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ACADEMIC ANATOMIC PATHOLOGIST. Department of Pathology, Oregon Health Sciences University, is seeking an anatomic pathologist at the ASSISTANT/ASSOCIATE PROFESSOR level. The position requires medical school training, research experience, and the capacity for investigative work. The applicant should have a strong background in anatomic pathology and be Board-certified or eligible. Special interest or training in pediatric pathology and/or solid tumor molecular pathology is desired but not required. Curriculum vitae and three references should be sent to: Donald H. Bremel, Ph.D., Chairman, Oregon Health Sciences University Department of Pathology, 1113, 3181 S.W. Sam Jackson Park Road, Portland, OR 97201. OHSU is an Affirmative Action/Equal Opportunity Employer.

ANATOMIST: Tenure-track position for qualified anatomist (Ph.D. and/or M.D.) to teach gross anatomy and assist in neuroanatomy or histology laboratories. Research in areas of neurobiology, extracellular matrix or image analysis preferred. Available 1 September 1990 but will remain open until suitable candidate is identified. Salary competitive. Send curriculum vitae and three reference sources to: Wesley W. Parke, Ph.D., Chairman, Department of Anatomy, University of South Dakota School of Medicine, Vermillion, SD 57069. Affirmative Action/Equal Opportunity Employer.

ASSISTANT PROFESSOR OF BIOLOGY

Biology: beginning fall semester 1990. Instructor/assistant professor in general biology and anatomy and physiology. Appointment is for 1 year, but candidate may apply for tenure-track position available the following year. Arkansas College is a selective, church-related college located in Batesville, a community of 10,000. The college has 850 students, an 11-to-1 student/faculty ratio, a top-notch endowment, and a demanding core curriculum which includes laboratory sciences and mathematics. Send resume and names and telephone numbers of three references to: Dr. Jerry B. McPherson, Chairman, Biology Search Committee, Arkansas College, Batesville, AR 72503. Deadline: 27 July 1990 or until position is filled. Affirmative Action/Equal Opportunity Employer.

BIOLOGY, ASSISTANT PROFESSOR. Tenure track. To teach undergraduate and graduate courses in botany and general biology and to conduct research appropriate to undergraduate and master's level students. Botanist with specialization in plant systematics and/or plant physiology and Ph.D. required. Send letter of application, résumé, and three letters of recommendation to: Dr. W. Leon J. Gorski, Chairman, Biology Department, Central Connecticut State University (CSCU), New Britain, CT 06050. Send letter of interest by 31 March 1990. CSCU is an Affirmative Action/Equal Opportunity Employer.

MOLECULAR BIOLOGIST

PACIFIC NORTHWEST RESEARCH FOUNDATION

Applications are invited for a research staff position at the ASSISTANT, ASSOCIATE, OR PROFESSOR level in a multidisciplinary research laboratory. Housed in a new 45,000-square-foot facility in scenic Seattle, research programs include the study of genetics, toxicology, and biochemistry, with more specific programs in AIDS and cancer research. Candidates must have demonstrated excellence in research ability in dynamic areas of molecular biology with an independent research program as well as a record of peer-reviewed grants and research publications. Preference will be given to individuals who have expertise in one or more disciplines of molecular biology, and more specifically that related to cancer and/or genetic disorders. The Pacific Northwest Research Foundation has established an environment of stimulating research opportunities. Applications are encouraged from qualified individuals who are interested in developing an active research program and wish to share the resources of the Pacific Northwest Research Foundation.


POSITIONS OPEN

ASSISTANT PROFESSOR

UNIVERSITY OF WISCONSIN-MADISON

The Department of Dairy Science is searching for a REPRODUCTION BIOLOGIST. This is a 70% research, 30% teaching position. It is expected that the incumbent will develop an innovative independent program of research addressing applications of reproductive biology in cattle using state-of-the-art approaches in either molecular or cellular biology, or physiology, or in the integration of these programs in interdisciplinary joint research projects and the Endocrinology-Reproductive Physiology Program is desired. Contributions to the department's function by interpreting new research and advances and applications in biotechnology are expected. Instructional efforts will involve the supervision of graduate and undergraduate students and participation in undergraduate and graduate reproduction courses, as well as responsibility for a reproductive management course for farm and industry short courses. Applications will be accepted until 15 August 1990 or until position is filled. Send a resume, transcripts of all university work, a statement of research goals in this position, and three letters of reference to: Dr. Robert D. Brelme, Chair, Search Committee, Department of Dairy Science, 580 Animal Science Building University of Wisconsin Madison, WI 53706

HARVARD UNIVERSITY

ASSISTANT PROFESSOR

DEPARTMENT OF APPLIED CONSERVATION BIOLOGY

The Department of Cellular and Developmental Biology intends to make an appointment at the assistant professor level effective September 1992. Our department covers a broad range of biology, developmental biology, neurobiology, and molecular genetics. We are seeking outstanding candidates in any of these fields. We are particularly interested in making an appointment in the areas of plant molecular biology, developmental genetics, and protein sorting. However, we will consider exceptional applicants in other fields as well. We strongly encourage applications from women and minority groups. Applicants should include curriculum vitae, reprints of publications, and a statement of present and future research plans. Complete applications and three letters of recommendation, solicited by the applicant, should be received no later than 1 October 1990 by: CDB Search Committee, Cellular and Developmental Biology, Harvard University, 16 Divinity Avenue, Cambridge, MA 02138. Telephone: 617-495-2327. Harvard University is an Affirmative Action/Equal Opportunity Employer.

ASSISTANT PROFESSOR

CONSERVATION BEHAVIOR AND COMMUNITY WELFARE

The University of Michigan's School of Natural Resources is seeking a full-time 9-month, tenure-track position in conservation behavior and community waste reduction at the level of assistant professor. The candidate must have a doctorate in either the biological, physical, or social sciences, demonstrated interest and experience in behavioral aspects of natural resources, and training and experience in waste management and recycling. Candidates must demonstrate research performance and interdisciplinary teaching competence at graduate and undergraduate levels, and must be experienced in developing interdisciplinary programs. Candidates should maintain an active, externally funded research program. Applicants are expected to make scholarly contributions in areas such as waste reduction and recycling, and direct interdisciplinary graduate research. Preference will be given to candidates with demonstrated academic, advisory, or scholarly achievements and who are actively developing new knowledge and management strategies for reduction and recycling in households, communities, and institutional wastes.

Candidates should submit curriculum vitae, list of publications, reprints of publications, and a statement of current and past research experience to: Dr. Paul M. Asgrow, Assistant Professor, School of Natural Resources, 2028 Dana Building, The University of Michigan, Ann Arbor, MI 48109-1153. Telephone: 313-763-1812 by 15 September 1990.

PERSONNEL PLACEMENT 199
GENETIC TRANSFORMATION OF PLANTS

ASSISTANT PROFESSOR. The Department of Plant Pathology and Physiology, Clemson University, announces a tenure-track, 12-month, assistant professor position level to be 75% research, 25% teaching. Research program will be in genetic transformation of crop plants. A Ph.D. in plant pathology/physiology or associated biological science required. Persons with postdoctoral experience in research on transformation or postdoctoral experience in a related area are preferred. Salary and benefits commensurate with qualifications. Salary range is $30,000-$44,000. Applications and three letters of recommendation should be sent to: Dr. J. Dickerson, Department of Plant Pathology and Physiology, Clemson University, Clemson, SC 29634-0377. Telephone: 803-656-3450. Applications will be considered until 1 September 1990. Clemson University is an Equal Opportunity/Affirmative Action Employer.

Applications are invited for a tenure-track, ASSISTANT/ASSOCIATE PROFESSOR position in molecular biology, plant and animal. Applications are invited from tenure-track, 12-month, assistant professor position. Salary and benefits commensurate with qualifications. Salary range is $30,000-$44,000. Applications and three letters of recommendation should be sent to: Dr. J. Dickerson, Department of Plant Pathology and Physiology, Clemson University, Clemson, SC 29634-0377. Telephone: 803-656-3450. Applications will be considered until 1 September 1990. Clemson University is an Equal Opportunity/Affirmative Action Employer.

EVOLUTIONARY BIOLOGIST. The Department of Biological Sciences, a doctoral department of 80 faculty and 80 graduate students, invites applications for a tenure-track position at the ASSISTANT/ASSOCIATE PROFESSOR level to begin as early as 1 January 1991. The position is open to those with Ph.D. or equivalent in evolutionary biology with a strong research program. The applicant will be expected to establish an externally funded research program, advise Ph.D. and M.S. level students, and participate in the instructional program. Applicants with 3 or 4 years postdoctoral experience will be given consideration. Excellent laboratory facilities and strong graduate program. Excellent library facilities. Responsibilities include teaching undergraduate and graduate courses, maintaining a research program, and directing Ph.D. theses. The successful candidate will be expected to participate in professional and graduate student training, and to publish research results. Applications must address all three areas of recommendation sent to: Dr. John M. Bowen, Chair, Department of Biological Sciences, University of Arizona, Tucson, AZ 85721. The University of Arizona is an Equal Employment Opportunity Institution.

IMMUNOLOGIST UNIVERSITY OF CALIFORNIA, IRVINE

Tenure-track position at the level of ASSISTANT PROFESSOR to begin in 1990–1991. The Department of Molecular Biology and Biochemistry at the University of California, Irvine, is seeking qualified candidates in immunology. Research interests include the following: immune regulation and control in host-antigen or host-tumor interaction. Applicants will be required to teach in areas of immunology and cell biology. Please submit curriculum vitae, bibliography, and references. The deadline for applications is 15 May 1990. Review of applications will begin 1 September 1990. Applications and three letters of recommendation should be sent to: Department of Molecular Biology and Biochemistry, University of California, Irvine, Irvine, CA 92717. The University of California, Irvine, is an Affirmative Action/Equal Opportunity Employer.

