

Electroporator

The Electroporator II connects into existing electrophoresis power supplies, making it less expensive than traditional electroporation units with built-in power supplies. It has variable capacitance and resistance controls. It also accepts standard cuvettes for electroporation of bacteria, yeast, plant, and mammalian cells. **Invitrogen. Circle 139.**

Units Calculator Software

The Units Calculator is software that performs calculations involving units. It does all the necessary conversions automatically and checks that the units make dimensional sense. It recognizes more than 600 units used in science and engineering and handles powers, logarithms, and trigonometric and other functions. The software requires DOS 3.2 or above, 180K random access memory, and an EGA or better monitor for displaying superscripts. **Applied Biomathematics. Circle 140.**

Behavioral Research Software

Version 3.0 of The Observer, a data collection and analysis software package for observational research, contains several new functions. While The Observer is already commonly used in pharmacology, psychology, zoology, and entomology, the new version will find applications in fields as diverse as ergonomics, machine downtime recording, sports research, market research, software and hardware usability testing, labor and time studies, traffic analysis, and analysis of group interactions. The program now sup-

ports all commonly used sampling and recording methods, and coding systems can now have a practically unlimited number of elements. A video interfacing module facilitates coding behavior from a videotape, connected with a video timecode reader independent of video playback speed. Data analysis features have been expanded with reliability analysis, lag sequential analysis, and integrated analysis of behavior, physiology, and environmental parameters. **Noldus Information Technology. Circle 141.**

Centrifugal Anion-Exchange Filter

The Ultrafree-MC DEAE is a centrifugal filter device containing a microporous regenerated cellulose membrane derivatized with diethylaminoethyl (DEAE) anion-exchange groups. The device provides researchers with a means of fractionating small volume samples rapidly using the highly selective properties of ion-exchange membranes. Samples of up to 400 μ l are placed in an insert containing a membrane. The insert is then placed into a microfuge tube and centrifuged. Samples in the upper insert flow into the tube to be collected. Depending on the selectivity of the central membrane, biomolecules will flow into the filtrate, or be immobilized on the filter surface. The membrane filters out biomolecules based on charge. **Millipore. Circle 142.**

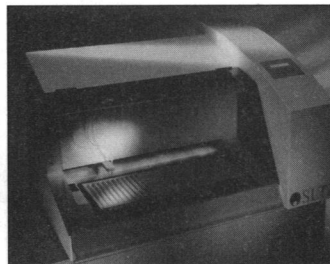
File Transfer Software

The FileRunner for Windows program is designed for anyone who uses more than one personal computer (PC) and needs to transfer the latest version of important files onto all the PCs. The

program automates and safeguards file transfer and synchronization from your office to your home to your notebook, and even to networked computers in a Windows environment. **MBS Technologies. Circle 143.**

Protein Immunoblot Processor

The profiBLOT is a processor for protein immunoblotting and related protocols. Most commercially available reagents and strip kits can be easily programmed



into the instrument by the user. Automatic prime and rinse cycles are built in and reduce method change-over times. **SLT Laboratories. Circle 144.**

DNA Purification Systems

GENECLEAN is a DNA purification system to rapidly purify DNA from agarose and acrylamide gels, solution contaminants or other contaminants, restriction enzymes, or any DNA modifying enzymes. The procedure can be completed in 20 min with a consistent recovery rate of more than 85% for DNA in the 500 bp to 15 kb range. The Mermaid Kit is designed to rapidly purify oligomers, polymerase chain reaction products, or low molecular weight DNA from gels or solutions. In both kits, a unique glass silica matrix designed to

quickly bind to DNA eliminates the need for phenol-chloroform extractions. **BIO 101. Circle 145.**

Literature

OAKTON Microprocessor-Based pH/mV/ $^{\circ}$ C Meters is an eight-page catalog featuring a complete selection of hand-held and pocket-sized instruments and kits for measuring pH, conductivity, total dissolved solids, ion concentrations, and temperature. **OAKTON. Circle 146.**

Biochemicals, Organic Compounds for Research, and Diagnostic Reagents lists more than 33,000 compounds, including chromatography reagents, filtration supplies, and specialty product groups such as enzymes, peptides, immunochemicals, and reagents for molecular biology and tissue culture. **Sigma Chemical. Circle 147.**

Biomass News is a free newsletter covering new technology, products, and services in fermentation and cell culture bioprocessing. The current issue features a case study of hybridoma growth compared in static, suspension, and packed-bed cultures. New product introductions of a benchtop fermentor, agar sterilizer, and six-platform shaker are also included. **New Brunswick Scientific. Circle 148.**

SPEX Inorganic Quality Control Samples is a brochure that details an expanded product line of U.S. Environmental Protection Agency-certified samples for environmental analysis. **SPEX Industries. Circle 149.**

VIA is a 15-page magazine containing articles about a variety of applications for chromatography and spectroscopy products. The most recent issue covers how to monitor the workplace to protect health workers from accidental drug exposure and describes a fully computer-controlled, inductively coupled plasma-mass spectrometer. **Varian Associates. Circle 150.**

Newly offered instrumentation, apparatus, and laboratory materials of interest to researchers in all disciplines in academic, industrial, and government organizations are featured in this space. Emphasis is given to purpose, chief characteristics, and availability of products and materials. Endorsement by *Science* or AAAS is not implied. Additional information may be obtained from the manufacturers or suppliers named by circling the appropriate number on the Readers' Service Card and placing it in a mailbox. Postage is free.

EMPLOYMENT EXCHANGE '94

Information Bulletin

Vol. 2, Issue 1

January 1994

Annual Meeting Edition

WASHINGTON, December '93 - The American Association for the Advancement of Science operates a year-round Employment Exchange which includes on-site operations during the weeks of the AAAS national and divisional meetings. The Employment Exchange is a career opportunities/career development service for job candidates and employers. Interview scheduling, position posting, a message center, job and resume referrals, career development seminars, and private interview booths are provided during the week of the national meeting. A job and resume referral service and career development seminars are provided at the divisional meetings.

Enrollment in the Employment Exchange is FREE to AAAS member candidates and AAAS Corporate Members. Nonmember employers and nonmember candidates are charged a fee. Candidates planning to be available on-site at the meeting are required to be registered as conference attendees or as "Employment Exchange/Exhibition Only" attendees (applies to national meetings). Employers planning to conduct on-site interviews are not required to register for the meetings. However, if an employer wishes to attend any of the meeting sessions, workshops, etc., meeting registration is required.

Candidates Profile

Each year, candidates representing a wide-spectrum of scientific and technical disciplines enroll with the Exchange. Enrolled candidates have B.S. thru Ph.D. degrees, of which 80% are in the life sciences disciplines. More than half of the candidates on file have over 5 years of experience working in their respective disciplinary areas.

Employer Benefits

An employer who pays the annual fee to enroll with the Employment Exchange will receive several benefits including:

- ☒ Access to hundreds of top-notch candidates' resumes cross-referenced by discipline, (including candidate file searches).
- ☒ On-site interview facilities/interview booth at AAAS'94.
- ☒ Unlimited position available postings.
- ☒ Subscription to the *Employment Exchange Bulletin*, which contains a brief synopsis of each available candidate enrolled with the Exchange.
- ☒ Special rates for AAAS Annual Meeting exhibitors, academic and nonprofit organizations.
- ☒ Job & Resume Referral service at divisional meetings.
- ☒ No charge for AAAS Corporate Members.

Candidate Benefits

Candidates who enroll with the Employment Exchange receive the following benefits:

- ☒ FREE enrollment for AAAS member candidates. (Nonmembers pay a modest \$10 annual enrollment fee).
- ☒ Hundreds of current position openings in a variety of disciplines and experience levels.
- ☒ On-site interview facilities, including on-the-spot interviews.
- ☒ Access to full descriptions of all available positions (meeting attendees only). To purchase postings, see below.*
- ☒ On-site Career Development Seminars.
- ☒ Employment Exchange Only fee for non-conference attendees. (Applicable for the AAAS national meeting only).

Fees Schedule

CANDIDATES

Enrollment Fees (annual fee):

AAAS Members	FREE
Nonmembers	\$10.00

Optional Fees (annual fee):

*List of Positions Posted (for candidates not attending meeting)

Member price	\$15.00
Nonmember price	\$25.00

Employment Exchange Only Fee (for candidates not registered for regular meeting attendance)

Member (with proof of membership)	FREE
Nonmember	\$50.00

EMPLOYERS

Enrollment Fees (annual fee):

AAAS Corporate Member	FREE
Nonprofit/Academic Employer	\$250.00
Corporate Employer	\$400.00

Registered AAAS'94 Meeting Exhibitors may participate in the on-site Employment Exchange operation at no additional cost.

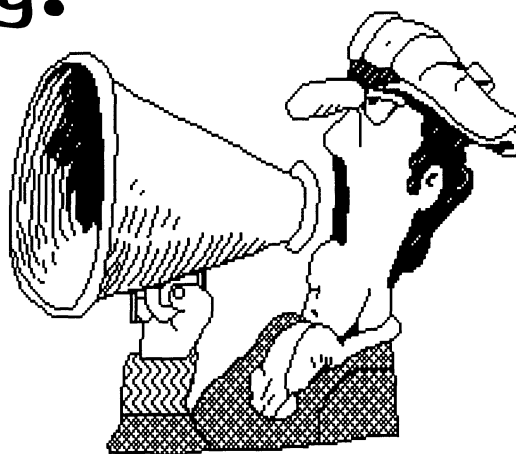
Job & Resume Referral Fees (per posting):

SCIENCE Advertiser	\$ 50.00
Non-Advertiser	\$ 75.00

TO ENROLL: Complete the appropriate enrollment forms and forward to: Jacquelyn Roberts, AAAS Employment Exchange, 1333 H Street, NW, Suite 1163, Washington, DC 20005 USA. (If forms are missing, call (202) 326-6737 to request more information).

"Scientific Recruiters! Don't miss the SCIENCE CAREER DAY at the AAAS☆94 Annual Meeting in February!"

Enroll today and reserve your booth for the EMPLOYMENT EXCHANGE including SCIENCE CAREER DAY which will be conducted during the AAAS☆94 Annual Meeting, (February 20-23, 1994 at the San Francisco Hilton).



- Three full days of recruitment and interviewing opportunities followed by one full day of Career Development Seminars.
- Unlimited position postings.
- Access to hundreds of top-notch candidates' CVs/resumes (cross-referenced by discipline).
- Candidate "Preview" Bulletin (mailed out 2 weeks before meeting).
- Employer Reading Room and Coffee Breaks.
- "SCIENCE CAREER DAY", providing employers the opportunity to informally meet with candidates in a "job fair setting" to discuss career opportunities.

TO ENROLL: Complete the enclosed Employer Enrollment Form and mail or fax it in to reserve your booth space. Position descriptions may be mailed in to the Employment Exchange office by February 7, 1994 or you may bring them with you. ACT FAST! Space is limited and is assigned on a first-come, first-served basis.

AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE

1333 H Street, NW, Washington, DC 20005 (202) 326-6737

EMPLOYMENT EXCHANGE '94

EMPLOYER

Name _____
Title _____
Organization _____
Department _____
Address _____
City _____ State _____ ZIP _____
Daytime Phone (____) _____ ext. _____ FAX (____) _____

EMPLOYMENT EXCHANGE '94

ENROLLMENT FEES (annual fee):

- | | | |
|--------------------------|-----------------------------|----------|
| <input type="checkbox"/> | AAAS Corporate Member | FREE |
| <input type="checkbox"/> | Nonprofit/Academic Employer | \$250.00 |
| <input type="checkbox"/> | Corporate Employer | \$400.00 |
| <input type="checkbox"/> | AAAS☆94 Meeting Exhibitor | * |

Registered AAAS☆94 Meeting Exhibitors may participate in the on-site Employment Exchange operation at no additional charge.

JOB & RESUME REFERRAL FEES

Posting Only Fees (not conducting on-site interviews):

- | | | |
|--------------------------|--|----------|
| <input type="checkbox"/> | Per Posting: <i>SCIENCE</i> Advertiser | \$ 50.00 |
| <input type="checkbox"/> | Per Posting: Non-Advertiser | \$ 75.00 |

TOTAL AMOUNT SUBMITTED: \$_____

PAYMENT:

- ☐ Check enclosed
☐ Please invoice, purchase order attached
☐ Will pay on-site
☐ Please bill my credit card: ☐ VISA ☐ MasterCard
Card# _____
Expiration Date _____
Signature _____

NOTE: The employer enrollment fee is an annual fee and includes unlimited postings, participation in Science Career Day, an interview/recruitment booth, and up to three recruiters for AAAS☆94 operation. Also included is the Job and Resume Referral Service operated at the AAAS divisional meetings, a subscription to the *Employment Exchange Bulletin*, and unlimited candidate file searches throughout the year.

AAAS☆94 Annual Meeting

- ☐ **YES! We plan to conduct on-site interviews at the AAAS☆94 Annual Meeting in San Francisco (20-23 February).**

RECRUITERS ATTENDING:

Name _____ Telephone _____

Name _____ Telephone _____

Name _____ Telephone _____

DAYS INTERVIEWING:

- | | |
|--|---|
| <input type="checkbox"/> Sunday (12 Noon - 6 pm) | <input type="checkbox"/> Monday (10 am - 5 pm) |
| <input type="checkbox"/> Tuesday (10 am - 5 pm) | <input type="checkbox"/> Wednesday (10 am - 2 pm) |

NOTE: Science Career Day provides employers the opportunity to informally meet with candidates in a job-fair setting. **Science Career Day will be held on Sunday, 20 February.** In order to begin the career fair promptly at noon, employers must complete enrollment and booth setup by 11:30 a.m. on Sunday.

- ☐ Please send additional information for:

- ☐ AAAS☆94 Annual Meeting
☐ AAAS SWARM Division Annual Meeting (May 1994)
☐ AAAS Pacific Division Annual Meeting (June 1994)
☐ AAAS Corporate Membership

INSTRUCTIONS: 1) Complete enrollment form including the days you will be interviewing at AAAS☆94. 2) Prepare your position available description(s) on an 8.5" x 11" page (letterhead is acceptable). Description(s) should include: position title, educational and experience requirements, geographical location, field of work and duties, annual salary/range (if desired), position availability date, organization name, address, and name of contact person. 3) Submit appropriate payment (check, credit card info, or original purchase order) with completed enrollment form and position description(s) to the address above. **NOTE:** Payment of enrollment fees for the Employment Exchange does not include meeting registration. If you wish to attend lectures or scientific sessions, you must register for the meeting.

SCI194

AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE

1333 H Street, NW, Washington, DC 20005 (202) 326-6737

EMPLOYMENT EXCHANGE '94

CANDIDATE

File No. _____

Name _____

Contact Address _____

City _____ State _____ ZIP _____

Phone- Work (____) _____ Home (____) _____

Citizenship _____ Visa Type _____

(if non-US citizen)

Will you be available for an on-site interview at the:

AAAS★94 Annual Meeting ☐ Yes ☐ No ☐ Send meeting info

SWARM Division Annual Meeting ☐ Yes ☐ No ☐ Send meeting info

Pacific Division Annual Meeting ☐ Yes ☐ No ☐ Send meeting info

AAAS Membership No. _____

NOTE: If new member, enter "NEW" (12-digit number on *SCIENCE* label)

Discipline _____

Highest Degree _____ Mo./Yr. obtained _____

Position(s) sought:

☐ Postdoctoral ☐ Consultant

☐ Academic ☐ Research

☐ Government ☐ Development

☐ Nonprofit ☐ Administrative

☐ Industrial ☐ Management

☐ Other _____

Salary desired _____

Date available _____

Geographic preference _____

POSITION SOUGHT AD: Please prepare your Position Sought Ad (PSA) in the box provided. Your PSA should include discipline, degree, degree date (month/year), skills and techniques, experience, salary desired, geographical preference, and date of availability (see sample). No personal information (names, addresses, phone numbers) will be published in the PSA. **NOTE: The next mailing of the Employment Exchange Bulletin will be in February 1994. Forms must be received before February 1, 1994 in order to be included in the February (AAAS★94 Annual Meeting) issue.**

Please TYPE. Information will be scanned using OCR software.

SAMPLE AD

BIOCHEMISTRY; Ph.D., 6/90; Protein purification and characterization; HPLC and conventional gravity column chromatography, protein assay development, sucrose gradient centrifugation, PCR, subcloning, gene expression, in vitro transcription/translation, site-directed mutagenesis, Western blotting, immunoprecipitation, cell culture, RIA; 2 yr. postdoc experience; Salary negot.; No geog. pref.; Avail. 2/93.

