**PERSONNEL PLACEMENT**

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**POSITIONS OPEN**

**MOLECULAR BIOLOGIST**

The Department of Pediatrics of the University of Illinois at Chicago and the Michael Reese Hospital invite applicants for a research appointment with our hemoglobin group. The appointment will be at the rank of RESEARCH ASSISTANT PROFESSOR. Required qualifications include Ph.D. or M.D. degree and experience with DNA cloning and mutagenesis. Contact: George R. Honig, M.D., Ph.D., Professor and Head, Department of Pediatrics (mgt.), 1850 West Street, Chicago, IL 60612. The University of Illinois is an Affirmative Action/Equal Opportunity Employer.

**FACULTY POSITION IN NEPHROLOGY**

The Division of Nephrology, Department of Medicine at the University of Alabama at Birmingham seeks applicants for a tenure earning position at the level of ASSISTANT PROFESSOR. Applicants must have relevant Ph.D. or M.D. degree and at least 3 years of postdoctoral experience with demonstrated success in publications and securing extramural funding. Responsibilities would include expression cloning of the epithelial sodium channel subunits, with special emphasis on human hypertensive diseases such as Liddle's syndrome and low sodium hypertension. Salary competitive, and will be given to those with strong independent research interest.

Send curriculum vitae to: D. G. Warnock, M.D., Director, Division of Nephrology, University of Alabama at Birmingham, Birmingham, AL 35249. FAX: (205) 934-1879. UAB is an Equal Opportunity/Affirmative Action Employer.

**UNIVERSITY OF PITTSBURGH**

**SCHOOL OF MEDICINE**

Tenure-Track Faculty Position in Epithelial Cell Biology

The Renal-Electrolyte Division of the Department of Medicine invites well-qualified individuals to apply for tenure-track positions in basic research in epithelial cell biology. Special interest will be given to individuals engaged in molecular biology of epithelial transport, cell structure, electrophysiology, or biophysics and who have high potential or demonstrated success in obtaining extramural support for their research productivity. Qualifications include a Ph.D. or an M.D. with sufficient postdoctoral research training to permit the successful development at transfer of an independent research program. Rank of appointment (ASSISTANT or ASSOCIATE PROFESSOR) will depend on prior experience. Successful candidates will receive a joint appointment in the Department of Cell Biology and Physiology as well as in Medicine. Contact: Mark Z. Zeliski, M.D., Laboratory of Epithelial Cell Biology, Director, Renal-Electrolyte Division, University of Pittsburgh Department of Medicine, Room 937 Scaife 3580 Terrace Street, Pittsburgh, PA 15261. Telephone: (412) 383-8953-FAX: (412) 647-6222. The University of Pittsburgh is an Equal Opportunity/Affirmative Action Employer.

**THE MIAMI PROJECT SEeks 3 NEW FACULTY IN MOLECULAR BIOLOGY, NEUROANATOMY, MOTOR PHYSIOLOGY**

The Miami Project to Cure Paralysis, a multidisciplinary research effort to develop strategies to improve function after spinal cord injury at the University of Miami School of Medicine invites applications for tenure-track ASSISTANT or ASSOCIATE PROFESSOR positions in (1) Molecular Biology or Biochemistry, with research interests that encompass the role of neurotrophic factors in CNS development, plasticity or regeneration, (2) Neurology, with expertise in neuronal responses to injury, neuronal-tracing methods in vertebrates, and (3) Motor Physiology, emphasizing spinal and supraspinal control of vertebrate locomotion function, and/or neuronal mechanisms of injury-induced motor dysfunction. Primary appointments will be in the appropriate clinical or basic science departments. Successful candidates will be part of a successful research program. Excellent collaborative opportunities exist. Send curriculum vitae, statement of research interests and three recent letters of recommendation to: Richard P. Bunge, Scientific Director, The Miami Project to Cure Paralysis, 1600 N.W. 10th Avenue (R-48), Miami, FL 33136-3484. The University of Miami is an Equal Opportunity Employer.

**BIOLoGY.** (Search continued.) Faculty position available January 1995 for ASSISTANT PROFESSOR (tenure-track). Ph.D. required. We seek a candidate who will demonstrate strong, dynamic teaching skills and will develop an active research program. Teaching responsibilities will include animal physiology, an upper level ecology course, an additional course dependent upon the candidate's expertise and shared responsibility for the integration of biology and environmental science courses for science majors and non-science majors. The successful candidate will be conditioned, for the field as a laboratory and will develop a research program with both physiological and ecological components. The research expertise of the current faculty is strong in the areas of cell biology, plant biology, and biochemistry, particularly protein and peptide chemistry.

Philadelphia College of Textiles and Science (PCT&S) is a fully accredited, four-year, independent, career-oriented institution. Our science department offers B.S. degrees in biology, biochemistry, chemistry, environmental science, and physics, assisting applied mathematics and computer science.

Review of applications will begin August 15, 1994. Candidates should submit a letter of application, curriculum vitae, statement of research interests, and names and telephone numbers of three current references to: Dr. Richard A. Nigro, Vice President for Academic Affairs, Philadelphia College of Textiles and Science, School House Lane and Henry Avenue, Philadelphia, PA 19144. PCT&S is an Affirmative Action/Equal Opportunity Institution.

**PHYSIOLOGY FACULTY POSITIONS**

The Department of Physiology at the Medical College of Pennsylvania invites applications for one or more tenure-track faculty positions at the ASSISTANT, ASSOCIATE or FULL PROFESSOR level. Investigators whose research programs are in the area of cellular or molecular aspects of membrane biophysics, especially ion channels, receptors, ion and metabolite transport, membrane and/or endo- and exo- cytoskeletal proteins must have a relevant Ph.D. or M.D. degree with broad training in physiology or biophysics, and at least two years postdoctoral experience. Successful candidates will be expected to develop and maintain a vigorous, independent, extramurally funded research program, as well as teach medical and graduate students. Salary, space, and start-up funds will be competitive. Interested parties should submit a curriculum vitae, a statement of research interests, and the names of three references to: Dr. Michael M. White, Chair, Faculty Search Committee, Department of Physiology, Medical College of Pennsylvania, 2900 Queen Lane, Philadelphia, PA 19139. The Medical College of Pennsylvania is an Affirmative Action/Equal Opportunity Employer and welcomes applications from qualified women and minorities.

**FACULTY POSITION IN METABOLIC REGULATION**

**MICHIGAN STATE UNIVERSITY DEPARTMENT OF PHYSIOLOGY**

The Department of Physiology invites applications for up to two tenure-track appointments for positions of ASSOCIATE/ASSISTANT PROFESSOR, preferably at the ASSISTANT PROFESSOR level. We seek outstanding candidates with a Ph.D. degree or equivalent with training in physiology, biochemistry or molecular biology. Expertise should be in the area of metabolic regulation. Preference will be given to those individuals using modern molecular approaches to understand normal and disease processes associated with disorders of metabolism, e.g., diabetes. Candidates are expected to develop a vigorous, extramurally funded research program and to teach undergraduate, graduate, or medical students. Interested individuals should provide a complete curriculum vitae, a brief statement of research interests, a list of publications, and names of three references. The College will also request copies of publications in reprints. Applicants should arrange to have at least three letters of recommendation sent who can evaluate their accomplishments and future potential for research and teaching. Applications should be sent to: Chairperson, Metabolic Regulation Search Committee, Department of Physiology, Michigan State University, East Lansing, MI 48824-1101. Applications accepted until position is filled. Michigan State University is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

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**SCIENCE** • VOL. 265 • 22 JULY 1994

555
At Pfizer, we're taking medicine to new frontiers.

Molecular Biology

Through challenging research programs and discovery of new pharmaceutical agents, scientists at Pfizer's Central Research Division contribute to the development of medicines that bear the mark of innovation. We are committed to finding and developing breakthrough pharmaceutical interventions for major unmet needs. Our Fortune 100 company's current array of new pharmaceutical products is one of the most exciting in the industry.

POST-DOCTORAL SCIENTISTS in Molecular Biology

Currently, we're seeking three post-doctoral scientists to each guide a 3-year independent research study focusing on in vivo manipulation of immune-related molecules using transgenic animal and embryonic stem cell technologies. Selected candidates will spend 18 months at Pfizer's Central Research Division's state-of-the-art research facility in Groton and then 18 months at a co-sponsoring university. These are unique positions that emphasize publication and individual scientific development. Travel to scientific meetings and the presentation of research results will be supported by an annual travel stipend. Qualified candidates will possess a Ph.D. in molecular biology. Experience with transgenic animals or ES cell culture is preferred.

