLC; enzymes, hormones, antibodies; Lepidoptera, Diptera, Macintosh. Seeks permanent position. Box 48, SCIENCE.

Ph.D. CHEMIST with research experience in synthesis, polymerization, controlled release, instrumentation, and analysis. Seeks position with an academic/nonprofit organization. Box 45, SCIENCE.

MEETINGS

SOFTWARE AND DATABASE DEVELOPERS MEETING

16 JULY 1990

NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION

The National Center for Biotechnology Information (NCBI) of the National Library of Medicine (NLM), National Institutes of Health (NIH), will be holding an informational meeting for software and database developers 16 July 1990 on the NIH campus. Topics will include:

- GenInfo Backbone DNA and Protein Sequence Database
- Data exchange standards for sequences
- NCBI online services
- NCBI software toolbox project

This meeting will also serve as a forum for developers to respond to NCBI's plans and suggest additional directions and projects. Both commercial and academic developers are welcome. Registration is required and attendance is limited to 160. For registration information, contact: Zelda Arch, NCBI/NLM, Building 38A, 8N815, 8600 Rockville Pike, Bethesda, MD 20894.

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SCIENCE, VOL. 248
The Procter & Gamble Company is committed to the development and use of new methods for testing the efficacy and safety of drugs and consumer products that eliminate or reduce use of animals or distress imposed on animals. The University Animal Alternatives Research Program will provide funds for research to develop such methods.

**Funding:**
Up to $50,000 annually for up to 3 years.
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**Deadline for Application:**
September 1, 1990

**Announcement of Recipients:**
March 1, 1991

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- Acute Oral Toxicity
- Skin Irritation
- Contact Sensitization
- Developmental Toxicity
- Respiratory Toxicity
- Neurotoxicity

Inquiries and requests for applications should be directed to:
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