FEES: Enrollment with the Employment Exchange is a FREE service for AAAS members. Nonmembers are required to pay a \$10 enrollment fee (US funds). Meeting attendance is not required in order to enroll with the Employment Exchange; however all candidates planning to be available on-site at the meeting(s) are required to be registered as a meeting attendee or as an "Employment Exchange/Exhibition Only" attendee (applicable for AAAS★94 Annual Meeting). Effective September 1993, "Employment Exchange/Exhibition Only" fees are FREE for AAAS members and \$50 for nonmembers. **NOTE: Candidates who paid the "Employment Exchange/Exhibition Only" fees for the Science Innovation '93 conference may attend the Employment Exchange operation at the AAAS★94 Annual Meeting at no additional charge.**

INSTRUCTIONS: Complete the Candidate Enrollment Form by including your name, mailing address, and daytime telephone number where you may be reached. Prepare your Position Sought Ad as indicated above. Enclose a current curriculum vitae (including a listing of three professional references), along with applicable fees, and mail to: **Jacquelyn Roberts, Manager, AAAS Employment Exchange, 1333 H Street, NW, Suite 1163, Washington, DC 20005.**

SCIENCE

PERSONNEL PLACEMENT

LINE CLASSIFIED ADVERTISEMENTS

- **Deadlines:** Ads are due by Thursday, 10 a.m., 2 weeks prior to the issue date. *Science* is published each Friday, except the last Friday of the year. Call for holiday deadlines. Advertisements must be submitted in writing.
- **How to Submit a Classified Ad:** Prepare double-spaced typewritten copy. Do not include any abbreviations. *Science* will edit and typeset ads according to *Science* guidelines. Include billing information, and desired publication date. Available categories: Positions Open, Meetings, Announcements, Courses and Training.
- **Mail or FAX materials to:**
Science Classified Advertising
1333 H Street, N.W., Room 814
Washington, DC 20005
Telephone: 202-326-6555
FAX: 202-682-0816
- **Rates:** Ads are \$42 per line; \$420 minimum. One line equals 52 characters and spaces; centered headings equal 32 characters and spaces. A 3% cash discount is granted to all prepaid ads.
- **Ads from Outside the U.S.:** A discount of \$30 will be offered to advertisers making payment in U.S. dollars by checks drawn on U.S. banks. Contact Annemarie Vis at +44 223 302067 (telephone) or +44 223 302068 (FAX).
- **Credit Cards:** *Science* accepts MasterCard and VISA. Discount does not apply to credit cards.
- **Cancellations:** Deadline for cancellation is 10 a.m., Tuesday, 10 days prior to issue date.

DISPLAY PERSONNEL ADVERTISEMENTS

For rates and info. about fractional display ads (all ads 1/2 page and larger), contact:

Recruitment Advertising
Deborah Cummings
Telephone: 202-326-6541

Janis Crowley, Recruitment
Advertising Manager
Telephone: 212-496-7704
FAX: 202-682-0816

Annemarie Vis
European Recruitment Advertising
Telephone: +44 223 302067
FAX: +44 223 302 068

CONDITIONS: Personnel advertising is accepted only with the understanding that the advertisers do not discriminate among applicants on the basis of race, sex, religion, age, color, handicap or sexual preference. The AAAS encourages employers to actively recruit and employ underrepresented minority groups. *Science* reserves the right, at its discretion, to decline to publish advertisements submitted to it.

POSITIONS OPEN

INTEGRATIVE NEUROSCIENTIST Department of Physiology & Biophysics and the Regional Primate Research Center UNIVERSITY OF WASHINGTON

Candidates sought for an ASSISTANT or JUNIOR ASSOCIATE PROFESSOR level faculty position in the field of integrative neuroscience. Possible research areas include the neural basis of sensation/perception, cognition, autonomic function, learning and memory and others. Candidates must have a doctoral degree. They will be expected to develop their own independent research program and teach. Focus is on candidates who see opportunity to work with nonhuman primate models as essential to their research career goals. Background in primate research desirable but not essential. Primary selection criteria will be history of scientific excellence and promise of continued research performance of highest scientific and academic caliber. Send statement of current and future research plans, curriculum vitae, and names of three references to: **Albert F. Fuchs, Ph.D., Chair, Search Committee, Regional Primate Research Center, SJ-50, University of Washington, Seattle, WA 98195. Telephone: (206) 543-8014.** Application closing date is March 1, 1994. *University of Washington is an Affirmative Action/Equal Opportunity Employer.*

The newly established Division of Circulatory Physiology at Columbia University College of Physicians and Surgeons invites applications for its growing biomedical research program. Plans for expansion are aimed at the creation of a world class research effort in the area of heart failure research. Basic scientists with expertise in the areas of molecular and cellular biology and basic pharmacology who have demonstrated excellence in conducting independent research are encouraged to apply. Candidates should be able to compete for extramural research support and possess either M.D. or Ph.D. in relevant field. Several positions will be available at the ASSISTANT PROFESSOR, ASSOCIATE RESEARCH SCIENTIST and ASSOCIATE PROFESSOR level. Academic appointment and compensation will be commensurate with experience. *We take Affirmative Action toward Equal Opportunity.* Please submit curriculum vitae, a brief statement of research interest, copies of representative publications and the names of three references to: **Milton Packer, M.D., Chief, Division of Circulatory Physiology, Columbia University, College of Physicians and Surgeons, 630 West 168th Street, New York, NY 10032.**

ENVIRONMENTAL STUDIES: ASSISTANT PROFESSOR, tenure-track, faculty position starting August 1994. Ph.D. in physical or natural sciences, or interdisciplinary program. Priority: energy specialist. Other specialties considered, such as conservation or soils biology, ecosystems management, waste management, water resources, and environmental law. Send letter, curriculum vitae, transcripts, and three references postmarked or FAXed by March 1, 1994, to: **Dr. Gary Klee, Chair, Environmental Search Committee, Department of Geography and Environmental Studies, San Jose State University, San Jose, CA 95129-0116. FAX: (408) 924-5477. Telephone: (408) 924-5455.** *SJSU is an Equal Opportunity/Affirmative Action Employer.*

BENTHIC ECOLOGY

Applicants are invited for an anticipated (pending administrative approval) tenure-track position in **Benthic Ecology** at the ASSISTANT PROFESSOR level beginning August 1994. Candidates must possess a Ph.D. and a strong commitment to teaching. Successful candidates are expected to develop externally funded independent research programs that lead to timely publication and that actively involve students. The College of Charleston is a liberal arts institution whose primary aim is teaching excellence. Biology offers undergraduate instruction leading to the B.A. or B.S. degree, including an undergraduate marine biology emphasis, and an M.S. degree in Marine Biology. Biology operates the Grace Marine Biological Laboratory on Charleston Harbor. Applicants should submit curriculum vitae, statement of teaching and research interests, copies of relevant publications, and three letters of reference to: **Chair, Department of Biology, College of Charleston, Charleston, SC 29424-0001.** All application materials should be received by February 9, 1994. *The College of Charleston is an Equal Opportunity/Affirmative Action Employer.*

POSITIONS OPEN

STANFORD UNIVERSITY—ECOLOGIST/EVOLUTIONARY BIOLOGIST. The Department of Biological Sciences seeks a biologist studying species interactions from an ecological and/or evolutionary point of view. This tenure-track position will be filled at the ASSISTANT PROFESSOR level. *Applications from women and members of minority groups are strongly encouraged.* Applicants for this position should send a letter of application and research interests, curriculum vitae, and at least three letters of reference directly to: **Search Committee, Department of Biological Sciences, Stanford University, Stanford, CA 94305.** The closing date for these applications is February 25, 1994.

ASSISTANT PROFESSOR OF BIOLOGY. Applications are invited for a one-year sabbatical replacement position anticipated to begin September 1994. Ph.D. required. Salary competitive and consistent with level of experience. Teaching responsibilities will include cell biology and immunology. Kalamazoo College is a highly selective, nationally known liberal arts college that takes pride in its tradition of outstanding undergraduate science education. Candidates are expected to have high aptitude and interest in undergraduate teaching, a commitment to the liberal arts, and a desire to involve undergraduates in scholarship both inside and outside the classroom. Completed applications received by February 15, 1994, will receive full consideration, with later applications reviewed as needed until the position is filled. Send letter of application, curriculum vitae, undergraduate and graduate transcripts (unofficial accepted), statement of teaching philosophy and research interests, and three letters of recommendation to: **Dr. Carolyn R. Newton, Department of Biology, Kalamazoo College, Kalamazoo, MI 49006-3295.** *To ensure that its searches consider women and minority candidates, the College especially invites such qualified individuals to apply, and to identify themselves if they wish. Equal Opportunity Employer.*

The Department of Anatomy, College of Medicine, Michigan State University, invites applications for a full-time, tenure-track, academic-year, ASSISTANT PROFESSOR position. Applicants must have a Ph.D. or equivalent degree; postdoctoral experience is preferred. We are seeking candidates with demonstrated research expertise in neurobiology/cell biology who would establish an active research program as well as complement current faculty research programs in these general areas. The successful candidate should be qualified to teach Human Gross Anatomy and be committed to excellence in medical education. Prior teaching experience in a medical school basic science curriculum is preferred. Salary will be commensurate with experience and university/college guidelines. Interested candidates should send curriculum vitae, reprints, statement of current and future research plans and names of three references by June 1, 1994, to: **Dr. Joseph Vorro, Chair, Department of Anatomy, Michigan State University, East Lansing, MI 48824.** Applicants should indicate the academic position number **OM 388E.** *Handicapped applicants have the right to request and receive reasonable accommodation. Women and minorities are encouraged to apply. Equal Opportunity/Affirmative Action Employer.* Approval pending with the office of the Provost.

ASSISTANT PROFESSOR Zoology

Two anticipated tenure-track ASSISTANT PROFESSOR position(s), starting August 1994, "Pending Final Approval." (1) **Comparative Animal Physiology:** Preference will be given to applicants using aquatic organisms as experimental models in the area of signal transduction. Instructional duties include vertebrate physiology and advanced course. (2) **Aquatic Community Ecology:** Preference will be given to applicants using theoretical or modeling approaches in the study of food webs, conservation/biodiversity or ecotoxicology. Ph.D. or equivalent degree in a biological science is required. Postdoctoral experience preferred. Successful candidate(s) are expected to develop a strong, independent research program with extramural support, and have a commitment to teaching excellence. Candidates should submit a statement of research interests, teaching philosophy, curriculum vitae and three references by February 15, 1994, to: **Faculty Search Committee, Department of Zoology and Physiology, Louisiana State University, Baton Rouge, LA 70803-1725.** *LSU IS AN EQUAL OPPORTUNITY/AFFIRMATIVE ACTION EMPLOYER.*

POSITIONS OPEN

UNIVERSITY OF WISCONSIN-WHITEWATER 2 Positions, Biological Sciences

PLANT PHYSIOLOGIST. Teach general botany, plant physiology and genetics, as well as general biology for non-majors and the introductory general education course.

EVOLUTIONARY BIOLOGIST specializing in reptiles or amphibians. Teach general zoology, evolution and general biology for non-majors and the introductory general education course.

Both positions are full-time, tenure-track positions at the **ASSISTANT PROFESSOR** level. Applicants should be able to conduct research that is compatible with available facilities and that could involve undergraduate students. Doctoral degree and teaching experience in biological sciences required. Send letter of application, unofficial graduate and undergraduate transcripts, and 3 letters of recommendation by February 28, 1994, to: **Dr. Stephen Solheim, Biology Department, University of Wisconsin-Whitewater, Whitewater, WI 53190.** Names of applicants may be made public unless applicant requests otherwise. *UW-W is an Affirmative Action/Equal Opportunity Employer.*

CELL BIOLOGIST ASSISTANT/ASSOCIATE PROFESSOR

Applications are sought for a tenure-track position in the Department of Physiology, University of Connecticut Health Center. A new interdisciplinary Center is being formed by a number of established laboratories employing advanced imaging technologies. The successful candidate will join the Center and is expected to have a strong independent research program in cell biology that includes, but is not restricted to, imaging techniques. Please send curriculum vitae, a detailed statement of research interests and plans and the names of 3 references to:

**Dr. Leslie Loew, Director
Center for Advanced Imaging Technology
Department of Physiology
University of Connecticut Health Center
Farmington, CT 06030 - MC 3505**

AN AFFIRMATIVE ACTION/EQUAL OPPORTUNITY EMPLOYER, M/F/PwD/V.

ASSISTANT PROFESSOR OF PHARMACOLOGY, tenure-track position in the Department of Physiology and Pharmacology. The area of research is open but major areas of departmental research involve the cardiovascular and central nervous systems. The successful candidate will be expected to develop a research program and participate in teaching both medical and graduate students. Please send curriculum vitae, names and addresses of four references, recent reprints, and a brief statement of research interests to: **Dr. Frederick J. Goldstein, Chair, Search Committee, Department of Physiology and Pharmacology, Philadelphia College of Osteopathic Medicine, 4170 City Avenue, Philadelphia, PA 19131-1694.** *Equal Opportunity/Affirmative Action Employer.*

The Department of Biology, Valdosta State University, invites applications for three tenure-track faculty positions (**ASSISTANT or ASSOCIATE PROFESSORS**). **Position 1:** Ph.D. required in a biological science that includes a concentration in microbiology or a related area. Primary teaching will be in microbiology for the allied health sciences, but may include human anatomy and physiology or survey biology. **Position 2:** Ph.D. required in a biological science that includes a concentration that complements teaching primarily in the area of human anatomy and physiology, but may include survey biology. **Position 3:** Ph.D. required in a botanical science that includes a concentration in one of the following or related areas: anatomy, morphology, physiology, plant genetics. Teaching in area of specialization and survey biology. In addition to a commitment to undergraduate teaching, applicants will be expected to participate in student advising, public service activities, and to be productive in scholarly research. Completed applications will be accepted until February 15, 1994. Submit letter of application, current résumé, official transcripts, and three letters of recommendation to: **Dr. Wayne R. Faircloth, Department of Biology, Valdosta State University (VSU), Valdosta, GA 31698-0015.** *VSU is an Equal Opportunity/Affirmative Action Employer.*

POSITIONS OPEN

ASSISTANT PROFESSOR

The Department of Biological Sciences is recruiting for a tenure-track position beginning fall 1994 for a person with research interests in some aspect of Mammalian Physiology. The candidate will be expected to teach from among undergraduate courses in Mammalian, Cell, Comparative, Endocrine and Neurophysiology, Introductory Biology, Anatomy and Physiology and will be required to initiate an active research program involving undergraduate and graduate students. Qualifications—Ph.D. in appropriate area and postdoctoral experience preferred. Salary \$29,931 to \$50,205. Submit curriculum vitae and related materials to: **Dr. Thomas E. Jensen, Professor and Chairman, Department of Biological Sciences, Lehman College/CUNY, Bronx, NY 10468-1589** by February 10, 1994. *Lehman College is an Equal Opportunity/Affirmative Action Employer.*

ASSISTANT PROFESSOR IMMUNOLOGY

The Department of Microbiology and Immunology, Indiana University School of Medicine, invites applications for a tenure-track faculty position. At least two years of postdoctoral experience required. Particular attention will be given to applicants with research interests and credentials in the areas of regulation, development or activation of lymphocytes and/or transplantation immunology. Successful candidate is expected to develop an independent and imaginative research program and have a commitment to teaching medical and graduate students. Newly remodeled space and generous start-up funds are available. The appointee will also be a member of the Walther Oncology Center. Applicants should send curriculum vitae, a statement of their research plans and a list of three references to: **Dr. D. C. Bauer, Professor and Chairman, Department of Microbiology and Immunology, Indiana University School of Medicine, 635 Barnhill Drive, Indianapolis, IN 46223.** Screening of applicants will begin March 1, 1994, and continue until the position is filled. *Indiana University is an Equal Opportunity/Affirmative Action Employer.*

ASSISTANT, ASSOCIATE or FULL PROFESSOR (up to 3 positions) in the **Center for Pharmaceutical Biotechnology** in biotechnology/pharmaceutics, available September 1994, with tenure-track appointments in the Department of Pharmaceutics and Pharmacodynamics. Ph.D. required; postdoctoral experience desirable. Responsibilities include developing a strong, externally funded research program, and teaching in the graduate and professional pharmaceutics programs. The Center environment fosters collaboration and cooperation, bringing together campus researchers from all biotechnology-related disciplines. Curriculum vitae, description of research interests, and three letters of reference should be forwarded to: **Dr. M. E. Johnson, Interim Director, Center for Pharmaceutical Biotechnology (m/c 874), University of Illinois at Chicago, 833 South Wood Street—m/c 874, Chicago, IL 60680-7231.** Screening of applications will begin on 1 March 1994 and continue until positions are filled. *The University of Illinois is an Affirmative Action/Equal Opportunity Employer.*

FACULTY POSITION: Department of Immunology/Microbiology

The Department of Immunology/Microbiology at Rush Medical College invites applications for a tenure-track position at the **ASSISTANT PROFESSOR** level or above. We are seeking an outstanding individual who is using molecular biology methodology to explore basic immune mechanisms and/or disorders. The successful applicant is expected to have or to develop an active research program based on extramural support and will interact with investigators with strong programs in acute phase reactants, HIV/AIDS immunology, cellular immunology, allergy and virology. Teaching opportunities include both medical and graduate student courses. Interested individuals should send curriculum vitae, a statement of research plans, and names of three references to: **Dr. Gregory T. Spear, Head of Recruiting Committee, Department of Immunology/Microbiology, 1653 West Congress Parkway, Rush Medical College, Chicago, IL 60612.** Deadline for receipt of applications is March 1, 1994. *Rush-Presbyterian-St. Luke's Medical Center is an Equal Opportunity/Affirmative Action Employer.*

POSITIONS OPEN

UNIVERSITY OF SOUTH CAROLINA BEAUFORT

BIOLOGY: Tenure-track **ASSISTANT PROFESSOR** for undergraduate courses. Earned doctorate required. College teaching experience preferred. Candidates should submit (1) a letter of interest, (2) curriculum vitae, (3) graduate transcripts, (4) the names and telephone numbers for three professional references to: **Dr. Ed Caine, USCB, 801 Carteret Street, Beaufort, SC 29902.** Review of applications: January 21, 1994. Starting date: August 16, 1994. *USC Beaufort is an Equal Opportunity Employer.*

ZOOPLANKTON ECOLOGIST

ASSISTANT PROFESSOR, tenure-track position in zooplankton ecology, Eastern Washington University, Department of Biology. Teaching responsibilities will include a three-quarter general biology sequence for majors, ecology, and an upper-division or graduate specialty course preferably in zooplankton population ecology. The successful candidate will be expected to conduct research, direct graduate students at the Master's level and develop a funded research program. The candidate must have a Ph.D., postdoctoral experience, and prior teaching experience.