In addition to opportunities to interact with members of the world's finest corporate scientific and academic communities, you will enjoy a competitive stipend, medical/dental insurance coverage and the many lifestyle advantages of our southeast Connecticut location. Relocation assistance is available. For confidential consideration, please send your curriculum vitae and the names of three references to: Ms. Lynn Beaulieu, Employee Resources, Pfizer Inc, Central Research Division, Eastern Point Road, Groton, CT 06340.

We are an equal opportunity employer. M/F/D/V

Pfizer Central Research

BIOSCIENCE JOB FAIR

Interview directly with the best firms in the biotech and pharmaceutical industry!

PHILADELPHIA

Thursday, August 18
Embassy Suites Hotel @ Philadelphia Airport
9000 Bartram Avenue
10am - 1:30pm and 2:30pm - 6pm

Other scheduled events include...
October 27 - San Francisco
November 14-15 - Boston
January 10 - Washington DC
February 14 - San Francisco

Opportunities exist throughout the U.S. for BS/MS/PhD through management level positions in all bioscience and related disciplines.

You may register FREE at the door. If unable to attend in person and would like your resume distributed to participating firms, or want information on other LSA events, send your resume to: Life Science Associates/ Dept. S, 2000 Embarcadero, Suite 101, Oakland, CA 94606. Companies interested in recruiting call 510-436-3976.

Roche

A permanent position is available in our Preclinical Cardiovascular Research Department for an experienced Electrophysiologist.

The successful candidate will join a dynamic group working on the discovery and characterization of new cardiovascular drugs, with particular emphasis on vascular tone regulation.

Applicants should have a PhD in a relevant field and a solid professional background, including post-doctoral research experience, in electrophysiology and cell biology. An interest and experience in the field of general signal transduction mechanisms and/or intracellular signalling is also essential.

We offer excellent laboratory facilities and access, either within or outside the department, to most of the latest technologies. Collaboration with leading university laboratories is encouraged.

Qualified applicants should send a curriculum vitae (including a summary of research accomplishments and a list of publications) and two references, together with copies of principal publications and a handwritten covering letter briefly explaining why they are interested in the position, to Ms. M. Waese, Personnel Department, quoting reference Science 57/94/Wa.

F. Hoffmann-La Roche Ltd, 4002 Basel, Switzerland
The Centre for Natural Product Research, recently established in the premises of the Institute of Molecular and Cell Biology (IMCB) of the National University of Singapore, represents a major new development in the biotechnology industry. Supported by Glaxo, the IMCB and the Singapore Economic Development Board, the Centre is being developed as an integrated unit dedicated to the discovery of novel drug candidates from natural sources.

We now wish to appoint a Senior Biochemist to the position of Research Leader of the Bioassay Group. Reporting directly to the Head of the Centre, you will be responsible for the development and supervision of the biological screening programme which will incorporate enzyme, receptor and functional cellular assays designed to detect novel bioactive compounds of potential therapeutic use in a wide range of disease targets. You will have a proven track record of scientific achievement with several years’ relevant postdoctoral experience, preferably in the drug discovery field. You will also have a demonstrable capacity for scientific innovation, a broad knowledge base spanning the major areas of modern biological sciences and a dedicated commitment to the goal of drug discovery.

This is a key position in which the successful applicant will play a major role in the development of the Centre’s screening programme. Excellent communication, interpersonal and management skills, along with strong leadership qualities and a powerful drive to succeed in a challenging environment will therefore be essential attributes. For the candidate able to provide the necessary expertise, enthusiasm and commitment, the appointment provides a unique opportunity for career and personal development in an environment which combines the widely acknowledged cultures of scientific excellence within the IMCB and Glaxo. Competitive terms and conditions of employment, along with generous relocation assistance to this exciting part of the world will also be offered.

Please send a full CV with covering letter to: Dr. Miranda G.S. Yap, Centre for Natural Product Research, Institute of Molecular and Cell Biology, National University of Singapore, 10 Kent Ridge Crescent, Singapore 0511. Fax (65) 779-1117.

Glaxo Research and Development
Mark Your Calendar for 23 September: SCIENCE's Annual Careers Issue

On 23 September 1994 Science will present its annual Careers issue. Here's your chance to place your advertisement in one of the most important and popular issues of the year. Last year's Careers issue highlighted over 65 pages of career opportunities for scientists at all levels. The 1994 issue will once again rank as one of the top scientific career planning resources. You can be sure scientists at all levels will use the Careers issue to survey the job market and plan future career moves.

When you advertise in the 23 September issue you will receive:

- **Bonus Distribution**
  Copies of the 23 September issue will be distributed to over 2,000 attendees at each of the Biotechnology/Pharmaceutical Job Fairs in La Jolla, CA on September 23-24, and in Cambridge, MA on September 30-October 1.

- **Advertisers' Index**
  Full page advertisers will be listed separately on an index affixed to the covers of the issues distributed at the job fairs.

- **Harvey Readership Study**
  Full page advertisers will benefit from a Harvey Readership Study - a terrific way to find out what Science readers are thinking about your advertising message.

**Advertising Deadline: 6 September**
To advertise call Janis Crowley at (212) 496-7704 or fax to (202) 682-0816.
In Europe call (44) 0223 302067 or fax to (44) 0223 302068
Tenure-Track And Postdoctoral Opportunities.

Listed below are a few of the outstanding opportunities for conducting research that are now available at the National Institutes of Health.

Tenure-Track Positions
Assistant Professor Equivalent
Kidney Diseases
James E. Balow, MD

A tenure-track position is available to develop an independent research program in progressive kidney diseases. Candidates must have an MD degree and be qualified as a clinical nephrologist. Expertise in current methods in molecular biology/pathology, as well as in design and execution of clinical studies are required. Besides appropriate laboratory space and equipment, support by up to two postdoctoral fellows and a technician will be provided. Candidates will be evaluated for tenure within a period not to exceed six years. A two-page statement of research interests and goals should be submitted in addition to three letters of recommendation. Kidney Diseases Section (OE-50), NIDDK, Building 10, Room 9N-222.

Signal Transduction
Allen M. Spiegel, MD

An opportunity is available to develop an independent, first-rate research program that complements ongoing research on the structure and function of G proteins and G protein-coupled receptors. Individuals of the highest caliber with a research interest in signal transduction, preferably related to G proteins, and with substantial experience in biochemistry and molecular biology should apply for this tenure-track position. A two-page statement of research interests and goals should be submitted in addition to three letters of recommendation. Metabolic Diseases Branch (OE-50), NIDDK, Building 10, Room 9N-222.

Postdoctoral Positions
Aging and Behavior in Nonhuman Primates
Donald K. Ingram, PhD

A position is available for an applicant with demonstrated experience in nonhuman primate behavioral analysis. Studies will be conducted using automated equipment to assess sensory, motor, and cognitive performance. A large sample of rhesus and squirrel monkeys is available for longitudinal studies of the effects of caloric modification on the aging process. Applicant must have less than five years postdoctoral experience. Laboratory of Cellular and Molecular Biology (OE-50), NIA, Gerontology Research Center, Hopkins Bayview Research Campus, Baltimore, MD 21224.

Immunopathogenesis and Virology of HIV-1
Michael Norcross, MD

Studies of heterosexual transmission of HIV-1, including development and standardization of antiviral assays, characterization of HIV and virus entry pathways, and analysis of HIV-specific immune responses, are in progress. Experience in immunology and molecular biology related to AIDS and HIV-1 is desirable. Division of Hematologic Products (OE-50), FDA/CBER (HFM 541), 1401 Rockville Pike, Rockville, MD 20852-1448.

Molecular Virology
Indira Hewlett, PhD

The role of cellular factors and cytokines in HIV replication and pathogenesis is being studied. Using gene amplification techniques for detection and quantitation of HIV in infected individuals, studies addressing in vivo pathogenesis, approaches to therapeutic intervention, and virus transmission are also being investigated. Applicants must have less than five years postdoctoral experience. Laboratory of Molecular Virology (OE-50), FDA/CBER (HFM 315), 1401 Rockville Pike, Rockville, MD 20852-1448.

Signal Transduction
Hua Gu, PhD

Two positions are available to study the signal transduction process in the immune system. Research focuses on in vivo animal models and takes a multidisciplinary modern biological approach, including conditional gene targeting. Applicants should have a strong background in molecular biology and/or biochemistry. Experience in gene targeting is not required. Laboratory of Immunology (OE-50), NIAID, 12441 Parklawn Drive, Room 139, Rockville, MD 20852.

Additional Postdoctoral Fellowship Opportunities

For an on-line listing of additional postdoctoral openings, you may access the NIH EDNET Bulletin Board POSTDOC conference via Internet (wylbur.cu.nih.gov) or via modem (1,3014022221 or 1,8003582221) with modem parameters set at "7, Even, 1". When connected to NIH, type in "vt100" for terminal emulation, "F5E" for initials, and "AJL1" for account number.