PERMANENT TRACK (ASSISTANT/ASSOCIATE PROFESSOR) Position in developmental immunology and/or immunological aspects of hematopoiesis. Successful applicants will be expected to develop an independent research program and to participate in the immunology program. Applicants must have a Ph.D. in immunology or an equivalent degree and at least 3 years of postdoctoral experience. The successful candidate will be expected to establish an externally funded research program, advise Ph.D. and M.S. level students, and participate in the instructional program. Applications from all qualified immunologists are invited. Excellent laboratory facilities and strong graduate program. Excellent library facilities. Responsibilities include teaching undergraduate and graduate courses, maintaining a research program, and directing Ph.D. theses. The successful candidate will be expected to participate in professional and graduate student training, and to publish research results. Applications must address all three areas of recommendation sent to: Dr. John M. Bowen, Chair, Department of Biological Sciences, University of Arizona, Tucson, AZ 85721. The University of Arizona is an Equal Employment Opportunity Institution.

VISITING PROFESSOR OF BIOLOGY UNITED STATES AIR FORCE ACADEMY

The Department of Biology, USAF Academy, Colorado Springs, invites nominations and applications for a visiting professor position. The Department will be seeking applicants for a visiting professor of biology position. Applicants must have a Ph.D. in an area of biology and must have strong research credentials. Salary will be commensurate with qualifications. Salary range is $20,000-$25,000. Applications and three letters of recommendation should be sent to: Dr. S. McCormick, Plant Gene Expression Center, 800 Buchanan Street, Albany, CA 94710. The University of Arizona is an Equal Opportunity/Affirmative Action Institution.

ASSISTANT PROFESSOR OF ANATOMY

Position available 1 January 1991. Primary responsibility is teaching in human anatomy/physiology, histology, and neuroanatomy with minimum of 2 years of teaching experience required in these clinical areas. Preference will be given to candidates with Ph.D. or M.D. in anatomy. Minimum of 2 years of experience in research in anatomy areas. Annual salary minimum of $33,000. Applications and three letters of reference by 30 August 1990 to: Mr. Bernie Childston, P.O. Box 94600, Lincoln, NE 68509. Review of applications will begin 15 August 1990. The University of Nebraska is an Equal Opportunity/Affirmative Action Institution.

ASSISTANT OR ASSOCIATE PROFESSOR PLANT VIRUS DISEASES

The University of Arizona invites applications for a tenure-track assistant or associate professor position with research (75%) and teaching (25%) responsibilities. The position is available 1 July 1991. The successful applicant will be expected to develop a strong research program in plant virology. The specific area is unrestricted. Appropriate areas of research include marine virus and disease. The position will be one of several focusing research on the molecular and ecological mechanisms which will eventually be applied to reducing losses to plant virus diseases. Applicants should have a Ph.D. or M.D. degree or equivalent and a strong record of independent research utilizing a cellular or biophysical approach. Applications should be addressed to: Dr. Stephen A. Krenn, Department of Biological Sciences, University of Arizona, Tucson, AZ 85721. The University of Arizona is an Affirmative Action/Equal Opportunity Institution.

TENURE-TRACK POSITION INDIANA UNIVERSITY...
Postdoctoral Research Fellowships

The PARKE-DAVIS Pharmaceutical Research Division of Warner-Lambert has initiated a multidisciplinary postdoctoral research program which will provide exciting opportunities to conduct basic studies in areas of potential therapeutic utility. The following Fellowships are currently available in the Pathology and Experimental Toxicology Department:

Immunotoxicology (Fellowship V)
The Fellow will characterize peripheral blood lymphocytes from various species. These studies will include the use of in-vivo and in-vitro techniques, including cell purification, foreign cell recognition, lymphokine production and time course monitoring, to define the activity of cluster-designated (CD) lymphocyte subpopulations. The project will also include application of these findings in the assessment of candidate drugs.

Applicants should have a Ph.D. in immunology, toxicology, or a related field, with experience in flow cytometry and primary cell culture techniques.

Mechanisms of Endocrine Toxicity (Fellowship W)
The Fellow will be involved in investigating mechanisms of endocrine toxicity, in particular, relating to the adrenal. Studies will include determination of the biochemical basis for the toxicity, the basis for tissue and species sensitivity and the role metabolism may play in the process. In-vivo and in-vitro approaches will be utilized.

Applicants should possess a Ph.D. in toxicology or a related discipline with experience in biochemical toxicology and endocrinology.

Mechanisms of Cardiovascular Toxicity (Fellowship X)
The Fellow will investigate mechanisms of drug-induced cardiac toxicity and hypertrophy. These studies will involve biochemical and molecular biological approaches including protein chemistry, receptor characterization and gene expression, and morphologic techniques including EM, immunocytochemistry and in-situ hybridization.

Applicants should have a Ph.D. in toxicology, biochemistry or a related field, with experience in the techniques described above.

All appointments are for one year, renewable for a second year. Compensation includes $32,000 annual salary with relocation expenses and an attractive benefits package. Our modern research facilities are located adjacent to the University of Michigan in an outstanding living and working environment.

Send letter of application with curriculum vitae and names of three references to Jack Moyer, Human Resources, PARKE-DAVIS Research Division, Warner-Lambert Company, 2800 Plymouth Road, Ann Arbor, MI 48105. Please indicate the Fellowship you are applying for. "Smoke-Free Work Environment"

"Equal Opportunity in Action"

Research Scientist I
Tumor Biology

We have an immediate opening in the Division of Cell Biology to participate in the antitumor drug development program within the Tumor Biology Section and to provide laboratory support for project compounds in clinical trial. This individual will also identify, develop and implement new and innovative ways to identify antitumor drugs.

Candidates must have a Bachelor's degree in a life science discipline plus two years experience with in vivo antitumor drug evaluation and basic computer skills, OR a Master's degree in a life science discipline with a thesis and some in vivo modeling experience. Other factors to be considered in selection include experience with in vivo antitumor drug evaluation techniques; microisolator cage systems; osmotic (Alza) mini pump implantation; and long-term infusion techniques.

As a valued professional at Burroughs Wellcome Co. you will receive a salary commensurate with your experience and be supported by the highest level of benefits in our industry. If you are interested in working for us, submit your resume, indicating position number in your cover letter by August 13, 1990 to: Burroughs Wellcome Co., Scientific Recruiting and Staffing, Pos. #61993-5, 3030 Cornwallis Road, Research Triangle Park, NC 27709.

For information on other job opportunities with Burroughs Wellcome Co., call our Job Information Line at (919)248-8347 in Research Triangle Park, NC or (919)830-2997 in Greenville, NC.

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Research Scientist I
Tumor Biology

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GREAT COMPANY

Research Scientist I
Tumor Biology

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As a valued professional at Burroughs Wellcome Co. you will receive a salary commensurate with your experience and be supported by the highest level of benefits in our industry. If you are interested in working for us, submit your resume, indicating position number in your cover letter by August 13, 1990 to: Burroughs Wellcome Co., Scientific Recruiting and Staffing, Pos. #61993-5, 3030 Cornwallis Road, Research Triangle Park, NC 27709.

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FACULTY POSITIONS IN CELL BIOLOGY

Tenure-track ASSISTANT/ASSOCIATE PROFESSOR positions available in a Department of Cell Biology. The department currently has strong research programs in cell biology, molecular biology, neurobiology, reproductive biology, and developmental biology; we are seeking candidates who can interact in any of these areas and have potential to develop independent research careers. Hougen has extensive experience in the area of cell biology/histology. Send curriculum vitae and three letters of reference to: Dr. R. D. Estes, Acting Director, Center for Field Research, Earthwatch, P.O. Box 403, Watertown, MA 02172.

UNIVERSITY OF MIAMI SCHOOL OF MEDICINE

FACULTY POSITION IN MOLECULAR PHARMACOLOGY

The Department of Molecular and Cellular Pharmacology at the University of Miami School of Medicine is seeking applications for faculty positions at the ASSISTANT OR ASSOCIATE PROFESSOR level. The position is available now at a rank and salary commensurate with experience. Generous laboratory space and start-up funds are available. Candidates must have a Ph.D. and/or M.D. degree and an established record of research excellence involving molecular approaches to problems of pharmacological interest. The new faculty member will complement existing research efforts in the department, which include regulation of cardiac, smooth, and skeletal muscle contraction; receptors and transmembrane signaling mechanisms; function and development of the nervous system; and regulation of gene expression.

Applications should send curriculum vitae, statement of past and future research interests, and the names and addresses of three references to: Dr. Lincoln T. Potter, Search Committee Chairman, Department of Molecular and Cellular Pharmacology, University of Miami School of Medicine, P.O. Box 016189, Miami, Fl 33101.

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POSITIONS IN GENETICS

The University of Iowa invites applications for two positions in genetics.

Online 1- to 2-year VISITING FACULTY POSITION (all ranks considered) to be filled by a geneticist who would be responsible for teaching a one-semester undergraduate laboratory course in genetics each year. Facilities would be provided to allow the visitor to pursue his/her own research as desired. Appointment will be effective no later than 1 December 1990.

A TENURE-TRACK APPOINTMENT (effective 15 August 1991) of a highly qualified geneticist (research area open) who is capable of and interested in teaching an undergraduate laboratory course based primarily on the genetics of a multicellular organism(s). It is expected that this appointment will be at the ASSISTANT PROFESSOR level, but more senior applicants will also be considered.

Please send curriculum vitae and names of three references to: Genetics Search Committee, Biology Department, University of Iowa, Iowa City, IA 52242.

The University of Iowa is an Affirmative Action/Equal Opportunity Employer.

MATHEMATICIAN (APPLIED). Conceive and develop mathematical models to describe and predict movements of major economic factors. Advise research personnel concerning mathematical methods applicable to the modeling of economic and market phenomena, including stochastic control theory, to research experimental system designs and parameter estimation techniques. Analyze and interpret data from investment programs. Requirements: Ph.D. in applied mathematics or statistics; 2 years of experience in job or in research of comparable level. Salary $30,000 per year; 7 a.m. to 4 p.m., Monday to Friday. Job and interview at Walnut Creek, California. Send resume and a copy of this ad by 4 August 1990 to: Allied Calvion, 16842 Vallev, P.O. Box 9560, Sacramento, Ca 95823-0560.