Eastern Washington University is a state comprehensive university committed to increasing the diversity of its faculty, staff, students, and academic program offering and to strengthening sensitivity to diversity throughout the institution. We are an Affirmative Action/Equal Opportunity Employer, and applications from members of historically underrepresented groups are especially encouraged. Applicants must send curriculum vitae, statement of teaching and research, and the names and addresses of three references by March 11, 1994, to: **Dr. S. Schwab, Chair, Department of Biology MS #72, Eastern Washington University, Cheney, WA 99004-2499.**

FACULTY POSITION ANATOMY AND CELL BIOLOGY

The Department of Anatomy and Cell Biology, University of North Texas Health Science Center at Fort Worth, invites applications for a tenure-track position to begin September 1994 at the **ASSISTANT/ASSOCIATE PROFESSOR** level. Applicants should have a Ph.D., postdoctoral experience, and the ability to direct a vigorous, independent research program. Candidates at the Associate level should have current extramural support and the potential for future support. Departmental research interests include cell and molecular biology, neuroscience, and visual science (North Texas Eye Research Institute). Teaching expertise in one of the anatomical sciences and/or graduate courses in cell and molecular biology is required. A competitive salary, generous start-up funds, modern laboratory space, and outstanding research support facilities are available. Applicants should submit curriculum vitae, a brief statement of research goals, and have three letters of reference sent to: **Dr. Victoria L. Rudick, Department of Anatomy and Cell Biology, UNT Health Science Center, 3500 Camp Bowie Boulevard, Fort Worth, TX 76107-2699.** *An Equal Employment Opportunity/Affirmative Action Employer.*

NEUROIMMUNOLOGIST

Applications are invited for a tenure-track position at the **ASSISTANT PROFESSOR** level in the Department of Microbiology and Immunology, the Brain and Development Research Center and the Program in Molecular Biology. Applicant must have a Ph.D. or M.D. and appropriate postdoctoral training. Individuals with an interest in the immunology of the nervous system, including the area of pathogenesis, and employing cutting-edge molecular and cellular approaches are sought. Ability to establish and operate an externally funded research program, and teach medical and graduate students is expected. Laboratory space will be located in the Brain and Development Research Center. Adequate funds are available to allow the establishment of an outstanding research program. Please submit curriculum vitae, a brief description of research accomplishments and future interests, and 3 letters of reference by March 1, 1994, to: **Dr. Stephen Clarke, Chair, Search Committee, Department of Microbiology and Immunology, University of North Carolina at Chapel Hill, CB#7290, 804 FLOB, Chapel Hill, NC 27599-7290.** *UNC at Chapel Hill is an Equal Opportunity/Affirmative Action Employer.*

Bioprocess R&D PhD Biochemistry Career Opportunity

Merck Research Laboratories, a world leader in pharmaceutical and vaccine research, is expanding its biotechnology vaccine process development area and is currently seeking a talented and highly motivated biochemist committed to excellence. The selected candidate for this growth position will be responsible for developing purification processes and pertinent assays for natural and recombinant proteins and vaccines, developing assays to characterize and validate the processes which will be scaled up and ultimately transferred to manufacturing. Successful candidates will possess:

- PhD in Biochemistry or equivalent with at least four years post-doctoral experience in modern methods of purification and characterization of proteins.
- Strong analytical skills
- Excellent oral and written communication skills and experience on interdisciplinary project teams.
- Proven research ability as evidenced by an outstanding publication record.
- Experience in scale-up, automation and pilot scale production of proteins is desirable.

Excellent salary and benefits programs accompany these positions at our modern research facilities located 25 miles north-west of Philadelphia. Please send curriculum vitae with references, transcripts and cover letter to **Personnel Manager, Ad B-26, MRL Human Resources - WP42-2, Merck Research Laboratories, P.O. Box 4, West Point, PA 19486**. EOE/AA/VH Employer.



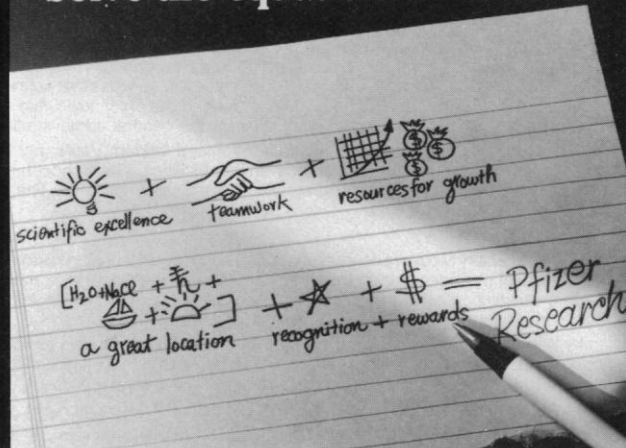
DEPARTMENT OF VETERANS AFFAIRS VETERANS HEALTH ADMINISTRATION DEPUTY DIRECTOR MEDICAL RESEARCH SERVICE

The Department of Veterans Affairs invites applications for the position of Deputy Director, Medical Research Service, under a direct hire, an Intergovernmental Personnel Act (IPA) appointment or an intergovernmental agency detail with the position located in Washington D.C. An IPA would allow the selectee to remain a faculty member at his/her current university, and VA would reimburse the university for the employee's salary and benefits. The appointment under an IPA or intergovernmental detail will be for 2 years with the possibility of extension. The Medical Research Service currently has an annual budget of over \$200 million and supports the biomedical and behavioral sciences research of over 2,500 VA scientists, 70 percent of whom are physicians. The service is strongly committed to the support of patient-oriented research across the entire spectrum from basic science to clinical applications. The Deputy Director is responsible for assisting the Director in policy development, peer review management of investigator-initiated research studies, and budget formulation and distribution. Candidates are expected to be recognized scientists with an established record of scholarly achievement as well as interest in research administration. The position is only open to U.S. citizens who hold a Ph.D. degree. Experience in VA research/administration is desirable.

Qualified applicants are invited to send a curriculum vitae, bibliography and the names, addresses and telephone numbers of three references by 02-14-94 to: Martin Albert M.D. Director, Medical Research Service (12A), Department of Veterans Affairs, 810 Vermont Avenue, N.W., Washington, DC. 20420. EOE.

Assistant/Associate Research Scientist Opportunities

Solve the equation for success.



The field of pharmaceuticals and health care is more rewarding than ever as new products create a healthier world population. As one of the leaders in this dynamic industry, Pfizer Inc, a Fortune 100 company, is committed to continuing its remarkable history of drug discovery. We are currently seeking experienced BS/MS scientists to further expand our research program.

Inflammation/Pulmonary Pharmacologists

Exciting career opportunities exist for motivated Assistant/Associate Scientists who can contribute to the design and testing of molecular probes to dissect the pathobiological mechanisms of arthritis and asthma. Experience in mechanism-based drug discovery is highly desirable. Ability to test novel hypotheses in various *in vitro* and *in vivo* systems is required. Applicants should ideally possess relevant pharmacology experience which may include: tissue bath assays, blood cell isolation, leukocyte biology, mammalian tissue culture and pulmonary and inflammation *in vivo* based assays. Candidates who are willing to build on more limited experience will be considered.

We offer competitive salaries and a flexible benefits package including medical and dental insurance, paid holidays and vacation, educational assistance, savings and investment plan, pension plan, relocation assistance and more. To learn how you can be part of the future of Pfizer, send your resume, including a list of three references, to: Lynn Beaulieu, Pfizer Inc, Central Research Division, Eastern Point Road, Groton, CT 06340. An equal opportunity employer.



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UNIVERSITY OF WISCONSIN MADISON

Dean
School of Veterinary Medicine
University of Wisconsin-Madison

The University of Wisconsin-Madison invites applications and nominations for the position of Dean, School of Veterinary Medicine. The school offers a unique environment through its close ties and physical proximity to the many outstanding programs in the biological sciences at UW-Madison. We seek exceptional individuals who can provide leadership for the continuing excellence and development of instructional, research, clinical and outreach programs. The Dean serves as a representative of the school in its fund raising efforts and in its interactions with other schools and colleges, the public, and the veterinary medical community. The dean is the chief executive officer of the school and is responsible to the provost and the chancellor for the general administration of the school.

The school consists of four academic departments, a modern Veterinary Medical Teaching Hospital, and excellent instructional, research and animal facilities. The School has approximately 76 ranked faculty, 215 support staff, and 80 graduate students and residents. The veterinary medical student program enrolls 320 students.

Qualifications:

Doctor of Veterinary Medicine degree (or its equivalent); significant administrative experience including fiscal and personnel management; and strong interpersonal skills. Candidates must have demonstrated excellence in research, teaching and/or outreach to meet the requirements for appointment at the rank of professor with tenure in one of the four academic departments of the school.

Under Wisconsin Statutes, the names of nominees and applicants who explicitly request confidentiality will not be made public, although the university is required to release the names of the finalists who will be interviewed by the UW-Madison Chancellor. The position is available July 1, 1994.

Applications and nominations are requested by March 1, 1994 and should be sent to:

Dr. Ronald D. Schultz, Chair
Search and Screen Committee
Dean of the School of Veterinary Medicine
University of Wisconsin-Madison
c/o Office of the Secretary of the Faculty
500 Lincoln Drive
134 Bascom Hall
Madison, Wisconsin 53706-1102

UW-Madison is an Equal Opportunity, Affirmative Action Employer. Women and members of minority groups are especially encouraged to apply.



FACULTY POSITION IN THE DEPARTMENT OF NEUROSCIENCES CLEVELAND CLINIC FOUNDATION RESEARCH INSTITUTE

Molecular Biology of Myelination

The newly established Department of Neurosciences seeks an outstanding candidate to fill a faculty position at the Assistant, Associate, or full Staff level. Applicants must have a Ph.D. and/or M.D. and an active independent research program. Individuals must utilize state-of-the-art techniques to investigate cellular and molecular aspects of myelination in the central and peripheral nervous system with a focus on axon/glia signaling, transcriptional factors, transgenic technology, dysmyelination, and demyelinating diseases. Excellent departmental facilities and generous start-up funds are available. The Department of Neurosciences is housed in the Health Sciences Building, along with the Departments of Cell Biology and Molecular Biology. Opportunities for interaction with clinical Neuroscience departments are plentiful. Candidates should submit a curriculum vitae, a list of publications, a brief statement of research interests, and three letters of reference to: **Search Committee, Department of Neurosciences-NC30, Cleveland Clinic Foundation, 9500 Euclid Avenue, Cleveland, OH 44195.** The Cleveland Clinic Foundation is an Equal Opportunity/Affirmative Action Employer.

INTERNATIONAL CONFERENCE ON CRYSTALLINE SILICA HEALTH EFFECTS: CURRENT STATE-OF-THE-ART

April 18-20, 1994

**Johns Hopkins University
School of Hygiene and Public Health
Baltimore, Maryland**

Conference Directors:

Morton Corn, Ph.D. and Jacqueline Corn, Dr.A.

The conference will focus on results of epidemiologic and animal studies, their strengths and weaknesses, and the results of in vitro testing. It will include plenary sessions featuring reviews by invited speakers and panels of investigators in each session.

The main themes are: I. Exposure Assessment: Sampling and Analysis, II. Epidemiologic Studies, III. In Vivo Toxicology, IV. In Vitro Toxicology V. Public Policy/Regulation

Contact: Linda Lamb, Johns Hopkins University, School of Hygiene and Public Health, 615 N. Wolfe Street, Room 6001, Baltimore, Maryland 21205. Telephone: (410) 955-2609 or Fax: (410) 955-9334.

Career Opportunities in Drug Discovery

Oncogene Science is a leader in the field of small molecule drug discovery by automated high-throughput screening of chemical files, natural products and combinatorial libraries. We have pioneered the development of such screens for the identification of novel drugs which act by modulating the transcription of physiologically important genes.

Program Manager Atherosclerosis/Thrombosis

We are expanding our cardiovascular research group and require a senior scientist to lead a team engaged in a collaborative research program with Marion Merrell Dow. The initial focus will be to identify novel agents for modulating lipoprotein metabolism for the treatment and prevention of atherosclerosis.

Applicants, from either industry or academia, should have at least 5 years' postdoctoral experience. Good communication and organizational skills, and the ability to lead and motivate people are essential. A working knowledge of the techniques of modern molecular genetics is highly desirable.

Oncogene Science offers an excellent compensation and benefits package, along with superb opportunities for career development. Qualified candidates may send their resumes, including references, to: **Oncogene Science, 106 Charles Lindbergh Blvd., Uniondale, NY 11553, Attn: AJH.** An Equal Opportunity Employer M/F/H/V.

**Oncogene
Science** 

Postdoctoral Opportunities In The Biomedical Sciences.

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

Biochemistry and Molecular Biology

Thressa C. Stadtman, PhD

Various aspects of the biochemistry of selenoproteins and seleno-tRNAs are being studied, including their structure, biosynthesis, catalytic function, mechanism of action, and biological role. The biosynthesis of selenophosphate, the selenium donor in prokaryotes, is currently being investigated using ³¹P NMR, radiochemical procedures, and protein chemistry methods. Applicants should have less than five years postdoctoral training. Laboratory of Biochemistry (OE-41), NHLBI, Building 3, Room 108.

Developmental Gene Expression and Chromatin Structure

Ann Dean, PhD

Embryonic globin gene expression is being used as a model for studying the molecular basis of development. The role of chromatin structure in this process is being investigated through *in vitro* and *in vivo* analysis of functional promoter and enhancer elements and structural studies using minichromosomes. Applicants should have training in molecular/cell biology and less than five years postdoctoral training. Laboratory of Cellular and Developmental Biology (OE-41), NIDDK, Building 6, Room B1-08.

Drosophila Development Genetics

James A. Kennison, PhD

The general factors required for the transcriptional regulation of homeotic genes in *Drosophila* are being identified and characterized by a variety of genetic and molecular methods. Future studies will focus on the developmental role of new factors identified and the isolation of mutations in *Drosophila* TBP-Associated Factors. Applicants must have less than five years postdoctoral training. Laboratory of Molecular Genetics (OE-41), NICHD, Building 6B, Room 3B331.

Genetic Polymorphisms of Cytochrome P450

Joyce Goldstein, PhD

Genetic polymorphisms in human cytochrome P450 enzymes are being identified and their relevance to human metabolism and health examined. Current studies utilize molecular biology techniques such as site-directed mutagenesis, construction and screening of gene libraries, sequencing, and PCR analysis. Applicants should have molecular biology experience and less than five years postdoctoral training. Laboratory of Biochemical Risk Analysis (OE-41), NIEHS, P.O. Box 12233, Mail Drop B3-04, Research Triangle Park, NC 27709.

Lipids in Biological Membrane Fusion

Leonid V. Chernomordik, PhD

Membrane lipid composition has been found to dramatically modulate membrane merger reactions in calcium-, pH-, and GTP-triggered biological fusion. To better understand this phenomenon, the intermediates of lipid bilayer rearrangements in biological fusion are being studied utilizing biophysical and electrophysiological techniques. Applicants must have less than five years postdoctoral experience. Laboratory of Theoretical and Physical Biology (OE-41), NICHD, Building 10, Room 6C101.

Mammary Gland Biology and Neoplasia

Richard P. DiAugustine, PhD

The transcriptional regulation of growth factor genes by estradiol or progesterone is being investigated to understand how proliferation in the normal or neoplastic (MMTV-TGF- α transgenic) murine mammary epithelial cell is regulated. A current focus is the identification of transcription factors that influence the interaction of ovarian steroid receptor with growth factor genes. Applicants should have training in molecular biology/biochemistry and less than five years postdoctoral experience. Laboratory of Biochemical Risk Analysis (OE-41), NIEHS, P.O. Box 12233, Mail Drop D4-04, Research Triangle Park, NC 27709.