The Postdoctoral Research Fellowship Opportunities catalog, which describes additional opportunities at the NIH, may be requested from the address below. An electronic version of the catalog may be accessed via the network-based (Internet) Gopher Information System. To access the NIH Gopher server, Gopher client software (available via anonymous ftp "boombox.micro.umn.edu") must be running on your computer and configured to point to "gn: NIH.gov" and port "70". Select Grants and Research Information to reveal the NIH Office of Education directory. Those interested in receiving information on other postdoctoral opportunities, clinical training opportunities, or accessing Gopher may contact the Office of Education, Building 10, Room 1C129. Phone: 301-496-2427.

To Apply

If you hold a graduate doctoral degree (e.g., PhD, MD/PhD) or a professional degree (e.g., MD, DO, DDS, or DVM) accompanied by previous laboratory research experience, and would like to be considered for one of these positions, please send a cover letter, curriculum vitae, bibliography, and statement of research interests to the address listed with each position. In addition, please arrange to have letters of recommendation sent from three scientists who can provide an evaluation of your qualifications.

National Institutes Of Health

9000 Rockville Pike, Bethesda, MD 20892

The NIH is an Equal Opportunity Employer
BIOMEDICAL ENGINEERING CENTER THE OHIO STATE UNIVERSITY

Biomedical Engineering Center is seeking a faculty member to fill a full professor or assistant professor position in Biomedical Engineering. The candidate should have a strong background in biomedical imaging and demonstrated expertise in biomedical image capture, processing, and display. The successful candidate will be expected to establish an independent research program in some area of interest, and to supervise graduate students. The successful candidate is expected to participate fully in the development of the new graduate curriculum in biomedical imaging, and to advise graduate students. Applications will be considered until the position is filled. For more information, please contact [contact information provided].

APPLICATIONS ARE INVITED FOR AN ASSOCIATE PROFESSOR IN ARNOLD PHYSIOLOGY. The Arnold Physiology Department at the Ohio State University is seeking a candidate for a full-time, tenure-track position at the rank of associate professor. The candidate should have a strong background in experimental physiology, with a focus on cardiovascular or respiratory systems. The successful candidate will be expected to establish an independent research program, supervise graduate students, and contribute to the development of the new graduate curriculum in physiology. Applications will be considered until the position is filled. For more information, please contact [contact information provided].

POSITIONS OPEN

ASSISTANT, ASSOCIATE OR FULL PROFESSOR OF MICROBIOLOGY & IMMUNOLOGY
STANFORD UNIVERSITY SCHOOL OF MEDICINE

One full-time faculty position at Stanford University School of Medicine. Candidates should have established an independent laboratory program in some area of animal virology. Applicants with interest in the cell biology, molecular biology, immunology, virology, or epidemiology of animal viruses are especially encouraged. Interests in using viruses as agents for gene therapy, and molecular biology of viral pathogenesis are particularly encouraged. Salary support, laboratory space and start-up funds are available for this position, but there should be evidence of ability of the candidate to successfully compete for extramural funding. Stanford University is committed to increasing representation of women and members of minority groups on its faculty. Women candidates particularly encouraged. Applications should be submitted by the deadline.

APPLICATIONS ARE INVITED FOR SEVERAL FACULTY POSITIONS IN THE DEPARTMENT OF BIOLOGY. The Department of Biology at Stanford University is growing rapidly and expects to hire a few new faculty members in the coming years. The successful candidate will be expected to establish an independent research program in some area of biology, supervise graduate students, and contribute to the development of the new graduate curriculum in biology. Applications will be considered until the position is filled. For more information, please contact [contact information provided].

VISIONAL PHYSIOLOGY—York University, Toronto, Canada.

Applications are invited for a term appointment in Visional Physiology. The successful candidate will be expected to establish an independent research program in some area of vision, supervise graduate students, and contribute to the development of the new graduate curriculum in vision. Applications will be considered until the position is filled. For more information, please contact [contact information provided].
Cyanamid continues its commitment to enhancing worldwide livestock production.

At American Cyanamid Company's Agricultural Research Division, we have a long-range commitment to discovering ways to increase worldwide livestock production through chemical, biochemical and biological research. This commitment is evidenced by our expanding research budget which has tripled over the last decade. Currently, we seek team players for the following:

Research Poultry Scientist/Avian Physiologist (PhD)
You will be a key member of the Animal Science and Therapeutics Group engaged in the discovery and evaluation of novel methods for improving poultry growth performance. Collaborate with other Research Scientists throughout Animal Industry Discovery including molecular biology, chemical synthesis, biochemistry and molecular genetics screen design in an effort to achieve this goal. Opportunity exists for both basic and applied research in this area. Laboratory and field evaluations are expected. Position requires a PhD in Poultry Science or Avian Physiology with experience conducting field research. Expertise in poultry nutrition and parasitology is a plus. (Ref. KH)

Post-Doctoral Molecular Biologist
This is a post-doctoral position for a 2 year period for a Molecular Biologist with an interest in exploring new targets for the advancement of animal health. You will participate in a program in which molecular biology techniques are used to select novel targets and to design screens that will identify compounds useful in controlling animal parasites. We require a PhD in Molecular or Cell Biology with a strong background in molecular biology and experience in standard techniques, such as cloning, sequencing, library screening and PCR. Experience in heterologous gene expression in E.coli and yeast is desired. (Ref. DK1)

Senior Product Registration Manager (PhD/DVM)
You will be responsible for coordinating the preparation of U.S. and international product registration applications. You will establish working relationships with FDA review personnel, organize visits to the FDA and act as liaison with the FDA in regards to U.S. registration requirements. Position requires a Veterinary (DVM) or Animal Science (PhD) background and pharmaceutical (human or animal) regulatory experience. A knowledge of U.S. and international regulatory requirements with the ability to interact with the FDA and advise staff on the interpretation of these requirements is essential. (Ref. JA)

Biologist (BS/MS)
Your work will be focused on selecting pharmacological and molecular targets and utilizing them in screens designed to identify new antiparasitic and performance enhancing compounds. Our approach will utilize correlated in vitro and in vivo pharmacological studies, characterization of neurotransmitter and hormone receptors and, if necessary, molecular cloning of new drug targets. Active compounds emerging from your screens will be exploited in collaboration with our medicinal chemistry and animal health groups. Your background should include experience with radioligand binding assays and data analysis, cell culture and tissue preparation, and basic methods of protein chemistry such as HPLC, FPLC, SDS-PAGE, etc. Experience in molecular biological methods such as PCR, cDNA library screening, and DNA sequencing is desirable but not essential. Industrial experience is preferred. (Ref. DK2)

Immonochemist (MS)
You will be responsible for developing/improving growth promoting vaccines, with particular emphasis on generating high quality and uniform peptide conjugate preparations for target animal species. The successful candidate will possess a Master’s degree in Biological Science with a strong background in immunology, biochemistry, protein/peptide chemistry, and general immunobiology. Experience in vaccine development, peptide synthesis, carrier conjugation, quantitative chemical analysis, animal handling, antibody production and evaluation is essential. Familiarity with all related technical procedures to carry out experiments is required. You should be able to design appropriate experiments to systematically improve vaccine efficacy and continuously monitor the process of the development. Industrial experience is desired. (Ref. DC)

American Cyanamid Company offers an excellent compensation and benefits package which includes 401(k) savings plan, flex-time work schedules and a convenient location one hour from New York City or Philadelphia. To explore these opportunities, please forward your resume, noting the appropriate reference for the position of your choice, to: Employment Office, American Cyanamid Company, Agricultural Research Division, R.O. Box 400, Princeton, NJ 08543-0400. An Equal Opportunity Employer.
CHIEF OF STAFF: Harry S. Truman Memorial Veterans’ Hospital in Columbia, Missouri is seeking a qualified candidate for Chief of Staff position. The Veterans Administration Medical Center is a highly affiliated, complex, tertiary care facility located on the campus of the University of Missouri-Columbia. Incumbent is fully responsible to the hospital director for patient care programs and educational/research activities of clinical services with close relationship to affiliated medical school as Associate Dean for Veterans Affairs. Individuals selected must have management experience in graduate and undergraduate medical education as well as clinical affairs. Search for a new chief upon faculty appointment with affiliated medical school. Columbia offers an urban and college town atmosphere. St. Louis, Kansas City, and Quarks are all within easy driving distance. Interested candidates should submit current curriculum vitae to: Chairman, COS Search Committee (160), E2SMVH, 800 Hospital Drive, Columbia, MO 65201.