X-RAY CRYSTALLOGRAPHER

University of California, Irvine

The Department of Molecular Biology and Biochemistry at the University of California, Irvine, is establishing positions at the ASSOCIATE or FULL PROFESSOR level. The Department of Biological Sciences has established a long-term goal of establishing a structural biology program with the School of Physical Sciences and the School of Medicine. Please submit curriculum vitae, bibliography, representative publications, a description of current research, and three letters of recommendation to:

Structural Biology Search Committee
Department of Molecular Biology and Biochemistry
University of California, Irvine
Irvine, CA 92717

The deadline for applications is 31 September 1990.

The University of California, Irvine, is an Affirmative Action/Equal Opportunity Employer.

TENURE FACULTY POSITIONS

The Department of Molecular Pathology, University of Texas M. D. Anderson Cancer Center, invites applications for tenure-track/tenure positions at the ASSISTANT/ASSOCIATE PROFESSOR levels. The M. D. Anderson Cancer Center, an internationally renowned research institution located in the heart of the city in southwest Houston together with two medical schools, a graduate school, and several other internationally recognized biomedical facilities, has a Ph.D., M.D., or Ph.D./M.D. degree and have at least 3 years of postdoctoral research training. Associate professor candidates should have an established research program. Strong preference will be given to candidates having interest, experience, and skills in the areas of basic cancer research or related areas. Successful candidates will develop/maintain productive independent research programs and have the opportunity to participate in graduate student training programs. Salaries/benefits and research start-up support are nationally competitive. Submit curriculum vitae, description of research interests, and names of three referees to: Dr. Ralph B. Arlinghaus, Chairman, Department of Molecular Pathology (Box 89), The University of Texas, M. D. Anderson Cancer Center, 1515 Holcombe Boulevard, Houston, TX 77030. Equal Opportunity/Affirmative Action Employer.

Ralph Bean

Chief of Staff

MAJ. J. R. GROVES, USAF

Director, Office of Civilian Personnel Management

AIR FORCE

Office of Civilian Personnel Management
POSITIONS OPEN

FACULTY MEMBER
FOREST ECONOMICS/FOREST MANAGEMENT

The School of Forestry, Wildlife, and Fisheries seeks applicants for a full-time, tenure-track faculty member (salary and rank negotiable) in forest economics/forest management. Responsibilities include the development of a strong research program and participation in undergraduate and graduate teaching. Qualifications include Ph.D. in forest economics/forest management and related area. B.S. in forestry, experience with forestry industry, and interest in particular in an executive management program with the College of Business are preferred. Salary is competitive and excellent benefits are available.

Applicants should send a current résumé, academic transcripts, and three letters of reference to: Stanley B. Carpenter, Director, School of Forestry, Wildlife, and Fisheries, Louisiana State University, Baton Rouge, LA 70803 before 3 August 1990. Telephone: 504-388-4131.

Louisiana State University and the Louisiana Agricultural Experiment Station are Equal Opportunity/Affirmative Action Employers.

THREE JUNIOR FACULTY POSITIONS
CELLULAR and MOLECULAR PHYSIOLOGY

Applications are solicited for three (3) tenure-track positions at the rank of ASSISTANT OR ASSOCIATE PROFESSOR (term appointments) in the Department of Cellular and Molecular Physiology, Yale University School of Medicine. Candidates must hold an M.D., Ph.D., or equivalent degree and have experience and interest in physiology at the cellular and/or molecular level. We are especially interested in candidates with experience in the areas of neuroscience, membrane biology, and signal transduction. Opportunities are available for both collaborative and independent research as well as for graduate and medical student teaching. The qualified women and minority group members are encouraged to apply. Complete curriculum vitae, a statement of research interests and goals, and three (3) letters of reference should be sent by 1 September 1990 to: Walter F. Boron, M.D., Ph.D., Chairman, Department of Cellular and Molecular Physiology, 333 Cedar Street, P.O. Box 3333, New Haven, CT 06510.

Yale University is an Affirmative Action/Equal Opportunity Employer.

HUMAN MOLECULAR BIOLOGY and CYTOGENETICS. The new Division of Human Genetics and Molecular Biology, Hahnemann University in Philadelphia, is seeking qualified staff for positions at the level of POSTDOCTORATE, SENIOR INSTRUCTOR, and ASSISTANT PROFESSOR with expertise either in molecular biology, protein biochemistry, or molecular cytogenetics. Research includes identification and characterization of novel oncogenes and their role in the pathogenesis of human cancer. Candidates should have a Ph.D. and/or M.D. Positions in molecular diagnostics and cancer cytogenetics are also available. A B.S. or M.S. in the biomedical sciences is required, with experience in Southern blotting and molecular hybridization techniques or in human cancer cytogenetic techniques. Positions and salary are commensurate with experience. Forward curriculum vitae, professional interests, and names of references to: Jorge Yunis, M.D., Vice Chairman, Department of Neoplastic Diseases, Hahnemann University, Mail Stop 412, Philadelphia, PA 19102. Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL ASSOCIATE, NEUROBEHAVIORAL PHARMACOLOGY. Position available for research on opiate drugs in rodents and small primates. Behavioral assays are used to study drug-receptor interactions relevant to tolerance, dependence, and potential for abuse. Requires recent Ph.D. in pharmacology or related basic science or psychology. Send curriculum vitae, names of three references, and brief statement of interests to: Stephen G. Holtzman, Ph.D., Department of Pharmacology, Emory University School of Medicine, Atlanta, GA 30322. Emory University is an Equal Opportunity/Affirmative Action Employer.

13 JULY 1990

FACULTY POSITION

THE OHIO STATE UNIVERSITY

PROTEIN CRYSTALLOGRAPHER. The Department of Biochemistry and the Biotechnology Center at The Ohio State University, Columbus, invite applications for a joint tenure track faculty position in the area of macromolecular x-ray crystallography. The appointment is planned at the Assistant Professor level, but candidates with outstanding records will be considered for appointment at the Associate Professor level. All applicants are expected to have significant research experience and demonstrated excellence in their field. The successful candidate will be expected to develop a vigorous independent research program and participate in teaching undergraduate and graduate courses. Macromolecular structure is one of the areas chosen for development as part of a campus wide effort and OSU has made a major commitment to establish an outstanding program in macromolecular crystallography. The candidate will join the macromolecular structure group in the newly remodeled space in the Biotechnology Center. Highly competitive start-up funds and salary will be provided. Access to modern diffraction facilities and the Cray Y-MP supercomputer will be available.

Applicants should submit a curriculum vitae, list of publications, statement of research interests and plans, and names and addresses of three references to: Dr. M. Sundaralingham, Chairperson, Macromolecular Crystallography Search Committee, Biotechnology Center, Rightmire Hall, 1060 Carmack Road, The Ohio State University, Columbus, OH 43210-1002. Screening will start September 15, 1990. Ohio State University is an Equal Opportunity/Affirmative Action Employer.

THE OHIO STATE UNIVERSITY

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13 JULY 1990
Oral Pathology, Biology and Diagnostic Sciences

The University of Medicine and Dentistry-New Jersey Dental School invites applications for full-time tenure-track position of Chair, Department of Oral Pathology, Biology and Diagnostic Sciences. Candidate should be qualified for a senior academic appointment and show evidence of clinical expertise, basic research activity, teaching and patient care. This academic leader should also demonstrate evidence of excellence in the areas of oral pathology, oral biology and/or diagnostic sciences. Substantial administrative and teaching experience in undergraduate and postgraduate dental education, as well as national and international recognition for outstanding contributions in these areas is desirable. The applicant would be encouraged to continue active research and contribute to existing projects. Salary is competitive and commensurate with previous experience.

The candidate must have a DDS/MD from a dental school accredited by the American Dental Association. Board certification, an advanced degree in a related basic science and/or advanced training in a clinical discipline is strongly preferred. Qualified applicants should submit a C.V. to: Dr. Patricia A. Murray, Chair, Search Committee for the Chair of Oral Pathology, Oral Biology and Diagnostic Science, Department of Periodontics, UMDNJ-New Jersey Dental School, 110 Bergen St., Newark, NJ 07103-2425. Deadline for applications is October 1, 1990. The UMDNJ is an Affirmative Action/Equal Employment Opportunity Employer, m/f/h/v, and a member of the University Health System of New Jersey.

Mammalian Transformation

Agracetus, a biotechnology company owned by W.R. Grace & Co., is seeking highly motivated individuals to join an active genetic engineering program directed toward genetic modification of plants and animals.

Research Assistants

Candidates should have a B.S. or M.S. degree with demonstrated capabilities in one or more of the following areas: construction and use of mammalian gene expression vectors, molecular biology, immunology, analysis of gene expression in transplanted mammalian cells or transgenic animals. Experience in cell biology, cell culture manipulations, tissue extractions and biochemical assays is highly desirable.

Research Scientists

Candidates should hold a Ph.D. degree and must have demonstrated technical experience in mammalian gene transfer and expression, retroviral vector construction and utilization, or related areas of research. Relevant post-doctoral experience or additional background expertise in somatic cell and biochemical genetics is also desirable. Agracetus offers a competitive salary and a comprehensive benefits package. Our research complex, located near the University of Wisconsin in Madison, provides an ideal setting for both career and lifestyle enhancement. Send resume to: Personnel Department, Agracetus, 8250 University Green, Middleton, WI 53562. We are an Equal Opportunity Employer.

VETERINARY PROGRAM COORDINATOR

Animal Science Research Department
Woodbridge, NJ

This position supports staff veterinarians in the planning, execution and control of administrative functions required in the clinical study programs. While the focus of the position will be on biostatistical work, you will also be involved in trial data auditing and the development of study reports.

An M.S. degree in Statistics (or a closely related discipline, such as Biometry, Biostatistics, etc.) and a minimum of 3 years' biostatistics experience in the life sciences or animal health disciplines is required. Good verbal and written communications skills are essential.