Transcriptional Control Mechanisms

Keiko Ozato, PhD

The regulation of embryonic development by nuclear hormone receptors (including RXR) and the regulation of immune responses by interferon regulatory factors are being studied to better understand the mechanisms used to control transcription. *In vivo* footprinting and *in vitro* transcription are currently the main means of analysis. Applicants must be US citizens or permanent residents with less than five years postdoctoral experience. Laboratory of Molecular Growth Regulation (OE-41), NICHD, Building 6, Room 2A01.

Additional Postdoctoral Fellowship Opportunities

For an on-line listing of additional postdoctoral openings you may access the NIH EDNET Bulletin Board's POSTDOC conference by Internet (tn3270.cu.nih.gov) or via modem (1,3014022221 or 1,8003582221). The settings for modem access are "7,Even,1". When connected to NIH, type in "vt100" at the connect message, "F5E" at initial, and "AJLI" at account.

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 "gopher.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

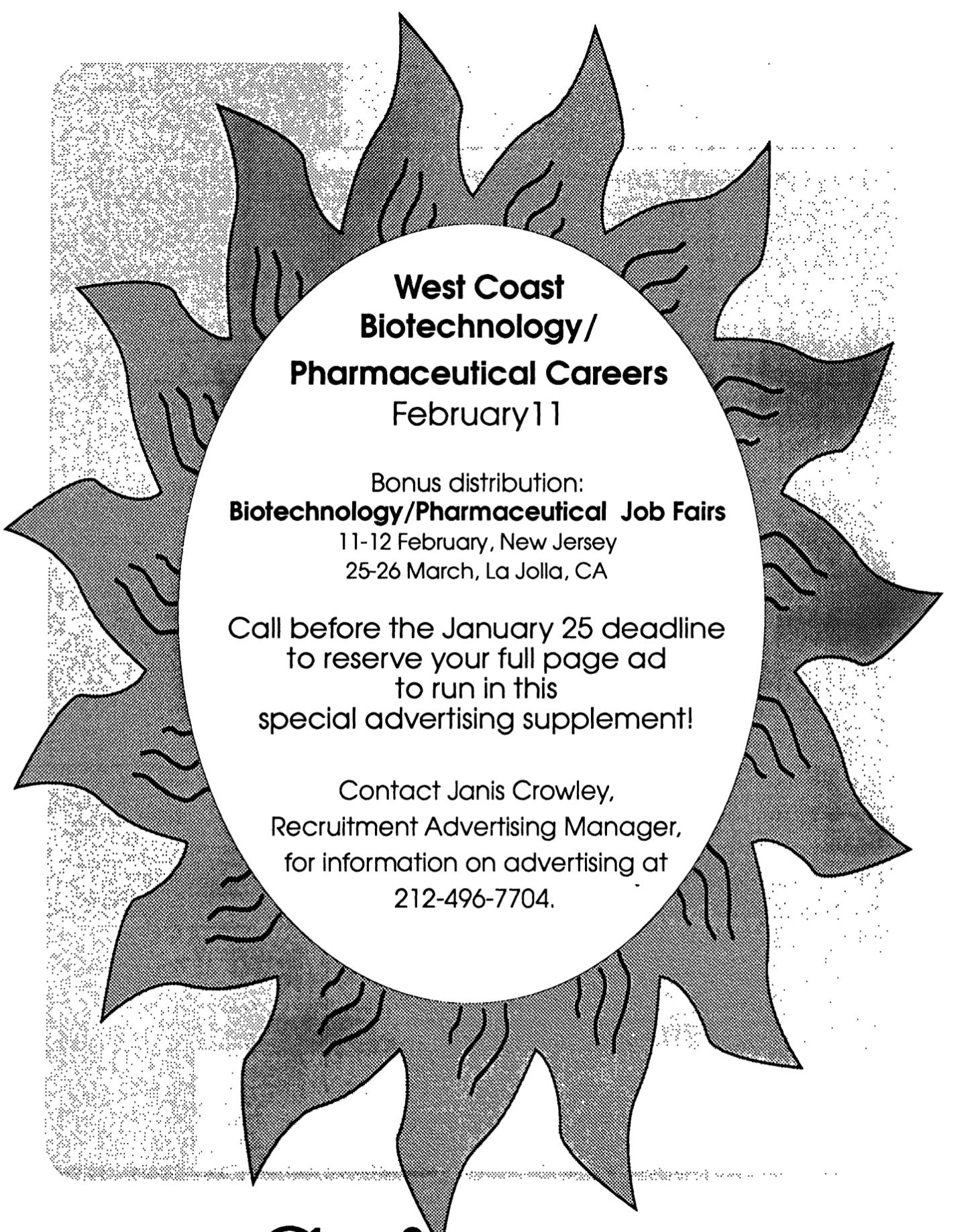
If you hold a graduate doctoral degree (e.g., PhD, MD/PhD) or a professional degree (e.g., MD, DO, DDS, or DVM) accompanied by previous laboratory research experience, and would like to be considered for one of these positions, please send a cover letter, *curriculum vitae*, bibliography, and statement 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

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for information on advertising at
212-496-7704.

SCIENCE

**Full-Time Tenure Track Position
ASSISTANT PROFESSOR OF
BIOLOGY: Population Geneticist**

The University of Maine at Machias seeks a population geneticist committed to undergraduate teaching with field biology and conservation/environmental interests beginning September 1994. The successful applicant will teach genetics, evolution, a course in an organismal group of his/her specialty, and other courses supporting the university's popular biology and environmental studies degree programs. This person is expected to work with students on undergraduate research projects. An earned doctorate in biology or closely related field, willingness to contribute to the rapidly growing Division of Science and Mathematics, and sensitivity to the needs of students with a variety of skill levels, ages, and backgrounds are required. The University seeks an individual with a commitment to interdisciplinary teaching and collegiality, and an interest in issues of pluralism and gender as well as applications of technology in a rural setting. Interest in the application of technology in a rural setting is also welcome.

Send letter of application, detailed curriculum vitae, e-mail address, transcripts and three letters of reference by February 3, 1994 to: Chair, Science and Mathematics Division, University of Maine at Machias, 9 O'Brien Avenue, Machias, ME 04654.

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

Position Announcement

The Department of Agronomy and Plant Genetics, University of Minnesota, invites applications for an Assistant Professor in Weed/Crop Ecology, 12-month, tenure-track appointment. The successful candidate will develop a comprehensive research program in weed/crop ecology and develop undergraduate and graduate courses in agroecology. The undergraduate courses will be agriculturally based and discipline oriented with broad coverage of environmental and farming systems issues. Undergraduate and graduate advising is expected. Research areas include weed management in agronomic crops, emphasizing ecological principles of weed management, the development of principles of crop-weed competition, economic thresholds of weeds, and weed population dynamics. Candidate will collaborate to develop integrated approaches to weed management that protect the environment, and maintain the profitability and sustainability of farming systems. Minimum qualifications: a Ph.D. in a plant science discipline. Minimum experience: documented teaching proficiency, research experience in terrestrial plant ecology, and an ability to communicate effectively. Desired academic preparation: courses in weed science, plant ecology, agronomy, plant physiology, plant genetics, plant taxonomy, statistics, modeling, plant breeding, plant biochemistry and soil science. Desired experience: disciplinary and interdisciplinary collaborative research experience; involvement in weed science, applied and theoretical weed/crop ecology, modeling, plant genetics, and soil science. Desired experience: disciplinary and interdisciplinary collaborative research experience; involvement in weed science, applied and theoretical weed/crop ecology, modeling, plant genetics, and soil science. Demonstrated ability to acquire grants and provide leadership to teaching and research programs. Salary is commensurate with qualifications and experience. The position will be available July 1, 1994. Applications should include a C.V., all transcripts, 1-2 page statement of interests related to this position, 2 reprints documenting teaching or research experience and 3 letters of reference. Please send application materials to:

Dr. Roger Becker
Department of Agronomy and Plant Genetics
University of Minnesota
411 Borlaug Hall
St. Paul, MN 55108

All materials must be postmarked no later than March 1, 1994. The University is an equal opportunity educator and employer.

MyoGenics

MyoGenics, Inc. is a biopharmaceutical company pioneering the discovery and development of drugs to treat muscle atrophy and excessive protein breakdown based on recent breakthrough discoveries on the molecular mechanisms of muscle protein metabolism. MyoGenics was founded by leading scientists and clinicians at Harvard Medical School. We are looking for creative, highly motivated scientists with a strong record of achievement in academia or the pharmaceutical industry.

M E D I C I N A L C H E M I S T R Y

Director, Medicinal Chemistry. Candidates should have a PhD in synthetic organic chemistry with a track record in drug discovery. Strong leadership and organizational skills are required.

PhD, Medicinal/Organic Chemistry. Several positions are available for scientists with a PhD in synthetic organic chemistry and post-doctoral experience. Candidates must have a demonstrated ability in synthetic organic chemistry and experience in the design and synthesis of enzyme inhibitors. Candidates who have made significant contributions to drug discovery will be preferred.

MS or BS, Medicinal/Organic Chemistry. Candidates should have an MS or BS degree with equivalent experience in synthetic organic chemistry. Candidates must possess a demonstrated ability in synthetic organic chemistry and a strong theoretical background. Knowledge and experience in peptide chemistry is a plus.

M O L E C U L A R B I O L O G Y

PhD, Molecular Biology. Candidates should have a PhD degree in Molecular Biology with post-doctoral experience. Familiarity in cDNA cloning, DNA sequence analysis, PCR, purification and analysis of proteins expressed from recombinant vectors in bacteria and mammalian cells is required. Expertise in studies of the molecular mechanisms of intracellular protein metabolism is desirable.

B I O C H E M I S T R Y

PhD, Biochemistry/Chemistry. Positions are available for scientists with a PhD in biochemistry or chemistry and post-doctoral experience. Candidates must have a demonstrated ability to solve biochemical problems with up-to-date techniques of molecular biology, enzymology, and physical biochemistry. Experience with proteases and/or the enzymes of the protein-ubiquitination pathway is a plus. Candidates who have made significant contributions to drug discovery programs will be preferred.

MS or BS, Biochemistry/Chemistry. Candidates must have a BS or MS degree in biochemistry or chemistry. Required are strong analytical skills and laboratory experience in HPLC and spectrophotometric analysis as related to purification and quantitation of proteins and peptides.

P H A R M A C O L O G Y

PhD, Pharmacology. Candidates must have a PhD in pharmacology with post-doctoral experience, preferably in the pharmacology and physiology of skeletal muscle. The candidate will have experience in evaluating the efficacy, pharmacokinetics, and bioavailability of drug candidates.

MyoGenics is located in Cambridge, MA, in the heart of an academic environment and amidst a community of highly talented biotech entrepreneurs. MyoGenics is led by a team of experienced pharmaceutical executives. We work very closely with an outstanding scientific advisory board of leading scientists in chemistry and biology chaired by Prof. A. Goldberg of Harvard Medical School. We offer the opportunity to participate in an exciting enterprise that creates much-needed medicines through scientific excellence and teamwork. MyoGenics has strong financial backing by HealthCare Investment Corporation. We offer competitive salaries, a comprehensive benefits package, and equity participation. Please send a curriculum vitae to: Dr. Frans L. Stassen, MyoGenics, Inc., One Kendall Square, Building 200, Cambridge, MA 02139. We are an Equal Opportunity Employer, M/F/D/V.

HEALTH SCIENTIST ADMINISTRATOR (HSA)

GS-601-12/13/14

The National Institute of General Medical Sciences, National Institutes of Health, Bethesda, MD is seeking a HSA, responsible for performing a variety of management functions associated with the scientific and technical merit review of research and research support, research center grant, program project grant, and research training grant award applications concerned with the physical, biochemical, and cellular and molecular aspects of biology, and with the techniques and methods used in modern basic research. The incumbent will work closely with the Minority Biomedical Research Support (MBRS) Program to coordinate the evaluations of applications from institutions seeking support from this program. The incumbent provides guidance on the Institute's program guidelines and initiatives and on policies and procedures of the NIH peer review system. The incumbent participates in site visits, attends meetings of study sections and review committees, prepares summary statements of review committee findings and recommendations, and attends Council meetings to provide information concerning the review of applications.

Applicants must possess specific knowledge, skills and abilities (KSAs) in order to qualify for this position. In addition to the KSAs, there are a number of documents that must be submitted when applying for this position. Applicants who fail to submit all of the required documents will not be considered for the position; therefore, it is crucial that applicants call to obtain this information. For information regarding the qualifications and application requirements, please call the NIGMS Personnel Office on (301) 594-7767. TDD Number is (301) 594-8884. Announcement closes February 7, 1994. U.S. Citizenship is required.

NIH is an Equal Opportunity Employer

BIOTECHNOLOGY OPPORTUNITIES

Progenics Pharmaceuticals, Inc. is a privately held biopharmaceutical company specializing in the development of therapeutics, vaccines and diagnostics for HIV infection. The company is situated on an attractive campus in Westchester County, 20 miles north of Manhattan. Our rapid expansion is creating opportunities for scientists at all levels. We are particularly interested in individuals for the following positions:

Production/Process Development Scientists

Individuals with a B.S., M.S. or Ph.D. and experience in the production of recombinant proteins in eucaryotic cells using bioreactors and large scale protein purification. Minimum of 2 years' industrial experience required. Knowledge of regulatory affairs an asset.

Senior Scientist - Immunology

Strong background in the humoral or cellular immune response to infectious diseases. Requires a Ph.D. and a minimum of 3 years of postdoctoral experience; industrial experience an asset.

Staff Scientists/Postdoctoral Scientists/Research Associates

Individuals with a B.S., M.S., or Ph.D. and a background in one or more of the following areas: immunology, cell and molecular biology, virology, or assay development in these fields.

Candidates should send their C.V., a description of their research experience and the names and addresses of three references to: Human Resources I, Progenics Pharmaceuticals, Inc., 777 Old Saw Mill River Road, Tarrytown, NY 10591.



Progenics
Pharmaceuticals, Inc.

TENURE-TRACK FACULTY POSITION DEVELOPMENTAL BIOLOGY AND ANATOMY

The Department of Developmental Biology and Anatomy at the School of Medicine anticipates a full-time tenure-track faculty position will be available 1 July 1994, subject to budgetary approval. The appointment will be at the Assistant or Associate Professor level depending on qualifications. However, applicants with outstanding credentials will be considered at the Full Professor level. Applicants at the Assistant Professor level should be capable of establishing an independent research program supported with extramural funds. Applicants at the Associate or Full Professor level must have an established funded research program. While the specific area of research is open, individuals conducting research in cardiovascular systems or developmental biology and who utilize cell and/or molecular biological approaches are encouraged to apply. The successful candidate will participate in the teaching of medical embryology and gross anatomy to medical students and in interdisciplinary graduate courses to graduate students. Preference will be given to individuals who have experience teaching Gross Anatomy. Curriculum vitae, representative publications, and the name of three references should be sent to: Dr. Louis Terracio, Department of Developmental Biology and Anatomy, University of South Carolina, School of Medicine, Columbia, SC 29208. The University of South Carolina is an Equal Opportunity/Affirmative Action Employer.

TENURE TRACK FACULTY POSITIONS

Department of Pharmacology
UNIVERSITY OF TEXAS
Houston Health Science Center -
Medical School

TENURE TRACK FACULTY POSITIONS are available at all levels as part of a departmental growth program. Primary interests for expansion are in the broad areas of NEUROPHARMACOLOGY and TOXICOLOGY, but applicants with outstanding research records in all areas related to cell regulation and signalling are welcome. Recruitment of 2-3 independent investigators as a group in one area may be possible. Candidates must be using state-of-the-art approaches to define molecular mechanisms affecting cell function. Responsibilities include the development/conduct of an internationally recognized research program plus participation in graduate and/or professional education. Positions are in the Texas Medical Center, an outstanding research environment that includes the UT Houston Health Science Center, Baylor College of Medicine, and the M.D. Anderson Cancer Center. Send applications including CV, 2-3 page summary of research plans, and names/addresses/phone numbers of 4 potential references to Dr. Agnes Schonbrunn, Pharmacology Department, University of Texas Medical School at Houston, P.O. Box 20708, Houston, Texas 77225. The review of applications will begin on February 15, 1994.

The University of Texas is an Equal Opportunity Employer. Women and minorities are encouraged to apply.

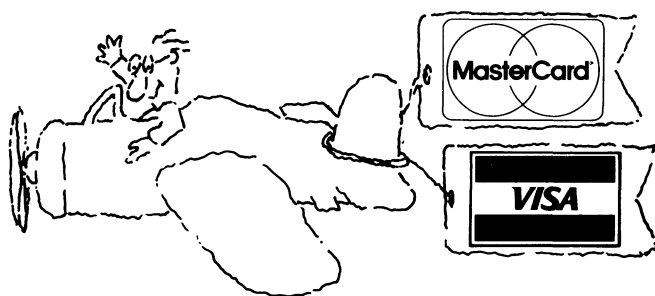
IMMUNOLOGISTS

The University of Washington seeks superbly qualified applicants for a tenure-track appointment in the Department of Immunology. Applicants must hold Ph.D. or M.D. degrees and have demonstrated the ability to establish an independent research program in immunobiology. Although the Department is seeking an assistant professor, appointment may be made at the rank of associate professor or full professor, depending on the individual's qualifications. The Department of Immunology offers excellent new laboratory space, flow cytometry, biopolymer synthesis, and transgenic animal facilities.