ASSOCIATE DIRECTOR FOR THE WEST-EAST CENTRE FOR MICROBIAL DIVERSITY

The West-East Centre (VEC) is a collaborative venture between the National University of Singapore and the University of British Columbia. VEC is associated with the Department of Microbiology and Immunology and is directed by Julian Davies. Its goals are to image microbe diversity and its molecular diversity using novel approaches. The Associate Director would be responsible for the day-to-day administration of VEC and would be expected to contribute substantially to the research program. Candidates should provide evidence of experience with modern molecular microbiology and the ability to organize and manage innovative research. Candidates should possess a Ph.D. and have had several years’ experience in postdoctoral research. This is a three-year appointment, non-tenure-track position; a possibility for a permanent position exists if the candidate is successful. Anticipated date of appointment is January 1, 1995. In accordance with Canadian Immigration requirements, priority will be given to Canadian citizens and permanent residents. Please submit application, together with the names of three referees to: Dr. Julian E. Davies, Director, West-East Centre for Microbial Diversity, 300 - 6174 University Boulevard, Vancouver, B.C. Canada V6T 1Z3. Applications should be received by October 30, 1994. The University of British Columbia welcomes all qualified applicants, including people with disabilities.

FACULTY POSITION

MOLECULAR GENETICS OF EYE DISEASE

Outstanding opportunity to join rapidly growing laboratory devoted to investigation of molecular and cellular basis of eye disease including retinoblastoma, retinopathy and macular degeneration. New, superbly equipped facility. Experience with gene mapping and positional cloning techniques a plus. Salary range at this level is comparable to CWRU. Please send curriculum vitae and three letters of recommendation to: Carmen A. Puliafito, M.D., Director, New England Eye Center, 750 Washington Street, Boston, MA 02111. FAX: (617) 954-4215.

FACULTY POSITIONS

IN STRUCTURAL BIOLOGY

Case Western Reserve University (CWRU) School of Medicine and the Western Reserve Research Institute (WIRRI) are jointly recruiting for several tenure-track junior and senior positions. Candidates with strong credentials in areas of strong research achievements using modern approaches including X-ray crystallography and NMR are encouraged to apply. Successful candidates will have appointments in both the school and space within a basic science department at CWRU.

TERMS are highly competitive, and an appointment provides excellent opportunities to develop strong independent research programs. A new building for Structural Biology is currently under construction.

FACULTY POSITIONS IN CRANIOFACIAL DYSMORPHISM

The Department of Oral Biology and the CWRU School of Medicine is entering the third phase of faculty recruitment for tenure-track positions. Those with ongoing, funded research programs and able to provide meaningful support will be encouraged to apply. Preference will be given to those experienced in molecular/biochemical research and aspects of specific clinical problems.

FACULTY POSITIONS IN MOLECULAR BIOLOGY AND MOLECULAR PHARMACY

The Department of Pharmacology and Molecular Biology at The Chicago Medical School is initiating the third phase of faculty recruitment for tenure-track positions at the associate professor level. Only those with an outstanding, funded research program, a track record of competitive research support and the ability to attract extramural funds are invited to apply. Preference will be given to those experienced in molecular/biochemical pharmacology and any aspect of genomics. Attractive salaries and start-up funds are available. The school is located in a modern facility adjacent to the very pleasant North Shore community of Lake Forest. For information on the proximity to forest preserves and Lake Michigan. The department under new leadership has already recruited several faculty of high caliber. Excellent core facilities and strong graduate program (Ph.D. and M.D./Ph.D.) are available. Interested candidates are invited to review the position and interested applicants should submit curriculum vitae, research plans and three names for reference to: Dr. Samson T. Jacob, Chairman, Department of Pharmacology and Molecular Biology, The Chicago Medical School, 3333 Green Bay Road, North Chicago, IL 60064. The Chicago Medical School is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITIONS IN THE EVOLUTION OF PROTEINS

Positions currently available for individuals interested in the in vitro evolution of protein structure and function, including catalytic and therapeutic antibodies and DNA binding proteins. Research opportunities include the development of protein engineering techniques, such as directed evolution, and the understanding of evolutionary mechanisms. Interested candidates are encouraged to submit curriculum vitae and three references to: Dr. C. F Barbas, Department of Molecular Biology, MB-11, The Scripps Research Institute, 10666 North Torrey Pines Road, La Jolla, CA 92037. FAX: (619) 554-6778.

FACULTY POSITIONS IN THE IN VITRO EVOLUTION OF PROTEINS

POSTDOCTORAL RESEARCH POSITIONS available immediately at The Johns Hopkins University School of Medicine for molecular/cellular biologists in the areas of: 1) membrane protein trafficking mechanisms, 2) structure of functional epithelial cell polarity and 2) protein kinase-mediated signal transduction in epithelial. The successful candidates will join a team of scientists involved in the study of renal cell development and function. Opportunities are available for candidates interested in studies determined by genetic diseases. A Ph.D. and demonstrated experience in cell and molecular biology techniques is required. The successful candidates should send curriculum vitae, letter with a description of research experience, and the names, addresses and telephone number of three references to: Patricia Wilson, Ph.D., 954 Ross Research Building, The Johns Hopkins University School of Medicine, 720 Rutland Avenue, Baltimore, MD 21205. FAX: (410) 614-1650; FAX: (410) 955-0485; Email: Pwilson@hju.igf.med.jhu.edu. Equal Opportunity Employer/Men/Minorities/Females/Handicapped. Drug-free and smoke-free environment.

PROTEOGLYCANS IN ALZHEIMER’S DISEASE

One Postdoctoral Fellowship position available (September 1, 1994) in the laboratory of Dr. Alan Snow in the Department of Pathology at the University of Washington in Seattle. Research in Dr. Snow’s lab focuses on a novel approach to treatment of amyloidosis in Alzheimer’s disease (AD). Candidates with experience in molecular biology (Northern, Southern, cloning, PCR, radiolabeling, and purification of transgenic animals are preferentially selected. Money for a 3-year postdoctoral fellowship available. Application letters and curriculum vitae email list to: Dr. Daniel M. Molloy, Biologic Survey, New York State Museum, Field Research Laboratory, RD 1 Box 151, Cambridge, NY 12816. Equal Opportunity Employer.
Postdoctoral Research Position

School of Biological Sciences - Zebra Fish Development

Vacancy UAC.451

A postdoctoral position is available for a suitably qualified candidate to join a small group studying the molecular biology of muscle development in the Zebra Fish. A background in molecular biology techniques is essential.

The position is funded for two years at NZ$35,000 per annum. Some assistance will be available for return travel expenses.

For further information please contact Dr Clive Evans, Developmental Biology and Cancer, School of Biological Sciences, The University of Auckland, telephone 64-9-373 7599 ext 7245, fax 64-9-373 7417, email: C.Evans@Auckland.AC.NZ.

Applications in the form of a detailed CV including the contact details for two or more referees close with The Registrar, The University of Auckland, Private Bag 92019, Auckland, New Zealand on 28 August 1994.

Please quote Vacancy Number UAC.451 in all correspondence.

W B NICOLL, REGISTRAR

The University has an equal opportunities policy and welcomes applications from all qualified persons.
POSTDOCTORAL POSITIONS (Two) are available immediately to study the role of POU/homeodomains in the development of the embryonic mouse CNS. Relevant techniques include embryonic manipulation, reporter gene and embryonic stem cell technology. Experience in molecular biology required. Please send letter, curriculum vitae and addresses of three references to: Dr. Gerald M. Carlson, Department of Developmental Biology, University of Tennessee, Knoxville, TN 37996-3498. Telephone number (615) 974-5351. An Equal-Opportunity/Affirmative Action Employer.

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HUMAN CELLULAR THERAPY

Cellco develops biotherapeutic products and systems for expansion of hematopoietic stem cells for human therapy. Our R&D Division is a collaborative team of professionals with focused hands-on participation in supporting our clinical program. We currently seek the following scientist:

ANALYTICAL CHEMIST/BIOCHEMIST

This position requires a Ph.D. in Analytical Biochemistry or Analytical Chemistry, 3-8 years of postdoctoral training and experience with development and validation of spectroscopic, chromatographic, immunochemical analytical techniques. Experience in protein chemistry, tissue culture techniques, computer programming and instrument networking will also be helpful. Preference given to persons who have established an industrial analytical laboratory and have a detailed knowledge of GLP/GMP.

The successful applicant will play a key role in advancing Cellco science into early patient treatment. We offer a competitive compensation and benefits package and the opportunity to design your own laboratory. Please send or Fax your CV, publications list and addresses, telephone and FAX numbers of three references to: Fax (301) 916-1010. Cellco, Inc., Human Resources, 12321 Middlebrook Road, Germantown, MD 20874. E.O.E.