Merck Research Laboratories are located in Woodbridge, NJ (approx. 30 miles from NYC). Merck offers outstanding benefits and a competitive salary commensurate with experience. Interested candidates should submit their Curriculum Vitae with the names of (3) references and salary requirements to Human Resources Manager, Merck Sharp & Dohme Research Laboratories, P.O. Box 2000, WBB-382, Rahway, New Jersey 07065. We are an EO/AA Employer.

THE UNIVERSITY OF ADELAIDE, SOUTH AUSTRALIA invites applications from both women and men for a TENUREABLE LECTURESHIP available immediately in the DEPARTMENT OF MICROBIOLOGY AND IMMUNOLOGY. The Department teaches Science and Medical undergraduate and postgraduate students and has an excellent research record in studying infectious agents and the diseases they cause. Current research areas include the pathogenesis of and immunological responses induced by a number of enteric bacterial, protozoan and persistent virus infections. The Department has particular strength in molecular biology, monoclonal antibody technology, immunochromatography, enteric infections. Opportunities also exist for collaboration with relevant research groups in the adjacent Institute of Medical and Veterinary Science and Royal Adelaide Hospital. Applicants should hold a Ph.D. degree or equivalent with appropriate teaching ability and experience and should have a significant track record in research within the field of Immunology. Duties of the appointee will include lecturing, primarily to undergraduate Science students, supervision of research work of postgraduates, and sole responsibility for some of the teaching programs and administrative tasks of the Department. Preference will be given to applicants providing evidence of ability to develop active research interests in areas which would add to or complement existing research interests of the Department. Further information may be obtained from Professor Chris Burrell, Head of the Department of Microbiology and Immunology. Annual Salary: A$33,163 × 7–A$43,096 plus para-clinical loading of A$8,049. It is University policy to encourage women to apply for consideration for appointment to tenureable academic appointments. Holders of full-time tenured or tenureable academic appointments have the opportunity to take leave without pay on a half-time basis for a specific period of up to ten years where this is necessary for the care of children.

APPLICATIONS IN DUPLICATE quoting reference number 1725, giving personal particulars (including whether candidates hold Australian permanent residency status), resume and names and addresses of three referees should reach the Director, Personnel Services, University of Adelaide GPO Box 498, Adelaide, South Australia 5001, Australia, Telex UNIVAD AA 89141, Facsimile (08) 224 0644 not later than 16 August 1990. From 1 January 1991 Roseworthy Agricultural College will merge with the University of Adelaide. THE UNIVERSITY IS AN EQUAL OPPORTUNITY EMPLOYER.

FACULTY POSITIONS IN CELLULAR & MOLECULAR PHYSIOLOGY

The Department of Cellular and Molecular Physiology of The Pennsylvania State University. College of Medicine is seeking applications for two full-time, tenure-track positions at the Associate/Associate Professor rank to begin in Winter or Spring 1991. The Department presently has twelve full-time, well-funded faculty, who are working in the general area of cellular and molecular physiology.

We are seeking candidates with substantial postdoctoral experience in applying Molecular Biology and recombinant DNA techniques to one or more of the following areas: metabolic regulation, mechanisms of hormone action, membrane receptors, cytoskeletal-membrane interactions, intracellular membrane trafficking, signal transduction, ion channels, control of growth and differentiation, and regulation of expression of eukaryotic genes. Special attention will be given to candidates who are able to relate molecular concepts and information to the cell and tissue levels of the organism.

Significant research accomplishment and ability to obtain independent funding are essential. Excellent opportunities exist for research collaboration, teaching in a medical school curriculum, and participation in one or more graduate programs. Competitive salaries and start-up funding are available.

Applicants should submit, prior to October 31, 1990, a curriculum vitae, reprints, statement of current and planned research interests, and letters from at least three references to:

Dr. Leonard S. Jefferson, Chairman, Department of Cellular and Molecular Physiology
College of Medicine
The Pennsylvania State University
P.O. Box 850
Hershey, PA 17033

GLAXO INSTITUTE FOR MOLECULAR BIOLOGY

The Geneva molecular biology research institute of one of the world's most successful healthcare groups is recruiting a

CELLULAR NEUROBIOLOGIST

The successful candidate will join a highly motivated team of 30 molecular and cellular biologists and biochemists studying the structure/activity relationships of neurotransmitter receptors, and factors involved in nerve cell proliferation and differentiation.

The candidate is expected to have a PhD, and several years of postdoctoral research experience in neuro-cell biology with, if possible, experience in cell line immortalization. The candidate's experience should be demonstrated by a significant list of publications.

The Glaxo Institute for Molecular Biology carries out long term research to support the company-wide effort to discover effective new medicines. It provides a dynamic research environment, and encourages the publication of scientific results as well as collaborative projects with academic groups.

We offer an excellent salary and benefits package and opportunities for career development in one of the most attractive parts of Europe.

If you are interested in this position, please send your Curriculum Vitae with a list of publications and the names of three referees to: Rita Gloor, Personnel Manager, GLAXO IMB S.A., 46, route des Acacias, 1211 Geneva 24, Switzerland.

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ICRISAT, with headquarters in Patancheru, Andhra Pradesh, India, seeks an exceptional scientist, administrator, and manager to lead international staff — representing 31 nationalities — as Director General, at multi-faceted research institute with centers also located in Niger and Zimbabwe. Candidates must demonstrate:

* Exceptional leadership skills, vision, and managerial competence;
* Experience, preferably in semi-arid tropics, and superior qualifications as agricultural scientist, and administrator of scientific research;
* Proficiency in English and French

POSTDOCTORAL POSITION. Position open to investigate molecular mechanisms of carcinogenesis. Experience in cellular and molecular biology required. Please send a description of current and past research activities and a curriculum vitae, and three letters of reference to: Dr. Thomas J. Slaga, The University of Texas (UT) M. D. Anderson Cancer Center, P.O. Box 389, Smithville, TX 78957. M. D. Anderson is an Equal Opportunity/Affirmative Action Employer and a smoke-free workplace.

MOLECULAR PARASITOLOGY

POSTDOCTORAL POSITION. Immediate opening for postdoctoral fellow with strong background in molecular biology to identify, clone, and express surface antigen genes from pre-erythrocytic stages of malaria as part of a large, multidisciplinary vaccine development program. Send curriculum vitae and names of three references to: Dr. Stephen L. Hoffman, Naval Medical Research Institute, 12300 Washington Avenue, Rockville, MD 20852. An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION. In auditory neurophysiology, available immediately for up to 1 year. Research involves recording and interpreting single unit and compound responses from the auditory system in a multidisciplinary, high-intensity coding which includes integrated physiological, psychoacoustic, and anatomical projects in audition and vibration. Please send current curriculum vitae and three letters of recommendation to: Dr. Robert L. Smith, Associate Director, Institute for Sensory Research, Syracuse University, Syracuse NY 13244-5290. Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL/LECTURER POSITION. Available 1 September 1990 for 2 to 3 years, Ph.D. preferred. Research area open, though some interest and experience in comparative anatomy and evolutionary biology is preferred. The Department of Cell, Molecular, and Structural (CMS) Biology at Northwestern University's Medical and Dental Schools is composed of a large and diverse group of investigators working in all areas of biology with a strong emphasis on modern, structural, cellular, developmental, and evolutionary biology. The successful candidate will serve as coordinator for a course in histology for dental students. Please send curriculum vitae, names of references, and statement of research interests by 1 August 1990 to: Postdoctoral Search Committee, Department of CMS Biology, Northwestern University, 303 East Chicago Avenue, Chicago, IL 60611.

Northwestern University is an Equal Opportunity/Affirmative Action Educator and Employer and invites applications from all qualified individuals. Applications from women and minorities are especially sought.

POSTDOCTORAL POSITIONS. Fully funded positions are available immediately to study the molecular biology and function of transmembrane glycoproteins and cell-surface glycoconjugates [see Mol. Cell. Biol., 9, 2370 (1989); J. Cell. Biol., 110, 461 (1990)]. Studies include intracellular sorting of membrane glycoproteins and consequences of altering cell-surface glycosyltransferase expression on cell-cell and cell-matrix interactions. Experience in molecular biology is essential. The M. D. Anderson Cancer Center is located within the Texas Medical Center, which also includes the University of Texas Health Science Center and Baylor College of Medicine. There is a large and highly interdisciplinary group of cell, molecular, and developmental biologists within the medical center. Send curriculum vitae and names and addresses of three references to: Dr. Barry D. Shair, Department of Biochemistry and Molecular Biology, Box 117, M. D. Anderson Cancer Center, 1518 Holcombe Boulevard, Houston, TX 77030. The University of Texas M. D. Anderson Cancer Center is an Equal Opportunity/Affirmative Action Employer and is a smoke-free environment.

POSTDOCTORAL POSITION. Available June 1991 for Ph.D. to study human neutrophil activation. Active areas of investigation include: (i) intracellular second messengers, (ii) membrane fusion, (iii) protein kinases, (iv) signal transduction in cell-biology, cell biology, immunology, or cell physiology preferred. Send curriculum vitae and names or letters of reference to: Dr. Laurence A. Boxer, University of Michigan Medical Center, Department of Pediatrics, Hematology/Oncology, F6615 Mott Hospital, Ann Arbor, MI 48109-2085. The University of Michigan is an Equal Opportunity/Affirmative Action Employer.

TWO POSTDOCTORAL POSITIONS. To study molecular biology and biochemistry of (i) cytochrome P450 enzymes in insects and (ii) neuroendocrine control of juvenile hormone biosynthesis. Experience in molecular biology, biochemistry, or insect endocrinology is desirable. Send curriculum vitae and names of three references to: Dr. B. R. Fournier, Department of Entomology, Oregon State University, Corvallis, OR 97331–2907.

OSU is an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITION. To study biosynthesis and translocation of dolichol-linked oligosaccharides in mammalian cells using genetic and biochemical approaches. See J. Biol. Chem. 263, 19796; 264, 1584; 265, 2296; and in press August to September. Send curriculum vitae and three letters of recommendation to: Dr. Mark A. Lehrman, Department of Pharmacology, University of Texas Southwestern Medical Center, 5323 Harry Hines Boulevard, Dallas, TX 75235. Equal Opportunity University.