Send curriculum vitae, a brief description of proposed research, and three letters of recommendation (by March 1, 1994) to:

R.M. Perlmutter, M.D., Ph.D.
Chairman
Department of Immunology, SL-05
University of Washington
Seattle, WA 98195

*The University of Washington is an
Equal Employment/Affirmative Action
Employer*



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CARDIOVASCULAR PHARMACOLOGY RESEARCH SCIENTIST

Alliance Pharmaceutical Corporation, a leader in the development of pharmaceutical perfluorochemical and emulsion technologies, is the first San Diego biotechnology company to earn approval to market a locally developed drug (Imagent GI). We currently seek a Cardiovascular Pharmacology Research Scientist.

Requires a PhD in Pharmacology, Physiology or related field, or a BS/MS with a minimum of 6 years' experience in a cardiovascular research laboratory. Ideal candidate will possess broad knowledge of cardiovascular physiology, along with proven aptitude and familiarity with standard models of cardiovascular disease. Industrial experience desirable. Selected individual will conduct independent research and develop new experimental models as needed.

Submit resume and salary history to:
**Alliance Pharmaceutical Corporation,
Attn: HR-Cardio, 3040 Science Park
Rd, San Diego, CA 92121.** No phone
calls please. EOE.

Alliance
PHARMACEUTICAL CORP.

Yale University Department of Pathology Research Faculty Position



The Yale University School of Medicine is seeking a Ph.D./M.D., level scientist to develop an interactive program utilizing fluorescent insitu hybridization methodologies (FISH), and the analysis of genetic changes associated with cancerous and pre-cancerous lesions. The successful candidate will join the Department's innovative Critical Technologies program, establish and supervise a routine FISH analysis unit, and develop their own independent investigative program in an area related to the genetic basis of neoplasia. Experience with digital, fluorescent imaging, multi-channel FISH technology, chromosome painting, cosmid, YAC probe utilization is desired. Preference will be given to candidates with enthusiasm for developing collaborative investigational programs. Salary and benefits are negotiable. Appointments to this position will be made on the research faculty

Send current Curriculum Vitae and names of 3 professional references before April 1, 1994 to:

Jon S. Morrow, M.D., Ph.D., Professor and Chair, Department of Pathology, Yale University, School of Medicine, 310 Cedar Street, New Haven, CT 06510.

Yale University is an equal opportunity, affirmative action employer. Minorities and women candidates are urged to apply.

Tenure Track Assistant Professor Cardiovascular Pharmacology

The Department of Molecular and Medical Pharmacology of the UCLA School of Medicine invites applications for a full-time, tenure-track Assistant Professor position with a primary research focus in vascular/cardiac biology and pharmacology. The department is committed to a rapidly expanding multidisciplinary program in Molecular and Medical Pharmacology with a highly interactive and productive group of investigators. We are interested in an individual capable of establishing a scholarly research program. Areas of particular interest include blood-to-cell and cell-to-cell interaction, signal transduction and second messenger systems, drug-receptor interactions and the pharmacological modification of these processes as they pertain to vascular/cardiac biology and pathophysiology. The successful candidate will also participate in the education of graduate and medical students. Consideration of applications will begin in early March. Please submit your curriculum vitae, representative reprints, three letters of reference and a one page statement of research and teaching goals to: Dr. Cameron B. Gundersen, Search Committee Chair, Department of Molecular and Medical Pharmacology, UCLA School of Medicine, Los Angeles, CA 90024-1735.

*UCLA is an Affirmative Action/
Equal Opportunity Employer.*

The City Polytechnic of Hong Kong

is a degree-granting institution in Hong Kong. Its current student population is 14,000 and the number is expected to grow to 16,000 by the mid-1990's. The Polytechnic expects to be granted university title formally in 1994. The medium of instruction is English. Applications are invited for the following posts:

Reader/University Senior Lecturer/ University Lecturer in the Department of Biology and Chemistry [Ref. A/132/49]

The appointees will be required to teach undergraduate and MSc. programmes, supervise project and postgraduate students, develop and conduct research and consultancy work and perform administrative duties.

Applicants should have a relevant PhD and with experience in one of the following areas: Resources Management, Quantitative Ecology, Analytical Chemistry, Analytical Biochemistry, Environmental Chemistry, Chemical Wastes and Pollution Control, Toxicology/Environmental Toxicology and Environmental Physiology. For appointments at Reader/University Senior Lecturer levels, candidates should have substantial relevant experience and publication record.

Monthly Salary and Conditions of Service

Reader :HK\$50,955- \$67,690 per month
University Senior Lecturer:HK\$48,840- \$65,610 per month
University Lecturer :HK\$31,435- \$52,515 per month
(Exchange rate : US\$1 = HK\$7.8 approximately)

Appointment will be on superannuable terms with provision for retirement benefits. Appointment on a fixed-term contract with gratuity at 15% may be exceptionally considered if required. Fringe benefits include long leave, basic medical and dental care. Passages and housing benefits may be provided, where appropriate. Maximum salary tax rate is 15% at present.

Further information concerning the posts can be obtained from the Personnel Office, City Polytechnic of Hong Kong, Tat Chee Avenue, Hong Kong (Fax : 852-7881154 or 852-7889334; E-mail : PORECRUT@CPHKVX.CPHK.HK). Please send your curriculum vitae and the names and addresses of three academic or professional referees to the same office by **4 February 1994**. Please quote the post reference in your application. Shortlisted candidates will be asked to arrange references to be sent to the Polytechnic before the interview.



**Temple University
School of Medicine**

Ph.D. Graduate Program in Microbiology and Immunology

Stipend support is available for students to study in microbiology and immunology starting in August 1994. Stipends will be provided by NIH Training Grants for U.S. citizens/permanent residents, as well as other sources available to all qualified applicants. The program areas of concentration include molecular and cellular immunology, molecular and biochemical microbiology, and eukaryotic and prokaryotic molecular genetics. The Graduate Program currently includes 35 students. Submit inquiries to: **Dr. C.D. Platsoucas, Professor and Chairman, Department of Microbiology and Immunology,**

**TEMPLE UNIVERSITY
SCHOOL OF MEDICINE**

**3400 N. Broad Street
Philadelphia, PA 19140**

Temple University is committed to a policy of equal opportunity and affirmative action in every aspect of its operations, including education, service, and employment.

Research Scientist

Population Modeller

A\$42K - A\$65K + Superannuation

Division of Fisheries, Cleveland, Brisbane, Qld. Australia

We are seeking an experienced and innovative scientist to join the Tropical Fisheries Resources Program to lead a small team responsible for undertaking modelling-based research into the spatial structure, population dynamics and stock assessment of tropical Australian prawn, lobster and fish populations, with an initial emphasis on the Northern Prawn Fishery (NPF). Studies will involve the evaluation and development of current fishery databases, development of population models and evaluation of management strategies.

You will be the leader of a small team (3) with complementary skills and interests, which works closely with a broader group of fisheries ecologists to investigate the dynamics of Australia's tropical living marine resources. You will also provide input and collaboration with three research projects (Tropical Benthic Ecology, Tropical Prawn Ecology and Tropical Fish Ecology) to help direct ecological research that will answer important fisheries questions. You will also interact closely with a larger group of population, community and bio-economic modellers in a Division-wide project on management strategy design and evaluation.

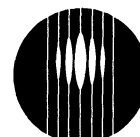
You will need a PhD or equivalent experience in population modelling; a strong background in mathematics and statistics; advanced skills in computer modelling for renewable resources and/or marine biological systems and a demonstrated interest in interdisciplinary research.

You should have a superior record of innovative research achievements, the capacity to work both independently and as part of a team and the capacity to communicate results of modelling and ecological studies to a wide variety of audiences, including management and fishing industry representatives.

The Program Leader, Dr Ian Poiner, can provide more information on the position and career opportunities (telephone (61 7) 286 8223, fax (61 7) 286 2582). The position is indefinite (tenured) and assistance with relocation costs is provided.

Ms Elizabeth Wallis telephone (61 7) 286 8222 can provide a detailed job description and selection criteria.

Please send applications addressing the selection criteria and including details of your qualifications and experience and the names of three referees, quoting Ref. No. FC93-32 to: **The Human Resources Manager, CSIRO Division of Fisheries, PO Box 120, Cleveland 4163 Qld AUSTRALIA** by February 11, 1994.



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FACULTY POSITIONS IN CELLULAR AND MOLECULAR MECHANISMS OF ANIMAL HEALTH AND DISEASE. The Department of Veterinary Pathobiology wishes to fill several 100% time positions in the area of animal health and disease with emphasis on cellular and molecular mechanisms. Rank and tenure will depend on qualifications and experience consistent with collegiate and University policy. Ph.D. or equivalent foreign degree at the time of application is required. DVM, VMD, MD, DO or foreign equivalent is desirable. Candidates for Assistant Professor must have at least two years of relevant postdoctoral experience by 7/1/94 and the ability to establish a strong, fundable research program. Candidates for Associate Professor must have at least four years and Full Professor at least six years of relevant postdoctoral experience by 7/1/94 and must have an established, independent, funded research program. Candidates must have demonstrated expertise in cellular/molecular approaches in the areas of bacteriology, virology, parasitology, or immunology. A successful candidate will be expected to establish a competitively funded research program in one of the listed areas, participate in our DVM teaching curriculum and train pre- and post-doctoral scientists. Candidates will also be expected to provide leadership in strengthening and encouraging interdisciplinary collaborative efforts in animal health and disease. Salary: commensurate with experience and qualifications. Start date: 7/1/94. Send a letter describing your research and teaching interests and career objectives, a CV, & names & addresses of three referees post-marked by 2/28/94 to: Dr. Michael Murtaugh, Chair, Search Committee, Dept. of Vet. Pathobiology, College of Vet. Medicine, U. of Minn., 1971 Commonwealth Ave., St. Paul, MN 55108. FAX: (612) 624-7284 (for inquiries only). *The University of Minnesota is committed to the policy that all persons shall have equal access to its programs, facilities, and employment without regard to race, religion, color, sex, marital status, national origin, disability, age, public assistance status, veteran status, or sexual orientation.*



Universität Zürich Philosophische Fakultät II

Faculty Position in Cell Biology

Applications are invited for an assistant/associate professor position in Cell Biology. The position is part of a interfaculty program to strengthen and coordinate cell biological research in Zürich. Candidates should have an excellent research record in the field of cell biology (cell cycle control, cytoskeleton, intracellular signalling, motility, targeting). Experimental systems in which genetic approaches are possible are preferred. The candidate is expected to establish a strong independent research program and to interact with the existing groups in developmental biology (*Drosophila*) and neurophysiology. The candidate is also expected to participate in the teaching program of the institute and to deliver lectures in German within two years.

Applicants should submit their curriculum vitae, a description of research plans and the names of three references until January 31, 1994 to: Dean Prof. Dr. G. Rasche, Dekanat der Philosophischen Fakultät II, Universität Zürich, Winterthurerstrasse 190, CH-8057 Zürich, Switzerland.

CALL FOR RESEARCH PROPOSALS

The Roerig & International Divisions of Pfizer

are sponsoring a series of pre-clinical research studies. These studies are designed to better define the relationship between the Sympathetic Nervous System, Selective Alpha-1 Inhibition and Benign Prostatic Hyperplasia (BPH).

Ten grants of up to \$50,000 each are planned for spring 1994. Grant selection will be made by an independent panel of International scientists.

CRITERIA

- Applicants must be clinicians (post-specialty training) or post-doctoral scientists.
- All proposals must be in English and be for studies which can be completed within a 12-month period.
- Proposals, submitted on official application forms, must be received no later than March 15, 1994.

For application forms and additional information, contact
Pfizer Pre-Clinical BPH Research Awards Program at:



(U.S.) Phone: 1-800-669-0096 Fax: (215) 928-9593
(U.K.) Phone: +44-625-503424 Fax: +44-625-619812

Swinburne University of Technology

Centre for Applied Colloid and BioColloid Science

Senior Research Fellow

The Centre conducts a vigorous research and development program in the areas of microbial biodegradation relating to industrial wastewater and ground water streams and pulp and paper process streams, with particular emphasis on filamentous fungal systems. The Centre wishes to appoint a research fellow with a strong record in enzyme biochemistry to contribute to a joint program between Swinburne University of Technology and the paper divisions of Pratt Industries Ltd., (Visy Recycling and Visy Paper). Preference will be given to applicants holding a PhD and with extensive experience in the manipulation of fungal enzyme systems. Projects are largely centred on pulp pretreatment.

Appointment will be made for three years at a salary level of \$AUD 48,688 p.a. To obtain a position description telephone 61 3 819 8369. Further details may be obtained from Professor David Mainwaring telephone 61 3 819 8576.

Applications in duplicate including C.V., experience, the names and addresses of two referees and quoting **Position No: 9666A** should be sent to:

The Appointments Officer
Swinburne University of Technology
P.O. Box 218
Hawthorn Victoria AUSTRALIA 3122

by no later than **28th February, 1994.**

Chief of Division

Package around A\$132K (A\$95K minimum fixed salary)



Division of Coal and Energy Technology NSW Australia

We are seeking an outstanding person to manage and provide strong leadership to our Division of Coal and Energy Technology in its provision of significant benefit to the coal, fuel and power industries.

The Division of Coal and Energy Technology is one of six within the Institute of Minerals, Energy and Construction and the Chief will be responsible to the Director of the Institute for the leadership and direction of the Division's research, commercialisation and technology transfer programs and the effective management of the Division's operation.

Candidates should be familiar with Australia's coal and fuel industries including coal preparation and use, power generation and fuel use. A strong commitment to the transfer of research results to industry, demonstrable management skills, organisational ability and communication skills of a high order, together with the ability to interact with the coal and energy industries at a senior level, will all be of importance.

Candidates will preferably have industry experience as well as a demonstrated ability to manage a significant research enterprise.

The Division has highly skilled staff located at Lucas Heights, NSW (80), North Ryde, NSW (170) and Pinjarra Hills, QLD (6); the Divisional Headquarters is at North Ryde. The major sites in particular are well equipped with scientific and analytic instruments and a broad range of experimental and pilot level facilities.

The Division is strengthening its contribution to coal preparation and the engineering science which underpins it, as well as conducting R&D in a broad spectrum of coal use, in liquid fuel and natural gas utilisation, and has a substantial effort in industrial environment monitoring and protection.

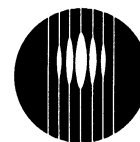
We invite applications for the position and would also like to hear from people within the field who may wish to suggest possible candidates.

Appointment to CSIRO is for an indefinite period and carries Australian Government superannuation privileges, subject to normal conditions. The position of Chief of the Division is offered for a negotiable term of five to seven years, with subsequent options for a further term, if mutually desired, or for a senior position in the Organisation.

Alternatively, a successful candidate may wish to negotiate a private contract.

The Chairman of the Selection Committee, Dr A F Reid, would be pleased to provide further information or discuss the position with potential applicants. He would also be pleased to receive nominations for the appointment from people with standing in the field. He may be contacted in Sydney, Australia, by telephoning (61 2) 887 8212 or on facsimile (61 2) 887 8197.

Applications stating full personal and professional details, and names of at least three professional referees should be directed to: **The Director, CSIRO Institute of Minerals, Energy & Construction, PO Box 93, North Ryde NSW 2113, AUSTRALIA** by February 28, 1994.



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POSITIONS OPEN

OBERLIN COLLEGE

The Biology Department invites applications for a non-continuing one-year position as **ASSISTANT PROFESSOR** beginning August 15, 1994. The incumbent will teach an advanced course in some aspect of animal physiology, several lectures and 2 to 3 lab sections in our introductory Biology course. Candidates must demonstrate interest and potential excellence in undergraduate teaching and have a Ph.D. expected by August 1994. To be assured of consideration, a letter of application, résumé, undergraduate and graduate transcripts, and at least three letters of reference should be sent to: **David H. Miller, Chair, Biology Department, Oberlin College, Oberlin, OH 44074**, by April 4, 1994. Application materials received after this date may be considered until the position is filled. **FAX: (216) 775-8960**. *Equal Opportunity Employer/Affirmative Action.*

MOLECULAR-CELLULAR BIOLOGIST

ASSISTANT PROFESSOR, tenure-track position in molecular-cellular biology, Eastern Washington University, Department of Biology. Teaching responsibilities will include an introductory biology course for majors, upper-division courses in developmental biology and molecular-cellular biology, and a graduate specialty course in molecular-cellular biology. The successful candidate will be expected to conduct research, direct graduate students at the master's level and develop a funded research program. The candidate must have a Ph.D., postdoctoral experience and prior teaching experience.

Eastern Washington University is a state comprehensive university committed to increasing the diversity of its faculty, staff, students, and academic program offering and to strengthening sensitivity to diversity throughout the institution. We are an Affirmative Action/Equal Opportunity Employer, and applications from members of historically underrepresented groups are especially encouraged. Applicants must send curriculum vitae, statement of teaching and research, and the names and addresses of three references by March 11, 1994, to: **Dr. S. Schwab, Chair, Department of Biology MS #72, Eastern Washington University, Cheney, WA 99004-2499**.