University of Virginia School of Medicine
Chairperson, Department of Biochemistry

The University of Virginia School of Medicine invites applications and nominations for chairperson of the Department of Biochemistry. The Department of Biochemistry is one of five basic science departments within the School of Medicine. It is particularly noted for its strengths in the areas of quantitative structural biology and membrane biophysics. The department has a well-established and strong graduate program, and participates in the education of medical students as well as in a combined M.D./Ph.D. program. The University of Virginia has an outstanding research reputation and is in the process of expanding each of the basic science departments in the School of Medicine. An exceptional recruitment package is available, including new tenure-track positions, and expanded departmental space in a new research building.

Candidates for this position should have a Ph.D. and/or M.D. degree, a distinguished record of scholarly activity, an internationally recognized research program, the ability to administer a comprehensive academic program, and proven leadership skills. Applications are encouraged from outstanding scientists in a wide range of disciplines, including biochemistry, biophysics, molecular biology, cell biology, structural biology, or molecular regulation of gene expression. The University of Virginia is noted for its strengths in the areas of signal transduction and protein structure, and we hope to attract an individual who will complement and/or enhance these two areas of strength.

Interested individuals should submit a letter of application, curriculum vitae, a research summary, and three references to Gary K. Owens, Ph.D., Chair, Search Committee, Dept. of Molecular Physiology and Biological Physics, University of Virginia School of Medicine, Box 449, Charlottesville, VA 22908.

The University of Virginia is an affirmative action/equal opportunity employer. Women and under-represented minorities are encouraged to apply.
Uncompromising Science

In 1994, Bristol-Myers Squibb will invest more than $1 billion in research and development. Our 3,800 scientists and support personnel are dedicated to achieving and sustaining a pre-eminent position in the design and development of breakthrough, cost-effective therapies.

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PRINCETON, NJ

Pharmacokinetics

Research Investigator Pharmacokineticist, Ph.D.

This position is directly responsible for the development of study designs and research protocols and the formation of new approaches to drug development. Requires a Ph.D. in Pharmacokinetics and 2-5 years postdoctoral experience which includes advanced knowledge related to pharmacokinetics and its application to drug development. Your background should also include experience conducting clinical and non-clinical pharmacokinetic studies, including preparation of protocols and final study reports. Reply to Dept. MG-161.

Oncology Drug Discovery

Research Scientist Biologist, BS/MS

The Experimental Therapeutics Department is seeking a research associate to join a team of scientists involved in identifying novel approaches for cancer therapy. The scientist will participate in studies of the in vitro and in vivo biology. Experience in tumor xenograft models and athymic mouse models desirable. Candidates should possess a BS/MS in Biology with a minimum of 1 year experience in mammalian cell culture and in vivo biology. Experience in tumor xenograft models and athymic mouse models desirable. Reply to Dept. MG-78.

Resumes for Princeton, NJ openings should be forwarded to: Bristol-Myers Squibb Pharmaceutical Research Institute, Human Resources Dept., P.O. Box 4000, Princeton, NJ 08543-4000.

WALLINGFORD, CT

Virology

Research Scientists

Multiple Opportunities

The Virology Discovery Group has several research positions available for highly motivated individuals interested in the discovery and development of novel antiviral compounds. Candidates should have a B.S. or M.S. with 2-5 years industry or research laboratory experience. Successful candidates will possess skills in the areas of cell culture, molecular biology and/or biochemistry. Prior experience with viral research is highly desirable. Reply to Dept. HD-195.

CNS Discovery Group

Research Investigator Molecular Biologist, Ph.D.

Join a team of scientists engaged in the cloning and characterization of novel G protein-coupled receptors. Applicants must have a Ph.D. and a minimum of 3 years postdoctoral experience. Extensive experience in common molecular biological techniques such as cDNA library construction and screening, polymerase chain reaction, site-directed mutagenesis, Northern and Southern blotting and expression of cloned genes in prokaryotic and eukaryotic cells is required. Experience in expression cloning techniques, protein purification and/or antisense technology would also be an asset. The successful candidate should be familiar with modern principles of neurobiology and must have a collaborative, interactive personality. Reply to Dept. HD-207.

Research Investigator Electrophysiologist, Ph.D.

This is a challenging opportunity for a Ph.D. Electrophysiologist/ion Channel Biophysicist who has a minimum of 3 years postdoctoral experience. We seek a collaborative researcher with in vivo and in vitro experience including whole cell voltage and patch clamping techniques, preparation and recording from oocyte expression systems and from tissue culture. Additional experience with intracellular and extracellular recordings from brain slices is considered an asset. The successful candidate should be conversant with neurochemical, neuroanatomical, as well as cell and molecular biological techniques necessary for the characterization of neuronal effects of drug candidates and for identifying potential targets for drug development. Reply to Dept. HD-0177.

Resumes for Wallingford, CT openings should be forwarded to: Bristol-Myers Squibb Pharmaceutical Research Institute, P.O. Box 5101, Wallingford, CT 06492.
Orquest, Inc.

Orquest, Inc. is a new emerging company focusing on the development of biological products for regeneration of connective tissue diseases. Orquest's mission is to be a uniquely positioned biotechnology company entering the orthopedics market by developing and commercializing patented biomatrices allowing active growth and regeneration of bone, cartilage, and soft skeletal tissues.

Orquest is seeking to build a team of highly successful scientists who will contribute to the creation of a unique and successful research and product development program.

- **Senior Scientist: Cartilage Biochemistry**

We seek an accomplished individual to lead a small group of scientists involved in a basic and applied research program in the area of cartilage regeneration and repair. We are especially interested in someone with a strong background in animal research. The successful candidate will have a Ph.D. or DVM with at least five years of post graduate experience involving *in vitro* and animal modeling of cartilage repair.

- **Scientist: Polymer Chemistry**

We are seeking a scientist who will evaluate and utilize biopolymers toward the development of tissue regeneration matrices. You will develop and scale up matrix fabrication processes, collaborate with outside contract polymer synthesis sites, and bring expertise in GLP, SOP and GMPs to all phases of the company's operations. The successful candidate will have a Ph.D. in Chemistry with at least five years of industrial experience in developing processes for the controlled release of proteins and growth factors.

- **Scientist: Bone Cell Biology**

We seek an accomplished scientist who will lead our bone cell biology group in evaluating matrices for bone grafting. This position requires a Ph.D. in Biology or related discipline with three years' experience in culturing and evaluating bone cells.

- **Protein Chemist: Collagen Chemistry**

You will collaborate with other scientists in developing collagen matrices for cartilage and bone regeneration. This position requires a BS/MS in Chemistry or Biochemistry with experience in collagen characterization, modification, and evaluation.

- **Histologist**

We are seeking an individual with experience in mineralized tissue histology. You will be using histological techniques to evaluate materials developed for bone and cartilage regeneration. This position requires a BS level certified Histologist or Histologist Technician (HT) or Histotechnologist (HTL) with three years of related experience.

- **Biochemist**

You will be involved in developing *in vitro* and *in vivo* models of cartilage regeneration. You must have extensive experience in culturing chondrocytes and in characterizing their extra-cellular matrix molecules. The successful candidate will have a minimum of five years' experience in cartilage biochemistry along with a BS/MS in Chemistry or Biochemistry.

Orquest offers highly competitive salaries, a benefit package which includes stock participation and the opportunity to contribute to a new and exciting area of therapeutic product development. Please submit your resume or curriculum vitae to: Orquest, Inc., Human Resources Department, 365 Ravensdale Drive, Mountain View, CA 94043, Orquest is an equal opportunity employer.
Temple University
School of Medicine

Associate Dean for Research and Biotechnology Transfer

Temple University School of Medicine is seeking an established scientist with MD, Ph.D. or MD/Ph.D. degree and reputation in basic research. Credentials to qualify for appointment as Associate or Full Professor. Qualifications include successful competition for external peer-reviewed grants; detailed understanding of federal, philanthropic and industrial research funding; knowledge/experience in biotechnology transfer; and demonstrated leadership in research. Experience in administering academic unit preferred. Individual will direct Office of Sponsored Projects; develop and maintain record of research activities throughout school; develop tracking system for grants in process of being submitted; stimulate and coordinate research activities among school's academic units; and maintain ongoing knowledge of research opportunities. Requires strong interpersonal, organizational, and communication skills. May continue own research program and/or have appropriate teaching responsibilities. Interested individuals should send CV's and bibliographies to: Allen R. Myers, MD, Dean and Associate Vice President, HSC, Temple University School of Medicine, 3400 North Broad Street, Philadelphia, PA 19140.

Temple University is committed to Affirmative Action/Equal Employment Opportunity and strongly encourages applications from women and minorities.