POSTDOCTORAL POSITION. Available immediately to study adenosine transcription control. Background in molecular biology and animal virus and cell culture preferred. Send curriculum vitae, statement of research interests, and names of three references to: Dr. David J. Spector, Department of Microbiology and Immunology, Pennsylvania State College of Medicine, Heshley, PA 17033. An Affirmative Action/Equal Opportunity Employer. Women and minorities are encouraged to apply.

POSTDOCTORAL POSITIONS. Ph.D. biochemistry/immunology with 0 to 3 years of experience. Experience in protein purification, monoclonal antibody, cell culture, and molecular biology techniques is desirable but not necessary. Two positions are available immediately involving: (i) Structure and function of cell-surface glycoconjugates. Research involves isolation and functional characterization of Fc receptors and identification of new receptors. (ii) Cell biology of antigen presentation and the involvement of class II restricted T cells. Send curriculum vitae and three references to: (i) Dr. Periasamy Selvaraj or (ii) Dr. John P. Gillies, Department of Pediatrics and Laboratory Medicine, Room 777 WMB, Emory University, Atlanta, GA 30322. Emory University is an Equal Opportunity/Affirmative Action Employer.

CELLULAR AND MOLECULAR BIOLOGY THE UNIVERSITY OF IOWA COLLEGE OF MEDICINE One POSTDOCTORAL POSITION is immediately available. The main focus of this laboratory is the study of the structure, function, and regulation of the LH/GHG and FSH receptors (Endocrinology 100, 1899; Science 245, 494 (1989); Mol. Endocrinology 4, 525 (1990)). The research project for this position involves cloning the genomic regulation of the LH/GHG and FSH receptor genes, defining the cis- and trans-acting factors underlying hormonal regulation of these receptor genes. Experience in molecular biology is preferred. Please send curriculum vitae, statement of research interests, and three letters of recommendation to: Dr. Deborah L. Segaloff, Department of Biochemistry and Biophysics Room 6-530 BSB College of Medicine The University of Iowa Iowa City, IA 52242

The University of Iowa is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

POSTDOCTORAL POSITION. Biochemistry of protein prenylation. Available immediately to characterize the enzymes involved in this recently discovered protein modification pathway. Background in protein isolation and analysis and/or enzymology is required. Send resume and names of at least two references to: Professor M. H. Gell, BG-10, University of Washington, Seattle, WA 98195.

POSTDOCTORAL POSITION. Department of Cell Biology, University of Massachusetts Medical Center. A postdoctoral position is immediately available to study several aspects of the biology of transforming growth factor-beta (TGF-beta) family. Current research involves examination of the growth-inhibitory and differentiation inducing effects of TGF-beta on hematopoietic leukemic cells. The laboratory is funded by the American Cancer Society. Interested candidates should send curriculum vitae and three letters of reference to: Ronald A. Ignoffo, Ph.D., Department of Cell Biology, University of Massachusetts Medical Center, 5 Lake Avenue North, Worcester, MA 01655.

POSTDOCTORAL POSITIONS AVAILABLE. The Department of Dermatology, University of Michigan, has openings for the study of growth regulation in human skin. Areas of interest include: receptor tyrosine kinases, growth factor gene regulation, retinoid and steroid receptors, and dermal-epidermal interactions. Ph.D.’s should have experience in molecular and/or cellular biology. M.D.’s desiring molecular biology training are welcome to apply. Send curriculum vitae and two letters of reference to: James T. Elder, M.D., Ph.D., University of Michigan, C560 MSRB II Box 0672, Ann Arbor, MI 48109–0672. An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITIONS LIMNOLOGY/WATER QUALITY

Three individual positions are available in summer-fall 1991 to carry out and continue ongoing monitoring projects at Pyramid Lake, Castle Lake, and Lake Tahoe. Topics include: nutrient cycling, N-fixation, trophic interactions, transformations of dissolved organic matter, and water quality modeling. Salary range is $29,000 to $31,000. Multiyear appointments are available. Send resume, biographies, and a description of research interests to: Dr. Charles R. Goldman, Attention: Post-Doc, Division of Environmental Studies, University of California, Davis, CA 95616. The University of California is an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITIONS

Molecular and cellular biologists are invited to apply for postdoctoral positions in the laboratories of Drs. J. F. Gusella, X. O. Breakefield, and R. L. Martuza [Molecular Neurogenetics Unit, Massachusetts General Hospital (Harvard Medical School)]. Successful candidates will join ongoing research directed at: cloning the genes responsible for inherited neurologic and psychiatric diseases; characterization of the molecular mechanisms of neural tumor formation; and the development of gene transfer and grafting techniques in the mammalian nervous system. Applicants should send curriculum vitae and two letters of recommendation to: Dr. J. F. Gusella, Director, Molecular Neurogenetics Laboratory, Massachusetts General Hospital—East Building 149, 13th Street, Charlestown, MA 02129.

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The Institute for Arthritis and Autoimmunity is the newest of four major research groups located at the Miles Research Center in West Haven, CT, near the Yale University Campus. The Center functions as a major research resource of Bayer AG of West Germany, and its subsidiary, Miles Inc. IAA, is engaged in a major expansion of its staff. Opportunities exist for professionals at both the PhD and BS/MS levels in the following specialties.

**INFLAMMATION — PHD**
The candidate will provide creative in vivo models of acute and chronic inflammation in support of our effort to study the biochemical and cellular events in inflammation. The position requires a PhD with 2+ years of experience in animal models of inflammation. A publication record in biochemistry, immunology, or cellular biology is expected.

**INFLAMMATION — BS/MS**
Positions available for BS/MS to conduct studies to identify and elucidate mediators of inflammation. Applicants must have 2+ years’ experience in biochemistry, pharmacology, or related discipline with demonstrated proficiency in sample preparation and chromatographic or radioscopic techniques. Experience in small animal handling and/or leukocyte biology is highly desirable. Additional experience in characterizing enzymes or receptors or in analyzing inflammatory lipids or peptides would be preferred.

**LEUKOCYTE BIOLOGY — PHD**
A postdoctoral position is available for a recent PhD experienced in microvascular research or the biochemistry of adhesion molecules.

**LEUKOCYTE BIOLOGY — BS/MS**
BS/MS applicants are being sought to examine adhesive interactions at a molecular level. 2-3 years of laboratory experience in immunology, membrane biology, or biochemistry is required. Experience in cell culture, protein purification, and monoclonal antibody development is preferred. Experience in fluorescent-activated cell sorting or molecular biology would be useful.

**CARTILAGE BIOLOGY — BS/MS**
Applicants with a BS and 1-2 years of veterinary technical experience are sought to work in a team studying the pathogenesis of osteoarthritis. Previous experience in anesthesia, sterile surgery, animal handling, tissue collection, histology, and computers is desirable.

These positions offer attractive compensation commensurate with qualifications, generous benefits, and an excellent opportunity for personal growth and professional satisfaction. Resumes including salary history should be forwarded in confidence to: Department CEC, Miles Pharmaceutical, 400 Morgan Lane, West Haven, CT 06516.

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University of Medicine & Dentistry of New Jersey

Robert Wood Johnson Medical School

A FACULTY POSITION (tenure track) at Associate Professor or Professor level in MOLECULAR GENETICS has been established in the Department of Neurology at the University of Medicine & Dentistry of New Jersey-Robert Wood Johnson Medical School in Piscataway/New Brunswick. The Department seeks an experienced Scientist (PhD and/or MD) with a record of research achievement and extramural funding to develop and direct a new Laboratory of Molecular Neurogenetics supported by endowments dedicated to defining the etiology of chronic neurodegenerative disorders, in particular OPC A. The position will be available from October 1990.

Qualified persons are invited to send a CV, a summary of research interests and career goals, and the names of three references to: Roger C. Hyndes, MD, Professor & Chairman, Department of Neurology, UMDNJ-Robert Wood Johnson Medical School, CN-39, New Brunswick, NJ 08903-0019, U.S.A. (Tel. #201-845-7732, Fax #201-418-8041); or William J. Nicklas, PhD, Professor & Director, Division of Laboratory Neuroscience, Department of Neurology, UMDNJ-Robert Wood Johnson Medical School, 675 Hoes Lane, Piscataway, NJ 08854-0133, U.S.A. (Tel. #201-463-4047, Fax #201-463-5296). The UMDNJ is an affirmative action/equal employment opportunity employer, M/F/H/V.

Molecular Biologists

Use your skills in molecular biology in the development/support of new products and technology as part of interactive multi-disciplinary project teams. Research focuses on the development of new proteins for human therapeutic use.

We are looking for BS/MS scientists with 3-5 years laboratory experience in molecular biology and Ph.D. scientists with 0-2 years postdoctoral experience. Skills in a variety of techniques such as DNA/RNA preparation, plasmid construction, sequencing, blot analysis and PCR is essential. Experience with human, bacterial or mamalian expression systems is preferred.

We offer a smoke-free work environment. Employment contingent on the results of a drug-screening test. For consideration, please send your resume along with a cover letter summarizing your qualifications and salary history in confidence to: Baxter Hyland Division, Human Resources, Dept. MS-02, 4501 Colorado Blvd., Los Angeles, CA 90039. An Equal Opportunity Employer.
ENVIRONMENTAL PHYSICIST
Remote Sensing Applications

RESEARCH SCIENTIST/
SENIOR RESEARCH SCIENTIST

Salary Range
A$32,471 to A$47,070

Position No. A3120
Division of Water Resources
Canberra ACT AUSTRALIA

GENERAL: The CSIRO Division of Water Resources conducts research and development into the definition, use and management of Australia’s water resources. A Divisional program of research into the processes which occur in the land phase of the hydrological cycle is a major component of this work. Remote sensing is an essential component in these studies.