UCSF Neurology and Neuroscience

The Departments of Physiology and Neurology at the University of California, San Francisco, seek a board-certified neurologist doing fundamental research related to neurological illness. The successful applicant will occupy a tenure-track position at the level of **ASSISTANT to FULL PROFESSOR**, with a joint appointment in the Departments of Physiology and Neurology and in the interdepartmental Neuroscience Graduate Program. The applicant will carry out an independent research program and will participate in graduate and professional school teaching. Applications should include curriculum vitae, a statement of research interests, reprints of selected publications, and the names, addresses and telephone numbers of three individuals whom the applicant has asked to submit letters of recommendation. *Women and members of underrepresented minority groups are encouraged to apply.* Materials should be sent to: **Chairman, Neurology/Physiology Search Committee, Department of Physiology, Box 0444, University of California, San Francisco, CA 94143-0444**. *UC San Francisco is an Equal Opportunity/Affirmative Action Employer.*

DEVELOPMENTAL BIOLOGIST University of Colorado Health Sciences Center

The Department of Cellular and Structural Biology and the Department of Pediatrics invite applications for two faculty appointments, preferably at the level of **ASSISTANT PROFESSOR**. Candidates must have demonstrated excellence, originality and productivity in research and should have a strong interest in medical and graduate student teaching. Research must emphasize basic mechanisms of development in either vertebrate or invertebrate systems, integrating molecular, cellular, genetic and/or embryological approaches. Applications, including curriculum vitae, a one-page statement of research plans and objectives, and three letters of reference should be sent to: **Developmental Biology Search Committee, Box B-111, University of Colorado Health Sciences Center, 4200 East 9th Avenue, Denver, CO 80262**. Application review will begin February 15, 1994. *The University of Colorado is an Affirmative Action/Equal Opportunity Employer.*

POSITIONS OPEN

SCRIPPS INSTITUTION OF OCEANOGRAPHY GEOCHEMISTRY

Applications are invited for a faculty position in any area of the geochemistry of the solid earth and/or the oceans. The appointment will be at the **ASSISTANT** or **ASSOCIATE PROFESSOR** level; exact rank and salary will be commensurate with qualifications and experience in accordance with University of California academic policy and pay scales. Applicants must show evidence of excellence and independence in research as demonstrated by their publication record and letters of reference. The position will involve teaching and research supervision at the graduate level, and may also include opportunities for undergraduate instruction in UCSD's Earth Science major program. Applicants must hold the Ph.D. degree at the time of appointment. Applications should include a detailed résumé with a description of research interests and plans, teaching experience, publication list, and the names and addresses of at least three references to: **University of California, San Diego, Chair—Geochemistry Search, Scripps Graduate Department, 9500 Gilman Drive, La Jolla, CA 92093-0208** by March 1, 1994. *UCSD is an Equal Opportunity/Affirmative Action Employer.*

MANAGER OF R&D IN ISRAEL

Xenograft Technologies, Ltd. is seeking a senior immunologist with 5 to 15 years of experience in product development in the pharmaceutical or biotechnology industry to lead its R&D efforts in Rehovot. Candidates should have direct experience in developing monoclonal antibody-based therapeutic products. Contact: **President, 2044 Columbus Parkway, Benicia, CA 94510; (FAX: 707/747-7010) or General Manager, P.O. Box 370, Rehovot 76100**.

The University of Virginia is seeking applicants for a **CHAIR-level**, professorial appointment in Organic Chemistry. The successful candidate would be expected to possess extensive experience in teaching and research in organic synthesis as well as a demonstrated record of funding commensurate with an appointment at this level. Letters of application and nomination accompanied by curriculum vitae and a list of references should be addressed to: **B. Milligan, Department of Chemistry, University of Virginia, McCormick Road, Charlottesville, VA 22901**. *The University of Virginia is an Affirmative Action/Equal Opportunity Employer.*

DNA/RNA PURIFICATION HEAD

Requires extensive experience in DNA, S-DNA, and RNA HPLC purification at the preparative level. GMP experience an asset. Hands-on self-starter with ability to interact well critical. Profitable small Northwest biotech company. Curriculum vitae/references to: **P.O. Box 45, Science Classified Advertising, 1333 H Street, N.W., Room 814, Washington, DC 20005**.

DIRECTOR, MOUNTAIN AQUACULTURE RESEARCH CENTER

Western Carolina University, a senior institution of the University of North Carolina located in the beautiful mountains of western North Carolina, invites applications for the position of Director, Mountain Aquaculture Research Center. The Center is committed to fostering and conducting research related to the application of biotechnology to cold-water aquaculture. Candidates must have a Ph.D. and a continuing record of scientific productivity in a relevant area. The successful candidate will be expected to develop extramurally funded research programs, to direct facility development, and to communicate effectively with representatives of government, industry and academe.

The anticipated date of appointment for the 12-month, full-time position is July 1994. Salary will be commensurate with background and experience. By March 1, 1994, interested persons should submit a statement of interest, current curriculum vitae and three letters of recommendation to: **Chairman, Director Search Committee, College of Arts and Sciences, Western Carolina University, Cullowhee, NC 28723**.

Western Carolina University is an Affirmative Action/Equal Opportunity Employer.

POSITIONS OPEN

EXECUTIVE DIRECTOR SUSTAINABLE BIOSPHERE INITIATIVE PROJECT OFFICE

The **ECOLOGICAL SOCIETY OF AMERICA (ESA)** seeks applications for the position of Executive Director of the Sustainable Biosphere Initiative Project Office. Located in Washington, D.C., the Office identifies basic and applied ecological research problems, seeks research support, and coordinates multi-agency ecological research projects, especially in the areas of global change, biodiversity and sustainability, and assists in the translation of research results to decision-makers in support of ecologically sound natural resource policies and regulations.

Applicants should have a Ph.D. degree in ecology and at least 10 years of professional experience in ecological or natural resource research and/or management. Send letter of intent, résumé, and the names of four references to: **Dr. Jane Lubchenco, Department of Zoology, Cordley 3029, Oregon State University, Corvallis, OR 97331-2914**. Applications will be reviewed beginning January 1, 1994. *The ESA is an Equal Opportunity/Affirmative Action Employer.*

PROFESSOR AND DEPARTMENT HEAD

**Department of Fisheries and Wildlife Sciences
Virginia Polytechnic Institute and State University**

We seek applications and nominations to head this diverse and productive department of 21 faculty, 55 graduate students, and more than 350 undergraduate students. The Department Head is responsible for supervision of faculty and staff; providing program leadership for teaching, research, and extension programs; seeking external support for programs; and liaison with groups within and outside the University. Desired qualifications include noteworthy leadership, administrative, and interpersonal skills; distinguished record of scholarly achievements; and knowledge of, and commitment to, teaching, research, and public service missions. Abilities in fund-raising for program development, though not required, are highly desirable. The position is available on or about July 1, 1994. Review of applications will begin April 1, 1994, and continue until the position has been filled. Applications should include a letter of application; curriculum vitae; and the names, addresses, and telephone numbers of five references qualified to comment on the applicant's qualifications. Completed applications or nominations should be sent to: **Dr. Donald J. Orth, Chair, Search Committee, Department of Fisheries and Wildlife Sciences, Virginia Polytechnic Institute and State University, Blacksburg, VA 24061-0321; (Telephone: 703-231-5919, FAX: 703-231-7580, Bitnet: Orth@vtvm1, Internet: Orth@vtvm1.cc.vt.edu)**. *Virginia Tech has a strong commitment to the principle of diversity and, in that spirit, seeks a broad spectrum of candidates including women, minorities, and people with disabilities. Individuals with disabilities requiring accommodations in the application process should call (703) 231-6994.*

PHYSICAL THERAPY SCIENTIST

**University of Illinois at Chicago
Department of Physical Therapy**

Immediate opening for two full-time faculty positions at the **ASSISTANT PROFESSOR** level or higher in the Department of Physical Therapy at the University of Illinois at Chicago (UIC). Candidates must be eligible for PT licensure in Illinois, and have a doctoral degree. One appointment will be in the area of orthopedics, kinesiology, or biomechanics, and the other in the area of neuroscience, adult neurology, or motor control. This is a unique opportunity to combine teaching at the undergraduate and graduate levels with an individualized mix of research and clinical activities. The UIC Department of Physical Therapy has a commitment to provide research support in the form of laboratory facilities and engineering assistance for basic or applied research into the scientific basis of therapeutic practice. Strong academic research faculty and experienced clinical staff are available in the department for collegial interactions. Rank and tenure-track status are negotiable. For the fullest consideration, please send a letter of interest and a résumé by February 28, 1994, to: **Z. Hasan, Ph.D., Chairman, Search Committee, Department of Physical Therapy, University of Illinois at Chicago, 1919 West Taylor Street, Chicago, IL 60612**. *(UIC is an Equal Opportunity/Affirmative Action Employer.)*

THE CHINESE UNIVERSITY OF HONG KONG

The University (founded 1963) offers comprehensive programmes up to PhD level in the Humanities, Business Administration, Education, Engineering, Medicine, Science, Social Science and Architecture. Student enrolment will be 11,000 full-time equivalent in 1994-95. The University is very active in promoting research and consultancies and in liaising with industry and the business sector worldwide. English and/or Chinese are used in teaching and administration.

Applications are invited for:

Professor of Biology (Ref. 112B/509/2/93)

The University seeks a biologist with a distinguished record of achievements in molecular biology and/or genetics. Candidates for the position should have recognized scholarly achievements and proven record of academic leadership in teaching and research. The existing major research areas are (a) microbial biotechnology and bioconversion processes; (b) environmental pollution and toxicology; and (c) marine biore-sources and mariculture. Some interest in one or more of these specialties would be an advantage.

Senior Lectureship/Lectureship in the Department of Biology (Ref. 115A/509/2/93)

Applicants should have a doctoral degree and be keen on undertaking research and teaching on aspects of Environmental Science. The appointee is expected to be involved in curriculum development in the new Environmental Science Programme jointly offered by the Departments of Biochemistry, Biology and Chemistry, and to teach Environmental Science courses such as resources management, risk assessment or toxicology, and some related Biology courses. The appointee will be required also to participate in the activities of the department and to direct graduate research.

Annual Salary and Fringe Benefits

Professor: HK\$836,580 (minimum)
Senior Lecturer: HK\$586,080-787,320 by 8 increments
Lecturer: HK\$377,220-630,180 by 10 increments
(approx. exchange rate in December 1993: US\$1=HK\$7.8)
Starting salary and grade will be commensurate with qualifications and experience.

For superannuable appointment, benefits include leave with full-pay, contributory superannuation scheme (University 15%, appointee 5%), medical and dental care, education allowances for children, housing benefit for eligible appointee with an annual salary at or above HK\$402,480 (with appointee contributing 7.5% of salary towards the provision of housing) and leave passage benefits for eligible appointees and dependants. Appointment may also be made on fixed term contract which carries equivalent benefits including a contract-end gratuity (15% of basic salary) in lieu of superannuable benefits. The University may also consider more flexible terms for suitable candidates subject to mutual agreement. Retirement age is 60 but appointment may be extended beyond 60 subject to mutual agreement.

Application Procedure

Send full resume in duplicate and names and addresses of 3 referees, with copies of academic credentials (in duplicate) and recent publications, to the Personnel Office, The Chinese University of Hong Kong, Shatin, N.T., Hong Kong (Fax: (852)603 5026) before **February 14, 1994**. Please quote the appropriate reference no. and mark "Recruitment" on cover. For enquiries regarding the Professorship, please write to Dean, Faculty of Science, The Chinese University of Hong Kong (Fax: (852)603 5315; E-mail: {KYOUNG@CUHK.HK} or {B063732@CUCSC.BITNET}). Enquiries on the Senior Lectureship/Lectureship may be directed to the Personnel Office.



UNSW

THE UNIVERSITY OF NEW SOUTH WALES

SCHOOL OF PATHOLOGY CENTRE FOR THROMBOSIS AND VASCULAR RESEARCH

SENIOR RESEARCH OFFICER (NH&MRC)

Fixed Term

Salary: \$A41,000 - \$A48,688 per annum.

The Centre for Thrombosis and Vascular Research requires the services of a Molecular Biologist. Research at the Centre, which has laboratories at the University of New South Wales and the Prince of Wales Hospital, has a broad focus which encompasses studies of the functions of vascular cells and platelets in normal and disease processes; autoimmune diseases in haematology, and the catabolism of plasminogen activators and their inhibitors. The Centre is very well funded with expertise in protein chemistry, cell biology and molecular genetics.

A Molecular Biologist with experience in expression and mutation of proteins is sought. Preference will be given to candidates who have worked with the baculovirus expression system. The candidate must have post-doctoral experience and be capable of working independently. A knowledge and understanding of EEO/AA principles is required.

The position is available for an initial period to 31 December 1994, with the prospect of funding for at least 5 years.

Further information is available from Dr Philip J Hogg on telephone (61 2) 399 2939, facsimile (61 2) 398 4275.

Applications close 4 February 1994.

PLEASE QUOTE Ref 508SCI

RESEARCH ASSISTANT (NH&MRC)

Fixed Term

Salary: \$A28,700 - \$A38,950 per annum.

A position is available for a Research Assistant with experience in molecular techniques, preferably in the area of eukaryotic expression systems. The project involves characterisation of epitope of drug-related antibody located on glycoprotein Ib/IX of the platelet membrane using site-directed mutagenesis.

Applicants should hold a BSc(Hons) or higher degree. A knowledge and understanding of EEO/AA principles is required.

The position is available for an initial period to 31 December 1994, with the prospect of funding for at least 5 years.

Further information is available from Associate Professor B H Chong on telephone (61 2) 399 4049, facsimile (61 2) 398 4275.

Applications close 4 February 1994.

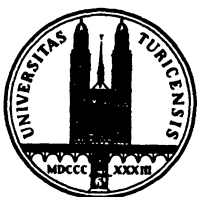
PLEASE QUOTE Ref 509SCI

APPLICATION PROCEDURE

Unless otherwise stated in the body of the advertisement-applicants should submit a written application QUOTING REFERENCE NUMBER (if applying for more than one position a separate application is required for each reference). Include business and private telephone numbers; a complete resume, (copies of academic transcript and qualifications where appropriate); and the names, addresses (and preferably facsimile numbers) of at least two referees to: The Recruitment Officer, Human Resources, P.O. Box 1, Kensington, N.S.W. 2033 Australia by applications close date. People from EEO groups are encouraged to apply.

21585

*Equality of employment opportunity is University policy
The University supports a smoke free work environment*



ETH zürich

The University of Zurich and the Swiss Federal Institute of Technology, Zurich, invite applications for the tenured position of a

Professor in Biomedical Engineering

who will be the head of the Institute of Biomedical Engineering, which is jointly operated by the University of Zurich and the Federal Institute of Technology in Zurich (ETHZ).

Research should focus on an innovative area within biomedical engineering in close cooperation with the School of Medicine. The teaching duties will include lectures and courses at all levels. Non-German speaking candidates will be expected to acquire sufficient language skills within a reasonable period of time.

Requirements for candidacy are an outstanding scientific achievement and a vigorous research program, leadership qualities, teaching abilities, and a willingness for collaborative efforts within and outside the two universities. The chair is a joint position of the University of Zurich and ETHZ.

Written application should be submitted to the **Chairman of the Search Committee, Prof. Dr. M. Turina, Clinic for Cardiovascular Surgery, University Hospital, Rämistrasse 100, 8091 Zurich (telephone +1 255 32 98, fax +1 255 44 46, not later than February 28, 1994)**. Applicants should consult "Guidelines for submission of application", available through the Office of the Dean, University of Zurich, Gloriastrasse 23, CH-8091 Zurich, Fax +1 255 45 65. Younger and female scientists are encouraged to apply.

Meeting Announcement

**Workshop on HIV/SIV Pathogenesis and Mucosal Transmission
AIDS Postdoctoral Fellows Meeting**

March 14-17, Bethesda, Maryland

The purpose of the Workshop is to identify research priorities in the area of pathogenesis and mucosal transmission and to promote collaboration between investigators in basic biological research, in clinical/epidemiological research and in non-human primate models of HIV disease. Topics will include biology of mucosal transmission, host factors affecting susceptibility to infection and/or rates of progression, animal models of HIV pathogenesis, and HIV/SIV-related neuropathogenesis. The NIAID anticipates additional funding in FY95 for collaborative multidisciplinary research in HIV/SIV Pathogenesis and in Sexual/Mucosal Transmission.

A concurrent AIDS Postdoctoral Fellows Meeting will provide opportunities for postdoctoral fellows to network with AIDS investigators. The Fellows Meeting will include additional topics (e.g., neuro-AIDS, pharmaconeuroimmunology, and strategies to prevent HIV infection and transmission), posters, short talks and tutorial sessions. Funds will be provided to a limited number of minority scientists to attend the meeting in order to encourage participation of minority groups that are underrepresented in AIDS research.