PREDOCTORAL AND POSTDOCTORAL FELLOWSHIPS IN HUMAN CANCER BIOLOGY

University of Wisconsin-Madison

The Department of Human Oncology and the UW Comprehensive Cancer Center invites applications for several highly competitive NIH-funded predoctoral and postdoctoral fellowships. Postdoctoral positions beginning between October 1994 and March 1995 are open to Ph.D.s (or equivalent) with a strong background in biochemistry, cell biology, molecular biology, genetics, immunology or related fields, who wish to apply their skills to cancer-related problems. For further information, qualified individuals (U.S. citizens or permanent residents, only) should, by August 15, 1994, contact one of the faculty below at the listed address. Applications for several graduate fellowships for studying leading to a Ph.D. in Human Cancer Biology, beginning September 1995, are due March 15, 1995, but applicants are urged to apply earlier. For more information and application forms contact: Dr. Clifton, Program in Human Cancer Biology, K/334 CSC, University of Wisconsin, 600 Highland Avenue, Madison, Wisconsin 53792.

Faculty and research programs include: David A. Boothman, Ph.D., DNA damage-induced gene expression, experimental therapeutics; Chawshang Chang, Ph.D., molecular endocrinology, steroid receptors; Steven S. Clark, Ph.D., oncogenes, molecular pathogenesis of leukemia, developmental immunology; Kelly H. Clifton, Ph.D., radiation carcinogenesis, regulation of cancer progenitor cells; Michael N. Gould, Ph.D., oncogenes and suppressor genes, molecular carcinogenesis; Timothy J. Kinsella, M.D., modifiers of radiation damage; R. Timothy Mulebby, Ph.D., biochemical mechanisms of drug resistance, experimental therapeutics; Catherine A. Reznikoff, Ph.D., molecular carcinogenesis, cancer genetics; Joan H. Schiller, M.D., growth factors and cytokines; Paul M. Sondel, M.D., Ph.D., tumor immunology, molecular biology of cytokine receptors, gene therapy; Ajit K. Verma, Ph.D., signal transduction, molecular carcinogenesis; George Wieland, M.D. growth factors and oncogenes.

INTRABIOTICS PHARMACEUTICALS, INC.

IntraBiotics is a healthcare company addressing the current crisis in infectious disease caused by resistance to existing antimicrobial pharmaceuticals. The company's mission is to develop novel, peptide antimicrobials active against a broad range of bacteria and fungi, and certain viruses. Openings exist for director level and senior scientist positions in the following areas:

Microbiology: To establish group responsible for evaluation of product candidates for *in vitro* efficacy and cytotoxicity. Requirements: Ph.D. Microbiology and significant pharmaceutical industry experience in antimicrobial drug research and development; familiarity with bacterial, fungal and parasitic infections.

Pharmacology: Responsible for designing and executing program of *in vivo* efficacy and toxicity testing with goal of defining clinical candidates. Requirements: Ph.D. Biological Sciences, with pharmaceutical industry experience in anti-infectives, monitoring contract studies, and knowledge of FDA requirements.

Protein Chemistry: To establish group responsible for production and characterization of peptide antimicrobials, development of analytical methods, and design and analysis of congeners. Requirements: Ph.D. Protein Chemistry or Biochemistry with industrial research and/or development experience in peptide chemistry.

Formulation Development: To establish group responsible for development of topical and systemic formulations. Requirements: Ph.D. Biochemistry or Chemistry, and industrial experience in peptide and/or protein formulations.

Strong management experience is critical for all positions, as is the ability to work effectively as part of an interdisciplinarian team. The successful candidates will be individuals with strong motivation to transfer their substantial experience to the rapidly changing environment of a start-up company. IntraBiotics is located in an excellent area on the San Francisco peninsula for a growing healthcare company. The company offers competitive salaries and benefits, and significant equity participation. Please send CVs in confidence to: Human Resources--SClad, IntraBiotics Pharmaceuticals, Inc., 3000 Sand Hill Road, Building 4, Suite 270, Menlo Park, CA 94025-7114.
Steritech, a fast-growing San Francisco Bay area biopharmaceutical company, has an immediate opening for a toxicologist with whole animal testing experience. Toxicologist's responsibilities are predominantly administrative (oversee/assist in monitoring GLP studies conducted by contract research labs) and approximately 25% research or lab projects (plan and conduct in-house in vivo tertiary screening).

Qualifications required include a Ph.D. or M.S. in toxicology, pharmacology or related area and postgraduate experience in general toxicology (2 years for Ph.D. level or 5 years for M.S. level). Pharmaceutical industry/contract lab experience desirable.

Steritech offers excellent salaries and benefits, including 401(k), stock options and medical/dental plans. Send CV or resume, three professional references and salary history to: Toxicologist, Steritech, Inc., 2525 Stanwell Dr. #300, Concord, CA 94520. Applicants only. EEO.
Agricultural Scientist
Entomology

We currently seek a proven Agricultural Scientist to conduct applied research on economically impactful insect pests in cranberries. In this capacity, you will develop biological control strategies that incorporate conventional chemical and biological control measures, follow through on regulatory issues, and participate in grower educational outreach efforts. Although this position is based in Massachusetts, it will involve research and extension efforts in other principal cranberry growing regions. To qualify, candidates must have an MS plus experience, or a PhD in Entomology or Economic Zoology and an in-depth knowledge of integrated insect management in agricultural ecosystems. Strong interpersonal/communications skills and a valid driver’s license are also required. Small fruits entomology, pesticide development and pesticide registration experience a plus.

We offer a competitive salary and benefits package with a challenging environment in which to grow. Please send/fax your resume, including salary history, in confidence to: Ocean Spray Cranberries, Inc., Attn: Human Resources Department, One Ocean Spray Drive, Lakeville-Middleboro, MA 02349. Fax: (508) 946-7980. An Equal Opportunity Employer, M/F/D/V.

As a concerned corporate citizen, Ocean Spray Cranberries has assumed a leadership role in pre-employment drug screening.

Quality People, Quality Products

Known worldwide as a leader and innovator in the medical products industry, Storz manufactures and markets a comprehensive line of advanced ophthalmic products. Our dynamic organization, a division of Fortune 100 American Cyanamid, currently has an excellent opportunity for a:

Senior Research Pharmacologist

In Pearl River, NY

Working at our Ophthalmic Pharmaceutical Research and Development facility in Pearl River, New York, the successful candidate will play a key role in the expansion of our pre-clinical drug screening and development capabilities. This will include responsibility for our in vivo glaucoma drug screening program as well as involvement in other pre-clinical studies.

Qualified candidates will have a Ph.D. plus at least 2 years experience in eye research, particularly aqueous humor dynamics, and a solid foundation in mechanisms of drug action and in vivo and in vitro drug screening methods.

Mail or fax resume and salary history in confidence to:

Employment Manager
Storz
Dept. PS
3365 Tree Court Industrial Blvd.
St. Louis, MO 63122
Fax: (314) 861-3032

Storz
Quality - Innovation - Service
Equal Opportunity Employer

Principal Investigator
(Protein Structure)

MAKE A POSITIVE IMPACT!

The Life Sciences Group of DuPont Central Research and Development is seeking a highly motivated and creative individual with a strong background in protein structure and function.

The successful candidate will conduct an independent research program on the relationships among protein sequence, structure and function and will have an impact in a variety of areas, including the redesign of enzymes to alter their catalytic properties and the development of novel polyamide materials.

To qualify, you must have a Ph.D. and postdoctoral experience, a high degree of independence and the ability to collaborate with biochemists and chemists working in a variety of areas.

We are located in Wilmington, DE, an area that offers an attractive lifestyle with easy access to all the cultural, academic and recreational activities of the Eastern Seaboard. DuPont offers an excellent compensation and benefits package. To be considered, please forward your resume to: DuPont Human Resources, PSS-0092, Wilmington, DE 19898. An Equal Opportunity Employer.

DuPont Central Science & Engineering

Chief, Laboratory of Immunochemistry, FDA, Center for Biologics Evaluation and Research, Office of Blood Research and Review, Division of Transfusion Transmitted Diseases

To direct regulatory activities and a research program related to the prevention of blood-borne infections such as HIV and HTLV. Studies include humoral and cellular immune response to these and related viruses.

Qualifications: Physicians - requirement for Doctor of Medicine or Osteopathy degree from accredited institution. Graduates of foreign medical schools submit copy of permanent Educational Commission for Foreign Medical Graduates (ECFMG) certification. Scientists - doctoral level degree in immunology/chemistry or other related field along with advanced training and/or experience in immunology is desired. Experience in the development, manufacture or testing of biologics is desirable. Highly developed analytical, written and oral skills, as well as the ability to research problems and issues is desired.