PROJECT TOPICS: The Division is well-known nationally and internationally for its research, development and applications in remote sensing and image processing software. There is a commitment to technology transfer and an established commercial partnership with industry through its microBRIAN image processing software system. Current primary research areas involving remote sensing are: (1) land surface and water body classification; (2) water and energy balance in the Murray-Darling Basin; (3) remote sensing in the measurement of evapotranspiration; (4) microBRIAN support and development; and (5) applications, technology transfer and documentation.

THE POSITION: Initially the appointee will join the remote sensing project team as a participant in its overall activities with emphasis on research areas (1), (2) and (3). The position offers an exciting opportunity for a younger scientist to develop research activities in the fields of environmental physics, algorithm development and the remote sensing of environmental parameters. Candidates should have experience in environmental physics, mathematical modelling of natural systems and remote sensing is most desirable.

QUALIFICATIONS: A PhD in Science or related field. Capacity to handle computer systems and skill in scientific programming is essential. Experience and interest in remote sensing and data analysis is desirable.

TENURE: Appointment will be for an indefinite period with Australian Government Superannuation benefits available.

MORE INFORMATION: Duty statements and selection criteria can be obtained from Ms. C. Clydeson, (06) 246 5760, AINS 6 246 5760. Further questions can be addressed to Mr. D. N. Body, phone (06) 246 5732, AINS 6 246 5732, e-mail: david@vaii.csro.au.

APPLICATIONS: Written applications addressing the selection criteria should be submitted within four weeks of this advertisement, quoting the above position number. Applicants should include relevant personal and professional particulars including formal qualifications and experience. Applicants should nominate at least two professional referees and address applications to:

The Chief
CSIRO Division of Water Resources
P.O. Box 1866
Canberra City ACT 2601
Australia

Development Biochemists

Du Pont's Medical Products Department has challenging opportunities for Development Biochemists at their Glasgow site near Wilmington, Delaware.

Successful applicants will have a Ph.D in biochemistry and the interpersonal skills to work as part of integral teams, developing in-vitro diagnostic assays for Du Pont's expanding line of automated clinical instruments. Another necessary attribute is the proven capability to conduct innovative analytical-biochemical research. Although not required, postdoctoral or industrial experience and familiarity with clinical chemistry would be valuable.

Consider a company with a strong reputation for technical innovation that also has concern for both employees and the environment. Consider Du Pont. We offer excellent compensation and benefits and the Wilmington area offers affordable housing and convenience in pursuing a wide range of cultural, educational and recreational activities.

Qualified candidates should email their resumes and references to: Employee Relations Department, Room PSS-0018, Du Pont Company, Wilmington, Delaware 19898.

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MOLECULAR BIOLOGISTS

Requirements include a BS/MS in Molecular Biology, Microbiology, Biochemistry or related science. Candidates should have experience in basic microbiological, viral recombinant DNA techniques. Experience in sequence analysis, site-directed mutagenesis, tissue culture methodologies, including isolation propagation of recombinant viruses are highly desirable.

Explore your exceptional career advantages with Wyeth-Ayerst. We offer a competitive salary, comprehensive company benefits and an innovative environment with top professional colleagues. For confidential consideration, forward your resume with salary requirements to: Wyeth-Ayerst Research, Position #079,085, P.O. Box 8299, Philadelphia, PA 19101. Equal opportunity employer, M/F/H/V responses encouraged.
We're Syva, a subsidiary of Syntex, and a major medical diagnostics company that develops, manufactures and markets products to benefit patients worldwide. We currently have the following positions available:

**SENIOR SCIENTISTS I/II**

We are seeking Senior Scientists to develop methods for rapidly extracting target nucleic acids from clinical samples. Extracted sequences need to be of sufficient purity for direct detection and/or amplification by simple instrumentation. Additional duties include developing methods for capturing the released target polynucleotide on a solid support, washing the support free of background producing material and detection of captured complex. The most important scientific goal will be maximizing sensitivity in a simple, automated format.

Qualified candidates should possess a Ph.D. in biochemistry, molecular biology or related discipline with 2 or more years' postdoctoral experience. Should be skilled in biochemistry of nucleic acid hybridization and interactions of nucleic acids with solid supports. Experience in rapid and simple DNA/RNA extraction protocols from bacterial or viral sources. Extensive experience in nucleic acid manipulation, including amplification, labeling, sequencing and purification.

Syva offers an attractive benefits program that includes a generous relocation package and an incentive bonus plan. For immediate consideration, please send your resume to: Syva, Dept. LM-SR, P.O. Box 10058, Palo Alto, CA 94304. EOE.

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**STAFF SCIENTIST—(Immunologist) Position #051**

The position involves the development of reagents and methods for scale-up and purification of monoclonal antibody fragments produced in E. coli, as well as the development of novel antibodies for the research market. The successful candidate will interact closely with individuals developing Stratagene's lambda bacteriophage monoclonal antibody screening technology. A doctoral degree and at least 5 yrs of post-doctoral experience is required.

**STAFF SCIENTIST—(Cell Biologist) Position #052**

The growth of mammalian cells in culture often depends on poorly defined serum factors. The successful candidate will be asked to lead a research and development program to engineer cell lines to be less dependent on growth factors. Experience with oncogenes, transfection and the regulation of cell proliferation is desired. A doctoral degree and at least 4 yrs of post-doctoral experience is required.

**STAFF SCIENTIST—(Polymer Chemist) Position #053**

Excellent opportunity to perform exciting and useful research leading to products based on synthetic polymers. Multi-disciplinary research experience required in synthetic polymers which relates to biological applications as well as interest in materials useful for electrophoretic separations of nucleic acids and proteins. A doctoral degree and at least 3 yrs of post-doctoral experience is required.

**STAFF SCIENTIST—(Electrophoresis) Position #054**

The position involves the development of new electrophoretic systems for nucleic acids and proteins. We are seeking a creative, intelligent individual with a good understanding of physics, and electrophoretic chemistry, and preferably some knowledge of biochemistry/molecular biology. A doctoral degree and at least 3 yrs of post-doctoral experience is required.

**TECHNICAL SALES REPRESENTATIVES Position #041**

Unique opportunity for qualified individuals to participate in a growing technical sales organization. Candidates should have strong practical experience in molecular biology and a BS or MS degree in molecular biology or related field. Prior sales experience is beneficial, but not required. Technical Representatives will attend an extensive one month training program at our beautiful coastal location in La Jolla, California.

**TECHNICAL SERVICES REPRESENTATIVES Position #042**

Applicants should have a BS degree in Biology and at least 3 yrs of lab experience in molecular biology. Previous customer service experience preferred. Will be responsible for answering technical inquiries related to our product line.

**TECHNICAL WRITER Position #043**

The ideal candidate will have a strong background in science with proven technical writing ability. Desk-Top Publishing knowledge helpful.

Stratagene offers a productive working environment and an excellent salary and benefits package which includes a 401-(K) Retirement Savings Plan. Please direct all inquiries to:

Stratagene
Attn: Human Resources
Job # (listed above)
11099 N. Torrey Pines Rd.
La Jolla, CA 92037
STAFF SCIENTISTS & POSTDOCTORAL FELLOWS

Molecular Biology & Neurobiology

Regeneron Pharmaceuticals, a company dedicated to developing therapeutic agents for degenerative and traumatic neurological diseases, is seeking to apply recent advances in the understanding of neuronal growth and regeneration.

Regeneron offers an exciting, collegial environment in which state-of-the-art molecular skills are brought to bear on outstanding problems in neurobiology and medicine. Key projects focus on the discovery, purification and molecular cloning of novel neurotrophic growth factors, and on the assessment of their biological roles as well as therapeutic potentials using innovative cell culture methods and animal models.

Openings in Molecular and Cell Biology require skills in the areas of:

- Protein Biochemistry
- Mammalian Expression Vectors
- Molecular Genetics
- Monoclonal Antibodies

Positions in Neurobiology require expertise in the areas of:

- Neural Regeneration (PNS/CNS)
- Models of Neuronal Disease

All positions in Neurobiology require a strong neuronanatomical background. Experience with receptor autoradiography and/or in situ hybridization is desirable.

Regeneron's modern facility is located on a 275-acre wooded campus in Westchester County, 20 miles north of Manhattan, near major universities and medical centers. We offer excellent compensation packages, including generous stock options. Suburban Westchester features attractive and affordable housing, outstanding public schools and recreational facilities along with ready access to the cultural and business centers of New York City.

Please forward your resume, in confidence, to: Ms. Carol Deaken, Regeneron Pharmaceuticals, Inc. 777 Old Saw Mill River Road, Tarrytown, NY 10591-6706. Equal opportunity employer.

REGENERON Pharmaceuticals, Inc.

Repligen Corporation is a leader in the application of biotechnology to the healthcare market. We are currently developing an AIDS vaccine, AIDS therapeutic and diagnostic products, cancer therapies, and novel bioprocess reagents. We take pride in the high caliber of our scientific staff and our collaborations with major research institutions and corporate partners in Europe with the United States. The expansion of our effort has created the following opportunity:

Molecular Biology Research Scientist

Our molecular biology department has an opening for a research scientist to participate in the development of retroviral vaccines, therapeutic and related product candidates. Successful candidates will have a Ph.D. and at least two years of postdoctoral experience, be highly motivated and possess a record of accomplishments and strong publications. Experience with many or all of the following are recommended: cloning, site directed mutagenesis, sequencing, gene expression (bacterial and mammalian cell), biochemistry, and protein purification. Experience studying protein structure/function relationships using molecular biology will be helpful but not necessary.

Repligen Corporation offers a competitive salary, excellent benefits, relocation, and equity participation. Please submit a cover letter, resume, and references to: B. Fleming, Repligen Corporation, One Kendall Square, #122, PO Box 9171, Cambridge, MA 02139. An Equal Opportunity Employer.

Postdoctoral Fellow in Neurotoxicology

The Pharmaceutical Research Institute of the Bristol-Myers Squibb Company in Syracuse, NY will offer an annual contract for up to two years to a postdoctoral fellow in Neurotoxicology. This long-term temporary position may well convert to permanent status.