For registration, abstract submission, or further information contact:



Mary Novak
HIV/SIV Pathogenesis and Mucosal Transmission
AIDS Postdoctoral Fellows Meeting
ATLIS Federal Services, Inc.
6011 Executive Boulevard
Rockville, Maryland 20852
Telephone: (301) 816-4221; FAX: (301) 468-6759

Sponsored by the National Institute of Allergy and Infectious Diseases (NIAID), National Institute on Drug Abuse (NIDA), National Institute of Mental Health (NIMH), and NIH Office of AIDS Research.

Deadline for Application and Abstract Submission March 1, 1994

**SENIOR SCIENTIST
MOLECULAR BIOLOGY
Boulder, Colorado**

5 Prime → 3 Prime, Inc., a rapidly growing biotechnology products manufacturer, has an immediate research and development position available. The position requires a Ph.D. in molecular biology with demonstrated scientific independence and a strong record of product development accomplishment.

We invite candidates with a minimum of 5 years industrial experience, who possess a strong interest in bringing in new technology, strong communication skills and a team orientation. This is a management track position.

5 Prime → 3 Prime offers a competitive compensation and benefits package and generous relocation arrangements, plus the opportunity to pursue personal and professional growth in culturally dynamic Boulder, Colorado. Qualified candidates should send resume and 3 references to:



Human Resources
5 Prime → 3 Prime, Inc.
5603 Arapahoe Road
Boulder, Colorado 80303

**THE COMPREHENSIVE CANCER CENTER OF
WAKE FOREST UNIVERSITY
THE BOWMAN GRAY SCHOOL OF MEDICINE**

Applications are invited for 11 new faculty positions at the Assistant, Associate or Full Professor level. The Bowman Gray School of Medicine and the North Carolina Baptist Hospital have recently completed a \$200,000 construction and renovation program.

Three faculty positions for Ph.D. scientists are available in a newly formed Department of Cancer Biology. Areas of institutional interest include signal transduction pathways of oncogenes and tumor suppressor genes, cytokine biology, growth regulation, carcinogenesis and oxidative injury.

Six of these faculty positions are for scientists who will develop research programs in gene therapy. Two appointments will be M.D. or M.D./Ph.D. oncologists (one in bone marrow transplantation, one in clinical pharmacology), and four will be Ph.D. scientists (transgenic biologist, cytokine immunologist, virologists, molecular biologist).

One medical oncologist with a research interest in cancer clinical trials.

The Center is also recruiting an M.D. as Director of Cancer Prevention, a major leadership position within the Comprehensive Cancer Center. This person should be well versed in classic prevention and/or epidemiology, but primary research interests should be in the molecular aspects of cancer diagnosis or prevention.

Applicants should submit a curriculum vitae and statement of research interests to Frank M. Torti, M.D., Director, Comprehensive Cancer Center of Wake Forest University, The Bowman Gray School of Medicine, Medical Center Boulevard, Winston-Salem, North Carolina 27157.

AA/EOE

POSTDOCTORAL FELLOWSHIP

DNAX Research Institute, located near Stanford University, carries out basic research in Immunology and Molecular Biology in an open, academic environment. We are looking for bright, motivated individuals for a period of 2-3 years, who can contribute to our enthusiastic and productive research program.

A Postdoctoral position is now available to study a newly appreciated class of immunoregulatory and inflammatory cytokines. Experience in any of the following areas is desirable: molecular biology and expression cloning, receptor-ligand binding interactions, signal transduction, animal models of inflammation, leukocyte adhesion and trafficking.

Qualified applicants should send a curriculum vitae, statement of research interests, and the names of three references to the **Human Resources Department, DNAX Research Institute, 901 California Avenue, Palo Alto, CA 94304. DNAX is an equal opportunity employer, m/f/d/v.**

DNAX Research Institute

Research Corporation Technologies, the world's most successful independent technology transfer company, invites applications for the position of

LIFE SCIENCES ASSOCIATE

Applicants should have a Ph.D. in modern molecular biology with emphasis in immunology, oncology or animal genetics and five years industrial experience in product-oriented research and development. Strong written, oral and interpersonal communication skills required.

Associates in the Life Sciences Group:

- appraise technologies developed at universities and other sources for utility and likely long-term value in competitive markets
- oversee patent prosecution for technologies
- identify appropriate commercial partners for technology development
- develop commercialization strategies that maximize the potential value of technologies
- negotiate license and other technology development agreements.

Research Corporation Technologies offers a competitive salary, generous benefits and short- and long-term incentive compensation plans. Send résumé in confidence to:

Director
Life Sciences Group
Research Corporation Technologies
101 N. Wilmot Road
Suite 600
Tucson, AZ 85711-3335

Equal opportunity employer



RESEARCH
CORPORATION
TECHNOLOGIES

Announcing Postdoctoral Fellowships with the Glenn T. Seaborg Institute for Transactinium Science

The Glenn T. Seaborg Institute for Transactinium Science (ITS) was established to foster the fundamental and applied science and technology of the transactinium elements which begin with thorium (element 90) and extend through the heaviest element currently known, element 109. The ITS offers research opportunities for both experimental and theoretical studies of these elements in areas such as environmental and solution chemistry, absorption and emission spectroscopy, and studies of nuclear and chemical properties.

One of the fellowships to be awarded will be the prestigious Glenn T. Seaborg Fellowship. The Fellowship was established this year through funding from the U.S. Department of Energy.

Award Details

Fellowships include stipend, transportation and relocation fees. The fellowships may include travel subsidies and are renewable on a yearly basis for up to two years. Start dates are negotiable but may begin as early as spring, 1994.

Qualifications

A Ph.D. in chemistry, physics or a related field and interest in transactinium science is required. Applicants with U.S. citizenship or permanent residency are preferred.

To Apply

Interested individuals must submit the following information by February 15, 1994: curriculum vitae including publication list, two letters of reference, a letter of recommendation from the academic research advisor, and copies of undergraduate and graduate transcripts.

Application materials should be sent to:

Attn: Ms. Quincy McClain
Lawrence Livermore National Laboratory
Dept. AJSCIE4QM
P.O. Box 5510, Mail Stop L-725
Livermore, CA 94551
Phone #: (510) 423-9758

University of California

 Lawrence Livermore
National Laboratory

LLNL is an Equal Opportunity Employer.
Minorities and women are especially encouraged to apply

POSITIONS OPEN

INDIANA UNIVERSITY SCHOOL OF MEDICINE SOUTH BEND CENTER FOR MEDICAL EDUCATION

Is seeking an individual who will hold a joint appointment with the University of Notre Dame to serve as **ASSISTANT DEAN** of the Indiana University School of Medicine South Bend Center for Medical Education at Notre Dame. In cooperation with the University of Notre Dame in South Bend, the Center is one of eight that provide the first- and second-year medical curriculum as part of the Indiana University System of State-wide Medical Education and one of four that will offer the combined M.D./Ph.D. degree. Candidates should possess an M.D. and/or Ph.D., be knowledgeable in scientific research and have a keen interest and experience in medical education and administration, together with an aptitude for community involvement. The School has a special commitment to increasing the number of physicians in the area of primary care who practice outside urban areas. Salary is negotiable. Tenure-track, professorial rank commensurate with credentials. Send curriculum vitae and references to: **Doris H. Merritt, M.D., Chairman, Search Committee, Dean's Office, Fesler Hall 302, 1120 South Drive, Indianapolis, IN 46202-5114.**

Affirmative Action/Equal Opportunity Employer, M/F.

The College of Science and Engineering invites applications for a full-time **TENURE-TRACK POSITION** in the **Department of Biology** beginning August 1994. Applicants must be committed to undergraduate education and will be expected to establish a research program involving students. Ph.D. is required. The Department is particularly interested in candidates trained in molecular biology, especially with an emphasis in plant biology, immunology or neurobiology; OR broadly trained biologists with expertise in plant biology or neurobiology. Application processing will begin February 1, 1994, and continue until the position is filled. Please send curriculum vitae, a description of current and planned research, a statement of teaching interests and the names of three references to: **Dr. Cathy McElwain, Chair of the Search Committee, Department of Biology, Loyola Marymount University, Loyola Boulevard at West 80th Street, Los Angeles, CA 90045-2699.** If any questions, Dr. McElwain may be reached by Telephone: 310-338-7776 or E-mail: **MMCELWAI@LMU.MAIL.LMU.EDU**. Special emphasis is placed on teaching effectiveness, scholarly achievement, and service to the University for purposes of reappointment, tenure and promotion consideration. *Women and minorities are strongly encouraged to apply. Loyola Marymount University is an Equal Opportunity/Affirmative Action Employer.*

FACULTY POSITION

The University of North Carolina at Chapel Hill invites applications for a junior or senior tenure-track **FACULTY POSITION** in the Department of Cell Biology and Anatomy. Appointee must have a Ph.D. or M.D. degree and will be expected to establish or have a funded research program in a modern area of cellular, molecular or developmental biology and to participate in teaching first-year medical and doctoral students. Starting date negotiable. *Women and minorities are encouraged to identify themselves.* Send curriculum vitae, a description of current and future research plans, and have three letters of recommendation sent independently by March 1, 1994, to: **Dr. Charles R. Hackenbrock, Chair, Department of Cell Biology and Anatomy, School of Medicine, 108 Taylor Hall, CB# 7090, University of North Carolina at Chapel Hill, Chapel Hill, NC 27599-7090. AN EQUAL OPPORTUNITY/AFFIRMATIVE ACTION EMPLOYER.**

POSTDOCTORAL POSITION in immunology to study immunosuppression by macrophage nitric oxide induced by Salmonella. Focus is on cytokine networks and cell interactions leading to nitric oxide synthase expression and immunosuppression. Knowledge and/or experience with cellular immunology, macrophage biology, cytokine assays, *in situ* hybridization, and RT-PCR helpful. Send curriculum vitae to: **Dr. Toby K. Eisenstein, Department of Microbiology and Immunology, Temple University School of Medicine, 3400 North Broad Street, Philadelphia, PA 19140.** Temple University is an Equal Opportunity/Affirmative Action Employer and strongly encourages applications from women and minorities.

POSITIONS OPEN

NEW ZEALAND UNIVERSITY OF CANTERBURY LECTURER IN PLANT BIOLOGY

Applications are invited for the above position in the Department of Plant and Microbial Sciences. Applicants should have a Ph.D. degree in plant evolutionary biology or a related field. The appointee will be expected to contribute to the teaching of courses in evolution, plant diversity, plant reproductive biology and conservation and population biology, and to pursue an active research programme including the supervision of B.Sc. Honours, M.Sc. and Ph.D. students. Expertise in molecular systematic techniques and biostatistics may be an advantage.

The salary for Lecturers is on a scale from NZ\$40,000 to NZ\$50,000 per annum.

Applications close on 28 February 1994.

Further particulars and Conditions of Appointment may be obtained from the undersigned. Applications, quoting **Position No. PL89**, must be addressed to: **Mr. A. W. Hayward, Registrar, University of Canterbury, Private Bag 4800, Christchurch, New Zealand.**

The University has a policy of Equality of Opportunity in Employment.

The Department of Biology at Laval University invites applications for a **FACULTY POSITION** for a marine ecologist specializing in benthic algae. Expertise in one or more of the following areas would be an asset: structure and dynamics of algal communities (periphyton or macroalgae); environmental control of production; algal-animal interactions; community or production modeling. The candidate will be expected to develop a strong research program within an interdisciplinary team in littoral ecology. Qualifications: Ph.D. or D.Sc. preferably with postdoctoral experience; working knowledge of French or ability to acquire it within a year of appointment. Teaching: participation in the teaching of introductory courses in plant biology or plant ecology, in an annual field course, and in the area of expertise. Rank and salary: according to the collective agreement. Send applications (with curriculum vitae and names and addresses of three referees) to: **Directeur, Département de biologie, Université Laval, Québec, Canada, G1K 7P4.** Deadline: March 15, 1994, or until a suitable candidate is found.

In accordance with the Canadian Immigration requirements, preference will be given to Canadian citizens and permanent residents of Canada. Laval University applies an Equal Opportunities Program.

FACULTY POSITIONS IN PHYSIOLOGY AND BIOPHYSICS CASE WESTERN RESERVE UNIVERSITY

The Department of Physiology and Biophysics invites applications for several tenure-track junior and senior positions. Candidates with strong credentials in membrane protein structure and function, membrane proteins expression/cloning, electrophysiological and biophysical approaches are especially encouraged to apply; however, outstanding candidates in all areas of cell physiology and biophysics will be given serious consideration.

Terms are highly competitive, and appointments provide excellent opportunities to develop strong, independent research programs in newly built state-of-the-art facilities in a top-ranked, expanding department and medical school.

Submit curriculum vitae, brief statement of interest and proposed research interest, representative reprints and names of four references to: **Dr. Antonio Scarpa, Department of Physiology and Biophysics, Case Western Reserve University, 10900 Euclid Avenue, Cleveland, OH 44106-4970.** Case Western Reserve University is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION to study EGF-EGF receptor interaction [see *J. Biol. Chem.* 268, 1742, 1993; *Ibid.* 267, 2274, 1992; *Protein Engineering* 6, 651, 1993] and interaction of EGF-like ligands with their cognate receptors as related to breast cancer. Experience in molecular biology essential; protein chemistry desirable. Send curriculum vitae and three references to: **Dr. Salil K. Niyogi, The University of Tennessee—Oak Ridge Graduate School of Biomedical Sciences, Biology Division, Oak Ridge National Laboratory, P.O. Box 2009, Oak Ridge, TN 37831-8077; FAX: (615) 574-1274.** Due to nature of funding, only U.S. citizens and permanent residents can be considered. UTK is an Equal Opportunity/Affirmative Action/Title IX/Section 504 Employer.

POSITIONS OPEN

BIOCHEMICAL ENDOCRINOLOGIST—POST-DOCTORAL POSITION. Research focus on mechanism of action of gonadotropic hormones, synthesis and testing of peptide agonists and antagonists, receptor biochemistry, signal transduction. Strong biochemistry background and familiarity with field desirable. Send curriculum vitae to: **Dr. Leo E. Reichert, Jr., Department of Biochemistry and Molecular Biology (A-10), Albany Medical College, Albany, NY 12208.**

POSTDOCTORAL POSITION available immediately for an innovative, highly motivated individual to study the propagation and adaptation of viruses in growing plaques. Experience with digital imaging and mammalian cell or virus culture is desirable. Submit curriculum vitae and three letters of reference to: **Dr. John Yin, Biotechnology and Biochemical Engineering Program, Thayer School of Engineering, Dartmouth College, Hanover, NH 03755-8000; FAX: (603) 646-3856, E-mail: JYIN@DARTMOUTH.EDU.**

DOCTORAL PROGRAM IN MOLECULAR & CELLULAR BIOLOGY AND PATHOBIOLOGY

Interdisciplinary program in fundamental molecular and cellular biology and its application to disease. Competitive stipends of \$10,000 to \$15,000 available. Contact: **Director, MCBP Program, College of Graduate Studies, Medical University of South Carolina, 171 Ashley Avenue, Charleston, SC 29425-2501.**

POSTDOCTORAL ASSOCIATE POSITION SUSTAINABLE AGRICULTURE

Position available immediately to study impacts of rotational grazing systems on soil biological, chemical, and physical properties. Part of a large project to develop and test indicators to help farmers monitor ecological, economic and quality of life changes resulting from adoption of management intensive grazing. Will work closely with diverse group of university scientists, agency and non-profit personnel and farmers. Requirements include soils or related Ph.D., knowledge of statistics, experience with complex data sets, and good communication skills. Send curriculum vitae and three references to: **Dr. Deborah Allan, Department of Soil Science, 439 Borlaug Hall, University of Minnesota, St. Paul, MN 55108; FAX: 612/625-2208.** UM is an Equal Opportunity Employer and encourages applications from women and minorities.

POSTDOCTORAL POSITION IN GENE THERAPY University of Connecticut Health Center

Position available for project aimed at selected delivery of fibrillin specific ribozymes RNA detection, immunoblotting, transfection, and the construction of receptor mediated delivery systems. Research experience in molecular and/or cell biology is desirable. Interested applicants should send a brief description of research experience, curriculum vitae, and names/addresses of 3 references to: **Petros Tsipouras, M.D., Department of Pediatrics, University of Connecticut Health Center, Farmington, CT 06030, MC-1515. Telephone: (203) 679-4691, FAX: (203) 679-1355.**

AN AFFIRMATIVE ACTION/EQUAL OPPORTUNITY EMPLOYER, M/F/PwD/V.

POSTDOCTORAL POSITION available immediately to study the mechanism and kinetics of transport of anionic drugs and fatty acids across the brain capillary endothelium. Ph.D. in cell biology, biochemistry or pharmacology. Cell culturing or kinetic modelling experience is desirable. Send curriculum vitae to: **Dr. Danny D. Shen, Department of Pharmaceutics BG-20, University of Washington, Seattle, WA 98185, U.S.A.; FAX: (206) 543-3204.**

SCIENCE welcomes placement of line classified ads by FAX. Please include name and telephone number for our confirmation call when transmitting ad to:

FAX NUMBER: 202-682-0816

**PRESIDENT
UNIVERSITIES RESEARCH ASSOCIATION, INC.
WASHINGTON, D.C.**

The Board of Trustees of Universities Research Association, Inc. (URA) has initiated a search for a new President of the Corporation. For best consideration, applications or recommendations for this position should be submitted by March 15, 1994.