GS-13/14: Salary range for Physician is $59,099 - $83,059. Physician may also be eligible for a comparability allowance up to $20,000 per annum. Salary range for Scientist is $49,947 - $76,733. Salary, benefits, and level of responsibility are commensurate with education and experience.

Interested candidates contact Ms. Durphy on (301) 492-4654 to obtain SF-1711 (application for employment) and additional information regarding vacancy announcement.

U.S. Citizenship required. FDA is an EEO Employer and has a Smoke-Free Environment.
**CHEMISTRY OPPORTUNITIES**

Beckman Instruments, Inc., a world leader in laboratory and hospital instrument systems, has the following opportunities:

**MOLECULAR BIOLOGIST**

We are seeking a Ph.D level research scientist interested in the development and evaluation of DNA manipulation protocols for use with automated analytical instrumentation. Required experience includes DNA subcloning, amplification, sequencing and hybridization. Familiarity with laboratory robotics and the principles of capillary electrophoresis is highly desirable. This position primarily requires independent laboratory benchwork; however, participation in multidisciplinary product development teams is expected, requiring the ability to represent customer needs with good communication skills. Minimum 2 years experience. **Refer to job code: GS.**

**QUALITY SCIENTIST**

We are seeking an analytical chemist to plan, design, implement, analyze and report on manufacturing quality using statistical data analysis and experimental design to ensure compliance to Good Manufacturing Practices and ISO requirements. Experience establishing and maintaining GMP practices is essential. Knowledge of HPLC and DNA/protein chemistries is highly desirable. Requirements include BS or MS degree in Chemistry/Biology and a minimum of five years experience in a GMP environment. **Refer to job code: VO.**

For consideration, please send your resume to: Beckman Instruments, Inc. (indicating appropriate job code), 2500 Harbor Blvd., A-40E, Fullerton, CA 92634. Equal opportunity employer.

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**DIRECTOR MOUNT SINAI GENE THERAPY INSTITUTE**

Applications are being accepted for Director of the newly established Gene Therapy Institute at the Mount Sinai School of Medicine. A major institutional commitment has been made to develop gene therapy for genetic disorders, infectious diseases and malignancies. The successful candidate will be an M.D. and/or Ph.D. with an active independent research program whose responsibilities will include: establishment and coordination of the vector, microscopy/assessment, and laboratory animal cores, and a GMP facility; recruitment of faculty; and the design of human gene therapy protocols for local and federal regulatory approval.

The position is available **September 1, 1994.** Salary and rank will be commensurate with experience. To apply, send **curriculum vitae** and three letters of reference to: Dr. R.J. Desnick, Chairman and Professor, Department of Human Genetics, Mount Sinai School of Medicine, Box 1203, One Gustave L. Levy Place, New York, NY 10029-6574. An Equal Opportunity Employer.

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**McGill DEAN OF THE FACULTY OF SCIENCE**

Nominations and applications are invited for the position of Dean of the Faculty of Science of McGill University. The appointment, effective not later than June 1, 1995, is normally for a five-year term and may be renewed.

The Dean is responsible to the Vice-Principal (Academic) for the supervision and administration of the academic programs, budgets and all activities of the Faculty of Science. Candidates should have appropriate scholarly and administrative experience; facility in both English and French is desirable.

McGill University is committed to Equity in Employment.

In accordance with Canadian Immigration requirements, this advertisement is directed in the first instance to Canadian citizens and permanent residents.

Nominations and applications will be most useful if accompanied by a detailed curriculum vitae and the names and addresses of three referees, and should be submitted by October 15, 1994 to:

Dr. T.H. Chan
Vice-Principal (Academic)
McGill University
845 Sherbrooke Street West
Montreal, QC H3A 2T5
RESEARCH OPPORTUNITIES IN AN IDEAL SETTING.

ANERGEN is a dynamic, publicly-held biotechnology company headquartered in the San Francisco Bay Area. We are focused on the development of novel therapeutics for various autoimmune diseases, and our continued success has created the following scientist-level career opportunities:

Scientist/Program Manager

The position requires a Ph.D. in Immunology with a minimum of 3 years' demonstrated immunology research experience. The ability to set up a variety of in vitro and experimental animal models of multiple sclerosis is essential. Management experience preferred. (Job#07225-SS)

Cellular Immunologist

The position requires a Ph.D. in Immunology and 2-3 years' human immunology research experience. Applicants must possess a strong background in the development of human T cell lines and T cell clones. Some knowledge of flow cytometry and lymphokine preferences preferred. (Job#07225-C1)

Protein Biochemist

The position requires a Ph.D. in Biochemistry and 3+ years experience in protein purification, characterization and state-of-the-art assay development for various natural & recombinant proteins. (Job#07225-PC)

We offer attractive compensation, a generous benefits package, including stock options, and the opportunity to make significant scientific contributions. To apply, please send fax resume to Anergen, Inc., Attn: Jobs #07225, 301 Penobscot Drive, Redwood City, CA 94063. Fax: (415) 361-8958. EOE.

Applications Scientists

Fisons Applied Sensor Technology (FAST), a rapidly growing division of worldwide industry leader Fisons Instruments, is seeking an Applications Scientist for its exciting new biomolecular interactions.

The successful candidate will have a Ph.D. and relevant laboratory experience in biochemistry or a related field. Applicants must have a firm command of chemical kinetics, as well as superior presentation and communication skills. Key responsibilities include conducting field and in-house technical seminars and demonstrations, training customers, and developing new applications.

Enthusiastic and multi-talented scientists who want to become an integral part of the FAST team should send their resume with salary history to: Fisons Applied Sensor Technology 53 W. Century Road Paramus, NJ 07652 Equal Opportunity Employer M/F/D. We encourage female and minority responses.

The Lindsley F. Kimball Research Institute of the New York Blood Center invites applications for a Postdoctoral position to study cell-cell interactions, receptor mediated endocytosis, and identification of novel cytokines and their genes.

This Institute-funded position provides the excellent research facilities and environment for professional growth conducive to a well-established laboratory on New York's preferred East side.

Applicants should have a Ph.D. with a strong background in molecular biology and immunology. Experience in protein purification, cell culture and physiological systems desirable. The position commands a salary commensurate with experience.

To apply, please send Curriculum Vitae, summary of research interests, and names and telephone numbers of three to four references to: Dr. D. Banerjee, Department of Membrane Biochemistry II, New York Blood Center, 310 East 67th Street, New York, NY 10021. An Equal Opportunity Employer. M/F/D/V

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Chairperson

SECTION OF PLANT BIOLOGY
UNIVERSITY OF CALIFORNIA, DAVIS

The University of California at Davis announces that the search for Professor and Chairperson of the Section of Plant Biology within the Division of Biological Sciences has been extended and invites applications and nominations for this position. The chairperson will be responsible for providing academic and administrative leadership to promote excellence in teaching and research in the Section. Candidates must have active research programs with outstanding records of achievement in an area of experimental plant biology such as cell and molecular plant biology, developmental plant biology or physiology and biophysics.

The Section offers undergraduate degrees and serves as the administrative core of the Graduate Group in Plant Biology, a campus-wide unit which offers Masters' and Ph.D. degrees. Due to recent retirements, there is an opportunity for significant recruitment of new faculty. The Section will be moving to a newly constructed building in late 1996.

Candidates should submit a curriculum vitae, a statement of their research program, a statement of their teaching and administrative experience and philosophy to:
Chair of the Search Committee
Section of Plant Biology
University of California
Davis, CA 95616

Closing Date: Open until filled. In this extended search, applications will be considered upon receipt.

The University of California is interested in candidates who reflect the highest standards of scholarship and professional activities and who do not discriminate on the basis of race, color, national origin, religion, sex, disability, age or sexual orientation.

The University of California is an Equal Opportunity/Affirmative Action Employer.
Faculty and Postdoctoral Positions in Biochemistry/Molecular Biology/Molecular Genetics

The University of Michigan is seeking highly motivated, creative scientists to fill faculty and postdoctoral positions which can evolve into long-term employment. Preference will be given to candidates who can join us prior to year end.

Applicants should possess a Ph.D. or M.D. with expertise in Biochemistry and/or Molecular Biology. Faculty applicants should possess at least 5-6 years of postdoctoral experience, with demonstrated research excellence and strong written and oral communication skills.

Faculty Positions Are Available To Develop Research Programs To:
1. Identify and characterize genes directly regulated by nuclear retinoid acid or vitamin D receptors.
2. Delineate mechanisms through which ultraviolet light activates transcription factors such as AP-1 and NF-κB, in human skin.