The selected candidate will use animal and in vitro models to conduct studies leading to a better understanding of drug related neuropathy. The environment is excellent for this kind of research, in terms of equipment, laboratory space, and interaction with experienced resident scientists.

To join our Exploratory Toxicology/Cellular/Biochemical Toxicology Group, you must be a PhD experienced in the evaluation of biochemical mechanisms of neurotoxicity. You should have practical background in at least one of the following topics: electrophysiology, neurohistopathology, neuroreceptor binding studies, or related techniques for evaluating functional anomalies of the nervous system. In-depth experience in tissue culture techniques for cells of the mammalian nervous system is highly desirable.

We offer an excellent salary, comprehensive benefits and a working environment conducive to professional growth. For prompt confidential consideration, please forward your resume and two references to: MANAGER OF EMPLOYMENT

BRISTOL-MYERS SQUIBB COMPANY
PHARMACEUTICAL RESEARCH INSTITUTE
P.O. Box 4755, Syracuse, New York 13221-4755
An equal opportunity employer M/F/HV
LIPID BIOCHEMISTRY
POSTDOCTORAL RESEARCH ASSOCIATE

The Lipid Nutrition Laboratory, ARS, Beltsville, Maryland, is seeking a bioanalytical chemist or a nutritional biochemist to join a team investigating effects of dietary lipids on eicosanoid synthesis, especially those affecting atherosclerosis and thrombotic events. Successful candidates will be responsible for developing and validating GC-MS-based quantitative assay systems or conducting research with human and animal models, on effect of formula diets and specific dietary supplement on eicosanoid synthesis. Starting salary is $25,891 (GS-11). Research effort is supported by state-of-the-art instrumentation. For application information/requests contact: Dr. Aldo Ferretti, USDA-ARS, Lipid Nutrition Laboratory, Room 122, Building 308, BARC-East, Beltsville, MD 20705. Telephone: 301-344-2171. Applications in response to this advertisement should be marked OEO11 and must be received by 31 October 1990. ARS is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

POSTDOCTORAL RESEARCH ASSOCIATE
DEPARTMENT OF PHYSIOLOGY AND BIOPHYSICS
UNIVERSITY OF ILLINOIS
AT URBANA-CHAMPAIGN

A Ph.D. with a background in protein chemistry and an interest in reproductive biology is sought to join a laboratory at the University of Illinois investigating hormonal and cellular reproductive effects during pregnancy. Investigation centers around the identification, isolation, and characterization of hormone-induced proteins. Salary: Competitive, dependent upon qualifications. Person to contact: Dr. O. D. Sherwood, Department of Physiology and Biophysics, University of Illinois, 524 Burrill Hall, 407 South Goodwin Avenue, Urbana, IL 61801. Closing date: In order to insure full consideration, applications (curriculum vitae and three letters of reference) must be received by 1 August 1990. Starting date: As soon as possible after closing date. The University of Illinois is an Affirmative Action/Equal Opportunity Employer.

CELL BIOLOGY GROUP
CHILDREN'S HOSPITAL OF LOS ANGELES
UNIVERSITY OF SOUTHERN CALIFORNIA

RESEARCH ASSISTANT PROFESSOR OR RESEARCH ASSOCIATE: Appointment: Biochemist with an interest in molecular biology to work on glutathione synthesis during oxidant stress. Position will have significant independence and responsibilities in the laboratory of Henry Jay Forman, Ph.D., Head, Cell Biology Group. Position has stable (nongrant) support and opportunities for advancement. Submit curriculum vitae and names of references to: Mr. John Bacic, Personnel Officer, Children’s Hospital of Los Angeles, 4650 Sunset Boulevard, Box 48, Los Angeles, CA 90027. Equal Opportunity/Affirmative Action Employer.

RESEARCH ASSOCIATE POSITION: To conduct theoretical physics studies in lattice gas automata and turbulence; for lattice gas research, focusing on applications to atomospheric physics, thermohydrodynamics and multiphase flows, the knowledge of optimized parallel and vector computations, including experience on a VAX or similar machine are required. For lattice gas research, with emphasis on the lattice gas code development for MHD and multidimensional lattice gas kinetic theory; for turbulence, with emphasis on atomospheric physics, thermohydrodynamics and multiphase flows, the knowledge of optimized parallel and vector computations, including experience on a VAX or similar machine are required. Send curriculum vitae, addresses and telephone numbers for three references, and a statement of research and academic goals to: David J. Smith, Ph.D., c/o Richard Robinson, Administrator, Department of Anesthesiology, WVU Health Sciences Center, Morgantown, WV 26506. Applications will be accepted until 30 September 1990. WVU and University Health Associates are Affirmative Action/Equal Opportunity Employers.

RESEARCH ASSOCIATE: To conduct experimental studies in growth and differentiation of prostatic epithelial cells in culture, using modern molecular biology techniques. Experience in manipulations of DNA is desirable. Submit curriculum vitae, references, and a statement of research interests to: Dr. Robert W. Kettenring, Department of Urology, University of Chicago, Chicago, IL 60637. An Affirmative Action/Equal Opportunity Employer.

RESEARCH STATISTICIAN: DEKALB Plant Genetics, a major agronomic company, has an immediate opening in the Statistical Services Group at the corporate office. Candidates should possess a Ph.D. in statistics or related field with some work experience in statistical consulting or in an M.S. with substantial work experience. Experience in experimental design and statistical methods and statistical programming required. Experience with statistical applications in agriculture preferred. Responsibilities include consulting with researchers and management on experimental design and data analysis needs; selection and application of statistical methodology for consulting projects; and providing statistical support for development of new information systems. DEKALB offers a competitive salary and comprehensive benefit package. Interested candidates should submit resume, and salary requirements to: Theresa Brown, Personnel Manager, DEKALB Genetics Corporation, 3100 Sycamore Road, DeKalb, IL 60115. Equal Opportunity Employer, M/F.

POSTDOCTORAL RESEARCH POSITION
POSTGRADUATE RESEARCH PROGRAM IN FOSSIL ENERGY

Opportunities at Department of Energy Technology Centers in Morgantown, West Virginia and Pittsburgh. Research positions are available in the areas of: physical sciences, engineering, and microbiology available. Degree within last 3 years required as is U.S. citizenship or IRA status. Contact: Fossil Energy Postgraduate Program, Science/Engineering Education Division, Oak Ridge Associated Universities, Box 171, Oak Ridge, TN 37831-0117. Telephone: 420-567-3456.

ASSISTANT RESEARCH PROFESSOR: West Virginia University (WVU) Health Sciences Center is recruiting for a faculty position in the Anesthesiology Research Laboratory. Applicants are invited from qualified Ph.D.’s or M.D.’s. The applicant is expected to establish independent studies that will complement current research activity relevant to the basic science of analgesics and pain processing pathways. The successful candidate will also be committed to active collaboration in ongoing research activity within the department. Skills in supervision and training of staff and students is necessary. Joint appointment within an appropriate basic science department is possible. Send curriculum vitae, addresses and telephone numbers for three references, and a statement of research and academic goals to: Dr. Gary J. Smith, M.D., c/o Richard Robinson, Administrator, Department of Anesthesiology, WVU Health Sciences Center, Morgantown, WV 26506. Applications will be accepted until 30 September 1990. WVU and University Health Associates are Affirmative Action/Equal Opportunity Employers.

POST-DOCTORAL POSITIONS
DEPARTMENT OF CELLULAR AND RADIATION ONCOLOGY
THE UNIVERSITY OF CHICAGO

Positions available immediately to study molecular and genetic aspects of cellular growth control. Individuals are expected to interact with other members of the department, as well as other departments in The University of Chicago, while pursuing their independent research. Applicants should be experienced in the basic techniques of molecular biology with an emphasis on recombinant DNA methods.

Send curriculum vitae, letters of reference and a brief letter of research interests and experience to:

Dr. Ralph R. Weichselbaum
Professor and Chairman

THE UNIVERSITY OF CHICAGO
Dept. of Radiation and Cellular Oncology
5841 S. Maryland Ave., Box 442
Chicago, IL 60637

An Affirmative Action Equal Opportunity Employer.

Fellowship in AIDS Research

Program Information

New York University, an NIH-designated Center for AIDS Research, invites applications to a multidisciplinary post-doctoral program for training in basic research related to the immunopathogenic mechanisms underlying HIV infection. Trainees will work collaboratively in at least one of the NIH AIDS Centers or in centers specializing in immunology, retrovirology, molecular biology, anti-viral therapeutics or pediatrics. The program is placed within a multi-institutional setting with labs located at NYU Medical Center, the Aaron Diamond Foundation, Public Health Research Institute, Veterans Administration Medical Centers, and Bellevue Hospital. As many as five fellows will be accepted into this NIH-sponsored program for up to three years of training, beginning July 1, 1990. Women and minority candidates are encouraged to apply.

Eligibility

Individuals with an MD, PhD, or MD/PhD may apply. Candidates must be U.S. citizens or permanent residents.

How to Apply

Candidates should submit a curriculum vitae with a summary of past research experience and should include names of three individuals from whom they have requested letters of recommendation. These applications should be addressed to:

Dr. Susan Zolla-Pazner
Professor of Pathology
New York University
New York University Medical Center, Department of Pathology
550 First Avenue
New York, New York 10016

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ImmuCell Corporation is a young, publicly held company engaged in the development of diagnostics, immunoprophylactics and immunotherapeutics for the animal and human health care industries. The following position is currently available within our research and development group.

Scientist

We are currently seeking a Ph.D. with postdoctoral training in viral immunology and/or vaccine development and microbial pathogenesis. Experience in the characterization of microbial antigens and the immune response are key skill areas. The successful candidate will participate in the development of immunoprophylactic and immunotherapeutic agents for the prevention of infectious diseases.

ImmuCell offers a competitive compensation package that includes potential equity participation, as well as a beautiful coastal New England setting with a unique quality of life. Our entrepreneurial environment provides the opportunity to grow professionally and to attain commensurate recognition and reward.