Postdoctoral Positions Are Available To Investigate:
1. Molecular characterization of enzymes (cytochrome P-450) involved in retinoid metabolism, signal transduction pathways (protein kinase cascades) mediating skin irritation, expression and interactions among members of the nuclear receptor superfamily, and regulation of protein kinase C isoenzyme expression (Dr. Gary J. Fisher)
2. Transgenic mouse models to study retinoid action in skin, mechanisms of transcriptional regulation by retinoid receptors (Dr. Jia-Hao Xiao)
3. Psoriasis genetics (linkage and gene identification), tumor suppressor gene function (identification of interacting proteins), and positional cloning of epidermal differentiation genes (selection cloning, exon trapping, and enhancer identification) (Dr. James T. Elder).

U.S. citizens and permanent residents will be considered for NIH Training grant-funded positions.

Please clearly indicate the position(s) that you are applying for. Send curriculum vitae to: John J. Voorhees, M.D., Professor and Chair, Department of Dermatology, University of Michigan, 1910 Taubman Center, Ann Arbor, MI 48109-0314.

The University of Michigan is a non-discriminatory, Affirmative Action employer and encourages applications from candidates who will enrich and contribute to the cultural diversity of our University.

Protein Engineering Postdoctoral Scientist

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We are seeking a Postdoctoral Scientist to work in an aggressive program involving protein engineering. The goal of this program is the generation of unique proteins that serve the specific needs of diagnostic laboratory medicine without changes to the lab's current diagnostic instrumentation. The candidate should have a Ph.D. in a field which provided 1-3 years experience with various aspects of molecular biology. This background should include purification of mRNA, cDNA cloning, PCR-assembly, site-specific and cassette mutagenesis, expression of recombinant genes and M13 based sequencing. Knowledge of protein analysis methods and purification would be helpful. This individual will help solve protein structure/activity problems by working in an exciting multidisciplinary environment with on-going world-class collaborations.

The appointment is for 1 year, renewable for a second year and available now. Competitive salary, benefits and relocation allowance provided.

For consideration please forward your CV to the Human Resources Department at Boehringer Mannheim Corporation, 9155 Hague Road, Indianapolis, IN 46250. Please reference POSTDOC. Principals only please. An Equal Opportunity Employer.

Herpes Virologist

SmithKline Beecham Pharmaceuticals, a worldwide leader in pharmaceutical research is seeking an Investigator and a Scientist to join the product support function of our Molecular Virology and Host Defense Department. The department's 44 members work on projects which encompass basic and applied research on many aspects of molecular virology and the immunology of infectious diseases including the discovery of novel antivirals, viral pathogenesis, immunomodulation, hematological cytokines and stromal cell biology.

Investigator

The selected candidate will plan, supervise and implement product support activities for anti-herpes compounds in addition to contributing to our efforts to discover novel anti-virals; identify key experimental needs and conduct appropriate studies in addition to coordinating the work of numerous outside investigators; apply knowledge of biochemistry, molecular tools and in vitro and in-vivo models of virus infection to expand the profile of antiviral compounds, and present results of work at scientific meetings.

The qualified candidate will have a Ph.D. (or equivalent) in Virology; 3-5 years' postdoctoral experience in studies of herpes viruses, preferably in clinical support virology, drug profiling, or drug resistance mapping; an excellent record of scientific achievement as evidenced from publications, patents, abstracts and presentations; excellent communication skills and the ability to work effectively with individuals of varied backgrounds and disciplines; with industry and supervisory experience preferred. Refer to Job #H0226.

Scientist

Working with an Investigator and other staff, the selected candidate will develop and carry out experimental strategies for expanding the profile of anti-herpes compounds; apply your knowledge of in vitro and in vivo virology techniques, in addition to assisting with data analysis and the preparation of results for presentation.

The qualified candidate will have a BS or MS in Microbiology; 3-8 years’ experience in Virology, with herpes virus experience highly preferred; excellent laboratory skills to include virus culture and animal models, molecular, and biochemical techniques, and data analysis; good communication skills; with industry experience preferred. Refer to Job #H0227.

Based in our modern state-of-the-art research facility in suburban Philadelphia, SmithKline Beecham offers a competitive compensation/benefits/relocation package. Interested applicants should send resume with salary history to: SmithKline Beecham Pharmaceuticals, PO Box 401, Job #____, Conshohocken, PA 19428.

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POSITIONS OPEN

RESEARCH ASSOCIATE
FOOT-AND-MOUTH DISEASE VIRUS RESEARCH

The U.S. Department of Agriculture, Plum Island Animal Disease Center, is seeking a POSTDOCTORAL RESEARCH ASSOCIATE. The Associate will be part of a multidisciplinary research group studying foot-and-mouth disease virus (FMDV) and will concentrate on the study of FMDV receptors. Projects include characterization of bovine and swine integrin molecule(s) involved in virus receptor binding and expressing these integrin genes in receptor negative cells, and studies on the engineering of eukaryotic cells to express novel viral receptor proteins. The research requires experience in immunology, molecular biology, and virology.

Appointments are for two to three years with a salary range of $36,013 to $43,522. Successful candidates must have obtained a Ph.D. within the last three years. Interested individuals should send curriculum vitae, including the names and addresses of three references to: Dr. Barry Baxt, USDA-ARS-NAA, Plum Island Animal Disease Center, P.O. Box 848, Greenport, NY 11944. Telephone: (516) 323-2500; FAX: (516) 323-2507; Email: bbaxt@arr.ars.usda.gov. USDA is an Equal Opportunity Employer. Women and minorities are encouraged to apply.

NEUROSCIENTIST

Neurex Corporation is a rapidly growing biopharmaceutical company in the San Francisco Bay Area. We have an immediate opening for a Scientist with a broad background in molecular neurobiology. The successful candidate will have a Ph.D. in Molecular Physiology or Pharmacology and a minimum of 2 years of relevant postdoctoral electrophysiological characterization and cloned and expressed ion channels. Send resume to: BH-SC-2, Neurex Corporation, 3760 Haven Ave., Menlo Park, CA 94025. Equal Opportunity Employer.

EGG ENERGY MEASUREMENTS
PLANT ECOLOGIST
JOB NUMBER: SBO-94-02

Work location is in Southern San Joaquin Valley, California. Related B.S. degree + 2 years experience or equivalent. Contact: Recruiting, (805) 681-2477. U.S. Citizenship required. EG&G/EM is an Equal Opportunity Employer.

IMMUNOLOGIST

University of California, San Francisco (UCSF) seeks an immunologist with proven experience in the production of monoclonal and polyclonal antibodies. Proficiency in hybridoma technology and cell culture is essential. A Bachelor's degree with 2 to 3 years experience or a Master's degree with 1 to 2 years experience is required. Starting salary up to $35,500. Send curriculum vitae and a list of three references to: Stanley Prusiner, University of California, San Francisco, CA 94143-0518. UCSF is an Affirmative Action/Equal Opportunity Employer.

SYMPOSIUM

CHEMICAL MIXTURES AND QUANTITATIVE RISK ASSESSMENT

The Second Annual Symposium of the Health Effects Research Laboratory will be held November 7-10, 1994 at the North Raleigh Hilton in the vicinity of Research Triangle Park, NC. The focus will be recent progress in chemical mixture research, emphasizing advances in mechanistic understanding. Topics for discussion include: current risk assessment guidelines and practices; experimental and disease models and models to mixtures; and pharmacokinetic and pharmacodynamic interactive mechanisms. The purpose is to identify critical data needs and important future research directions; and to promote active dialogue on the role of mechanistic re- search on chemical mixtures in future risk assessment strategies. For more information, please contact: RSD Conference Coordinator, MD-70, Health Effects Research Laboratory U.S. EPA, Research Triangle Park, NC 27711 Telephone: (919) 541-5123; FAX: (919) 541-4002 Internet: MEETINGSMAIL@HERL4.HERL.EPA.GOV

POSITIONS OPEN

IMMUNOBIOLOGIST

The Department of Pathology at the Cornell University Medical College is searching for a senior-level immunobiologist with a record of scholarly accomplishments and external funding to establish a vigorous independent research program in lymphocyte ontogeny. The candidate will be expected to develop strong collaborative interactions with the clinical and experimental hematopathologists in the Department. Other responsibilities will include teaching medical students, graduate students, and pathology house staff. Rank and salary will be commensurate with the level of scholarly accomplishments. Interested individuals should submit curriculum vitae and the names of three references to: Daniel M. Knowles, M.D., Professor and Chairman, Department of Pathology, The New York Hospital-Cornell Medical Center, 525 East 68th Street, New York, NY 10021.

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The recently-released Version 3.0 includes enhancements that further define ORIGIN's uniqueness. The new curve fitting tool bar, for example, offers users a quick and easy way to set fitting constraints and generate confidence bands for the fit curve. The new Object Edit tool bar allows users to select multiple objects by dragging a "rubber band" and aligning them with a single click.

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