Please send resume and salary history to: Dr. Joseph Crabb, ImmuCell Corporation, 966 Riverside Street, Portland, Maine 04103.

POSTDOCTORAL POSITION

Peptide Chemistry/Immunology

Applications are invited to join a multidisciplinary team involved with studies directed towards immunotherapy for autoimmune diseases, including arthritis and diabetes. The selected individual will be responsible for:

- Design and synthesis of peptidoglycan-polysaccharide derived peptides and study of their in vitro immunogenicity.
- Study of T cell receptor structure
- Study of molecular mimicry
- Synthesis of specific T cell receptor peptides and analysis of their effects on in vivo immunoregulation

The position will be closed at our state-of-the-art research facility in Research Triangle Park, N.C. For consideration, send your resume and names of references to: Human Resources Department, Job #91417004, Glaxo Inc., P.O. Box 13398, Research Triangle Park, N.C. 27709. (No phone calls or agency referrals, please) An Equal Opportunity Employer M/F/H/V

Important private Medical Research Center in the Paris area, member of one of the leading pharmaceutical companies in France is hiring for its

DEPARTMENT OF CELLULAR AND MOLECULAR BIOLOGY

Two Senior Researchers in Biology/Biochemistry

(PhD. or post-doctoral level)

The successful candidates have a good experience in mRNA isolation, protein purification, Northern and Western blot and are creative and independently working individuals. They are interested in the isolation and characterization of transport proteins or the expression of oncogenes.

Please submit CV to Média-System, 6 impasse des Deux Cousins, 75849 Paris Cedex 17 France. Please quote reference 528 on the envelope.
**POSITIONS OPEN**

**ASSISTANT RESEARCH PHYSIOLOGIST.** Ph.D. in physiology or related field required. Experience in studies of respiratory and cardiovascular structure and function is related to exercise (i.e., quantitative cardiac and respiratory membrane phenomena, muscle metabolism, oxygen consumption, gas exchange kinetics, and acid-base balance). Salary and rank related to established University of Diego, salary schedule, and degree. Apply by 3 August 1990 to: Dr. John West, Division of Physiology, M-023A, University of California, San Diego, La Jolla, CA 92092-0623. Affirmative Action Equal Opportunity Employer.

**BIOCHEMIST, ASSISTANT RESEARCH level position.** A Ph.D. in biochemistry or a closely related field is required. Duties include the study and mechanism of action of lipogenic enzymes. Candidate must have Ph.D. in chemistry or biochemistry, a minimum of 3 years of experience in technical and enzymology (enzyme purification and characterization, kinetic studies, protein chemistry, and amino acid sequencing) and molecular biology (DNA library construction, cloning and screening, DNA sequencing, fermentation, and mutagenesis) and should be able to maintain a small computer network. Salary: $37,500. Send copy of this ad with résumé and names of two references to: Job CR15529, P.O. Box 9560, Sacramento, CA 95823, no later than 28 July 1990.

**RESEARCH SCIENTIST CENTER FOR OSTEOARTHRITIS RESEARCH EDUCATION & DEVELOPMENT.** Seeking a dynamic individual who will provide leadership in osteoarthritic research. A Ph.D. or M.D. degree and familiarity with the neurophysiological foundations of osteoarthritic theory and practice are required for the position. Salary will be expected to establish extramural funding. Applicants should submit curriculum vitae to: Kenneth A. Suarez, Ph.D., Associate Dean for Research, College of Osteopathic Medicine, 555 31st Street, Downers Grove, IL 60515. Telephone: 708-515-6394. Equal Opportunity/Affirmative Action Employer.

**SENIOR ASSOCIATE RESEARCH ENGINEER.** Direct research activities for the design and implementation of in-house capabilities for applying artificial intelligence and machine learning techniques to the diagnostics division of a manufacturer and distributor of pharmaceuticals. Utilizing expert system techniques, control engineering, and statistics/probability theories, identify and direct product-oriented projects such as the development of an expert system which will present, analyze, and interpret data on a real-time basis and a mathematical model-based system to analyze raw data. Supervise appropriate actions. Conduct internal-services and training programs for research scientists and engineers in the development of artificial intelligence and expert system techniques for a wide variety of internal purposes. Minimum requirements: Ph.D. in computer science and engineering. Must have completed one or more of the following: (i) real-time computing systems; (ii) digital control systems; (iii) optimal control; (iv) artificial intelligence; (v) design and analysis of algorithms; (vi) stochastic theories and processes; and (vii) theory of statistics. Ph.D. dissertation must be in field of machine learning. Six months of experience as a graduate teaching assistant. Teaching assistantship must be in a graduate-level course in machine learning and adaptive systems. Forty hours per week, on a 1-2 pm. $45,000 per year. Send résumé with social security number to: Indiana State Employment and Training Services, 10 North Senate Avenue, Indianapolis, IN 46204, Attn: W. F. Shepherd. Identification number: 3180502. An employer-paid ad.

**SENIOR SCIENTIST.** The Salk Institute, Government Services Division, engaged in the production of vaccines in northeastern Pennsylvania, has an opening for an experienced molecular biologist with a Ph.D. in microbiology/biochemistry to organize a laboratory devoted to developing human use vaccines and vaccine-related products. Excellent salary and benefits. Qualified applicants should be familiar with vaccinia virus, including, but not limited to: Director of Personnel, The Salk Institute, Government Services Division, P.O. Box 250, Swifter, PA 18370. Equal Opportunity Employer, M/F/TH/V.

**POSITIONS OPEN**

**RESEARCH TECHNICAL ASSOCIATE.** For college and research neuroscientists, to develop a computer-based multichannel data acquisition and analysis system for studying the structure and function of the nervous system. This position will be responsible for the following activities: (i) imaging processing for neuron images (e.g., edge detection contour enhancement, three-dimensional computer vision, and contour description of pictures in terms of representation of structures); (ii) neural network: organization of natural neural mechanisms and computer programs for their analysis. Must have M.S. in biomedical engineering and a program must be included in one of the following: (i) tissue engineering, (ii) computer vision, (iii) artificial neural networks. Must have the ability and experience of scientific publication(s), employer testimonials, academic transcripts, or letters of reference from academic advisor(s) and/or professor(s) who supervised research thesis work, to develop software for biomedical engineering. Forty hours per week, 8 a.m. to 5 p.m.; $43,000 per year. Must have proof of legal authority to work permanently in the United States. Send resume and course transcripts to: (no calls) to: J. Davies, JO2 128161, Ohio Bureau of Employment Services, P.O. Box 1618, Columbus, OH 43216.

The European Molecular Biology Laboratories (EMBL), an international research institute, has a vacant STAFF SCIENTIST position in the group of Patrick Argos to research theoretical techniques to build protein tertiary models from primary sequences. Methods include analysis of consistent patterns in homologous tertiary structures, energy minimization, molecular dynamics, development of potential functions, and new creative approaches. Computer programming experience is important, Modeled structures include viral proteins. An above-average salary and renewable 3-year contract are offered. Write for an application form, quoting number 90/26, to: EMBL, Personnel Section, Postfach 10 2209, D-6900 Heidelberg, Federal Republic of Germany.

**SENIOR STAFF RESEARCHER.** You will be responsible for screening certain chemical compounds with the purpose of analyzing and assessing the toxicity of certain cell materials, such as lipids and neurotransmitter receptors. Salary: $60,000 per year. Ph.D. in molecular pharmacology plus 5 years of experience in in vitro or in vivo research involving ligand binding at a wide range of receptors such as excitatory amino acid, muscarinic, dopaminergic, adrenergic, peptidergic. Knowledge and experience in the use of second messenger as functional measures of receptor activity; experience in the use of cell culture for both ligand binding and second messenger approaches, knowledge of computer-aided data analysis. Job site and interview: Palo Alto, California. Send this ad and your résumé to: Job EG16265, P.O. Box 9560, Sacramento, CA 95823-0560, no later than 3 August 1990. An Equal Opportunity Employer.

**MEETINGS**

**ADVANCES IN CHEMOTHERAPY OF AIDS-II 13–14 September 1990**

Symposium on recent advances in basic research on development of novel drugs and pharmacologic approaches in the treatment of AIDS. Details and up-to-date research in Department of Pharmacology, University of Alabama at Birmingham, University Station Box 600, Birmingham, AL 35294. Telephone: 205-934-4878 or 205-934-4854. FAX: 205-934-8240

**ANNOUNCEMENTS**

Pharmaceutical group operating on an international level is looking for cooperation with universities and pharmaceutical companies. The group has a need for drugs (growth factors, protease inhibitors, cytokines, or cytokine modulators) that can be used in the treatment of bone and cartilage diseases. Please contact: Box 68, SCIENCE.
The only thing that should come between you and your work.

The New Nikon Optiphot-2 Research Microscope

Beyond the theoretical limit of microscopy lies the performance of the Nikon Optiphot-2. With diffraction-limited, aberration-free Nikon CF optics, and a light path that is free of relay lenses, it introduces a new level of image resolution. The first time you use the Optiphot-2, you'll know it was designed with the researcher in mind.

Optiphot-2 makes it easy to work with low-contrast specimens, epi-fluorescence, ultra-low power objectives, multi- and dual-viewing systems, photomicrography or video microscopy. The powerful 100-watt halogen illuminator provides more than enough light for every application, including ultra-high resolution DIC.

The reversed nosepiece, the large, soft, focusing knobs and the coarse focusing preset provide nearly effortless operation. And for photomicrography, the new Auto-Photo button on the front panel facilitates perfect one-touch color exposures. So, if you're going to let anything get between you and your work, make sure it's the Nikon Optiphot-2.

For more information, contact your local dealer or Nikon Inc., Instrument Group, 623 Stewart Avenue, Garden City, New York 11530. Or call (516) 222-0200.

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The best choice may not be easy. Our free 20-page booklet, Chromatography Solutions for Bioscience, demonstrates that the best material for protein separations depends on several factors. Like the task you want to accomplish. And the type of proteins you're separating.

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