URA, a not-for-profit District of Columbia corporation founded in 1965, presently consists of eighty research-oriented universities in the United States, Canada and Japan. The corporation was formed primarily for the purpose of managing and operating scientific research and related activities.

Since January 1967, URA has been the prime contractor to the Department of Energy (DOE) and its predecessor agencies for the design, construction, management and operation of the Fermi National Accelerator Laboratory (Fermilab) near Batavia, Illinois.

In January 1989, DOE selected URA to be the management and operating contractor for the SSC Laboratory, in Ellis County, Texas. Since the Congress enacted legislation in October 1993 mandating the orderly termination of the SSC, URA has been managing the SSC termination phase, now underway.

As Chief Executive Officer, the President is responsible for corporate policy development and long-range planning, as well as overall management of URA research and facility contracts. The President is also responsible for pursuit of URA interests in interactions with government, industry and the research community. This is a full-time position, reporting to the Board of Trustees, requiring regular travel in conjunction with URA's various activities.

Inquiries and nominations should be directed to:
Chairman, URA Search Committee
Universities Research Association, Inc.
1111 19th Street, N.W., Suite 400
Washington, D.C. 20036
URA is an Equal Opportunity Employer

Roche

IN-VITRO DIAGNOSTICS

SENIOR SCIENTIST

Roche Diagnostic Systems, Inc., a subsidiary of world-renowned Hoffmann-La Roche, Inc., is a leader in the development, manufacture, and marketing of in-vitro diagnostics for hospitals, laboratories, and physicians. We are seeking a Senior Scientist to be involved with the research and development of immunologically-based diagnostic assays.

The ideal candidate will have a Ph.D. in Chemistry or a Biological Science and a minimum of 3 years experience in the development of immunologically-based, in-vitro diagnostic assays. Experience in immuno-chromatographic assays and supervisory experience in an industrial setting preferred. The ability to function independently is a must, as are good written and oral communication skills.

We offer a competitive salary, generous benefits package, and a state-of-the-art environment that is conducive to professional success. For consideration, please forward your resume and salary requirements to: **Mr. John Mucci, Dept. TWT-94, Roche Diagnostic Systems, 1080 U.S. Highway 202, Branchburg, New Jersey 08876.** We are an equal opportunity employer.

Roche

Roche Diagnostic Systems

A Member of the Roche Group

THE AARON DIAMOND FOUNDATION POSTDOCTORAL RESEARCH FELLOWSHIPS *in the Biomedical and Social Sciences*

In 1994, The Aaron Diamond Foundation will support 25 postdoctoral research fellowships—to encourage excellence in research addressing the problems of **AIDS and drug abuse** and to increase the number of **biomedical and social scientists** working in **New York City** on these problems. The fellowship program is administered by the New York State Health Research Council, aided by a panel of distinguished scientists comprising the Fellowship Selection Committee.

The fellowship application is co-developed by the potential fellow and a mentor at a New York City institution. A list of over 200 established scientists interested in serving as mentors is included in the application materials, although applicants may apply with any qualified New York City scientist.

Support is provided for two years; a third fellowship year may be awarded upon subsequent application. The annual stipend is \$36,000 in the first year; the mentor's institution receives up to \$30,000 per year to cover costs associated with the fellow's research.

Preference is given to: (1) those with doctoral degrees awarded after 1987 (generally MDs must have completed their residency, while applicants with non-medical degrees may initiate the fellowship immediately after graduation); (2) applicants early in their careers, with three or fewer years of postdoctoral research experience; (3) those who are relocating to New York City; and (4) U.S. citizens or permanent residents. Women and members of minority groups are especially encouraged to apply.

APPLICATION DEADLINE: JULY 29, 1994

FURTHER INFORMATION:

Margaret Brown, Ph.D., Program Director
The Aaron Diamond Foundation Postdoctoral Research
Fellowship Program
5 Penn Plaza, Room 308
New York, NY 10001
(212) 613-2525

HEALTH SCIENTIST ADMINISTRATOR (HSA)

GS-601-12/13/14

The National Institute of General Medical Sciences, National Institutes of Health, Bethesda, MD is seeking a HSA, responsible for **managing the programming and evaluation of a portfolio of research and research training grants that support work in the fields of biorelated chemistry, particularly where the emphasis of research is on synthetic organic chemistry, bio-organic chemistry, bio-inorganic chemistry, medicinal chemistry, pharmaceutical chemistry, or biotechnology.** In addition, the incumbent provides scientific expertise in the above mentioned specialized areas and advises grantees and professional staff members regarding research aspects of grants within these areas of expertise and serves as a source of technical knowledge.

Applicants must possess specific knowledge, skills and abilities (KSAs) in order to qualify for this position. In addition to the KSAs, there are a number of documents that must be submitted when applying for this position. Applicants who fail to submit all of the required documents will not be considered for the position; therefore, it is crucial that applicants call to obtain this information. For information regarding the qualifications and application requirements, please call the NIGMS Personnel Office on (301) 594-7767. TDD Number is (301) 594-8884. Announcement closes February 7, 1994. U.S. Citizenship is required.

NIH is an Equal Opportunity Employer

POSITIONS OPEN

KIRIN



POSTDOCTORAL POSITION IN PLANT MOLECULAR BIOLOGY

A 2-year postdoctoral position is available immediately for individuals interested in plant molecular biology. Applicants will study the expression of the genes involved in fatty acid and lipid synthesis using transgenic plants. Applicants should have demonstrated experience in the area of molecular biology, biochemistry and/or plant physiology. Plant transformation technique is desirable, but not required. Salary and benefits levels are competitive. For information, FAX: (+81-45-788-4042) or call (+81-45-788-7205). Please send curriculum vitae, reprints and three letters of recommendation to: **Dr. Takeshi Ohtani, Central Laboratories for Key Technology, Kirin Brewery Co., Ltd., Fukuura 1-13-5, Kanazawa-ku, Yokohama 236, Japan.**

POSTDOCTORAL OPPORTUNITY

An exciting new gene therapy company is seeking an energetic and talented individual to work on projects concerning adenovirus-cell interactions. Candidates should have a Ph.D. in molecular biology or related fields. This position offers competitive salary and benefit package. Interested individuals should send a résumé and the names of three references to:

**GenVec, Inc.
Human Resources
Attention: IK
12111 Parklawn Drive
Rockville, MD 20852**

An Equal Opportunity Employer.

POSTDOCTORAL POSITION

A postdoctoral position is available immediately to study P-glycoprotein structure and function during the development of multidrug resistance. Expertise in the areas of molecular biology and/or cell biology preferred. Send curriculum vitae, a brief description of research experience and the names of three references to: **James Croop, M.D., Ph.D., Dana-Farber Cancer Institute, 44 Binney Street, Boston, MA 02115. Telephone: 617-632-2067. FAX: 617-632-2085.**

POSTDOCTORAL POSITION Albert Einstein College of Medicine

A postdoctoral research position is available in molecular virology. The project involves the study of human immunodeficiency virus reverse transcriptase (RT) with emphasis on genetic and biochemical approaches to dissect structure-function of RT, the mechanism of drug-resistance in HIV and the molecular biology of HIV DNA synthesis. Applicant must hold a Ph.D. degree in biochemistry, molecular biology, molecular virology or a related field. Minimal requirements are an expertise in molecular biology and a serious interest in AIDS research. Applicants should send curriculum vitae and names and addresses of three references to: **Dr. Vinayaka R. Prasad, Department of Microbiology and Immunology, Albert Einstein College of Medicine, Jack and Pearl Resnick Campus, 1300 Morris Park Avenue, Bronx, NY 10461.**

VASCULAR AND TUMOR BIOLOGY HARVARD MEDICAL SCHOOL

POSTDOCTORAL POSITIONS available immediately to study: (i) structure/function relationships of endothelial cell surface receptors and caveolae in the cellular transport of blood molecules under normal and pathological conditions, and (ii) tissue-specific drug delivery and vascular targeting in cancer. Experience in protein biochemistry (membrane protein purification, 2-D gel analysis, HPLC, microsequencing), cell biology (monoclonal antibody production, vesicular trafficking, immunofluorescence, immunoelectron microscopy), or molecular biology (site-directed mutagenesis, protein expression, cloning and sequencing) is required. Start date: March 1 to June 1, 1994. Please send curriculum vitae, a summary of research experience, and names of 3 references to: **Jan E. Schnitzer, M.D., Harvard Medical School, Beth Israel Hospital, Department of Pathology, 330 Brookline Avenue, Boston, MA 02215. An Equal Opportunity Employer.**

POSITIONS OPEN

POSTDOCTORAL POSITIONS (2 to 4 years) immediately available to study cellular and molecular mechanisms involved in the regulation of function and expression of epithelial ion transport proteins. Applicants should have a strong background in molecular biology, cell physiology, and/or structural cell biology. Send curriculum vitae, reprints and at least two letters of reference to: **E. B. Chang, M.D., Department of Medicine and Cell Physiology, University of Chicago, M/C 6084, 5841 South Maryland Avenue, Chicago, IL 60637. Affirmative Action/Equal Opportunity Employer.**

POSTDOCTORAL POSITION—NMR SPECTROSCOPIST—Two postdoctoral positions are anticipated for NMR studies of (1) RNA structure and (2) peptide structure. Candidates must have a Ph.D. or equivalent degree in chemistry, biochemistry, or related field. Experience in multidimensional NMR desirable. Send curriculum vitae, reprints of any relevant publications and 2 to 3 letters of reference to: **Dr. Kathleen M. Morden, Department of Biochemistry, Louisiana State University, Baton Rouge, LA 70803. For full consideration application should be received by February 15, 1994. LSU is an Equal Opportunity/Affirmative Action Employer.**

POSTDOCTORAL POSITION available immediately to investigate coupling of pancreatic beta-cells using fluorescence microscopy. Experience with one or more of the following desirable: calcium and voltage-sensitive dyes, whole-cell patch clamp, beta-cell culture. Please send curriculum vitae and names of three references to: **Dr. Norman F. Sheppard, Jr., Department of Biomedical Engineering, Johns Hopkins University, Baltimore, MD 21218. The Johns Hopkins University is an Equal Opportunity/Affirmative Action Employer.**

POSTDOCTORAL POSITION in Tropical Ecology available May/June 1994 in Costa Rica to study trophic cascades with *Piper* ant plants. Ph.D. in entomology, ecology or related field. Send curriculum vitae, reprints, and two letters of recommendation to: **Dr. Deborah K. Letourneau (JOB #T93-24), College 8, University of California, Santa Cruz, CA 95064. UCSC is an Equal Employment Opportunity/Affirmative Action/IRCA Employer.**

POSTDOCTORAL POSITIONS available in a project to functionally map regions of the mouse genome utilizing ES cell technology and the unique resources of the Jackson Laboratory. Experience in molecular and developmental biology preferable. Contact: **John Schimenti, Ph.D., The Jackson Laboratory, 600 Main Street, Bar Harbor, ME 04609. E-mail: jcs@aretha.jax.org. Telephone: 207-288-3371, extension 1257.**

POSTDOCTORAL POSITION available for recent Ph.D. interested in nucleoside transport and its role in cancer pharmacology (*Advan. Enzyme Regul.* 33:235, 1993). Studies include cloning of transporter genes and their expression in mammalian cells. Experience in molecular biology required. Send curriculum vitae and the names of three referees to: **Judith A. Belt, Ph.D., Department of Molecular Pharmacology, St. Jude Children's Research Hospital, P.O. Box 318, Memphis, TN 38101. An Equal Opportunity/Affirmative Action Employer. Women and minority candidates are encouraged to apply.**

POSTDOCTORAL POSITION in cancer immunology/molecular biology available. Expertise in molecular biology preferred. Please send curriculum vitae and summary of research experience to: **Dorothee Herlyn, D.V.M., Associate Professor, THE WISTAR INSTITUTE, 3601 Spruce Street, Philadelphia, PA 19104. Equal Opportunity Employer.**

POSTDOCTORAL POSITION—Available immediately to work with a transgenic mouse model for loss of peripheral tolerance and autoimmune skin diseases. Candidates should possess Ph.D. or M.D./Ph.D. with experience in Molecular Immunology or Molecular Biology. Contact: **Dr. Anthony A. Gaspari, Assistant Professor of Dermatology at the University of Rochester School of Medicine and Dentistry, 601 Elmwood Avenue, Rochester, NY 14642. Telephone: 716-275-1999; FAX: 716-271-4715.**

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

POSITIONS OPEN

Full-time, **POSTDOCTORAL RESEARCH POSITION**. New cardiovascular laboratory with interest in the sympathetic, parasympathetic, and neuropeptide control of cardiac muscle contraction and relaxation and cardiac electrical impulse transmission. Individual should have experience and familiarity with whole organ and isolated tissue investigations, computer database and statistical software. Submit curriculum vitae, the names of three references, and a short statement of present and future goals, by the deadline date of February 24, 1994, to: **Robert J. Henning, M.D., Cardiology Division, USF College of Medicine, Box 19, 12901 Bruce B. Downs Boulevard, Tampa, FL 33612-4799. USF is an Equal Opportunity/Equal Access/Affirmative Action Employer.**

POSTDOCTORAL POSITION NEUROBIOLOGY

Our research is aimed at understanding how axons from photoreceptor neurons in the developing retina establish their precise pattern of connections to target neurons in the visual centers of the brain. We use the fruitfly *Drosophila* to investigate the molecular and cellular bases of retinal axon guidance. Please send a letter of application with your research interests, curriculum vitae, and the names of references to: **Dr. Samuel Kunes, Room 433, 7 Divinity Avenue, Harvard University, Cambridge, MA 02138; Telephone: 617-496-3806.**

POSTDOCTORAL POSITION available to study novel human melanocyte and melanoma-specific genes. Experience in molecular biology/genetics is desirable. Interested candidates should send curriculum vitae and the names of three references to: **Dorothea Becker, Ph.D., Department of Medicine, University of Pittsburgh, BST E1050, 200 Lothrop Street, Pittsburgh, PA 15213-2582.**

POSTDOCTORAL FELLOW

The Institute for Biological Detection Systems at Auburn University invites applications for postdoctoral study in olfactory physiology. Ongoing research funded by a variety of federal agencies concerns determination of olfactory thresholds in dogs for various olfactory stimuli, pathophysiological and other factors that alter olfactory function, and investigation of physiological mechanisms by which alterations of olfactory function occur.

Responsibilities will include involvement in research projects conducted by the Institute, supervision of student and technical staff, preparation of contract and grant applications, and collaboration with the highly interdisciplinary faculty of the Institute.

The position requires a Ph.D. in physiology, pharmacology, biochemistry, or behavioral sciences. Research experience in olfactory physiology is preferred. A D.V.M. or equivalent is preferred.

Address applications, cover letters, curriculum vitae, and references to:

**L.J. Myers, D.V.M., Ph.D.
Director**

**Institute for Biological Detection Systems
410 Greene Annex
Auburn University, AL 36849-5532**

Closing Date: February 2, 1994.

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

POSTDOCTORAL TRAINING PROGRAM IN PSYCHONEUROIMMUNOLOGY. Two-year NIMH postdoctoral fellowship in psychoneuroimmunology at the Brain, Behavior and Immunity Center, University of Pittsburgh and Carnegie-Mellon University. Training in either human or animal models. Human work includes laboratory and field studies of mechanisms responsible for psychosocial influences on immunity and infectious disease, and on the role of immunity in schizophrenia. Animal work focuses on the identification of neurological and endocrinological mechanisms involved in stress-induced alterations of immunity. Additional information can be obtained from: **Bruce S. Rabin, M.D., Ph.D., Clinical Immunopathology—CLSI, University of Pittsburgh Medical Center, 200 Lothrop Street, Pittsburgh, PA 15213-2583, USA. Equal Opportunity Employer.**

POSTDOCTORAL FELLOWSHIP

DNAX Research Institute, located near Stanford University, carries out basic research in Immunology and Molecular Biology in an open, academic environment. We are looking for bright, motivated individuals for a period of 2-3 years, who can contribute to our enthusiastic and productive research program.

A Postdoctoral position is now available in the laboratory of Martin McMahon, Ph.D, to study the role of the Raf family of protein kinases in intracellular signal transduction. Previous work has focused on the ability of estradiol-dependent forms of Raf-1 to transform cells and to activate the MAP kinase cascade (Samuels et al., Mol. Cell Biol. 13:6241-6251). Candidates will have experience with either protein purification and characterization or recombinant DNA techniques. Experience with cell culture would be an advantage.

Qualified applicants should send a curriculum vitae, statement of research interests, and the names of three references to the **Human Resources Department, DNAX Research Institute, 901 California Avenue, Palo Alto, CA 94304. DNAX is an equal opportunity employer, m/f/d/v.**

DNAX

 Research Institute

THE RICHARD STOCKTON COLLEGE OF NEW JERSEY

The Division of Natural Sciences and Mathematics is seeking individuals to fill the tenure track positions below. Applicants should have completed the doctorate or be in the last stages of completion. Stockton is a state supported undergraduate liberal arts and sciences college located in the New Jersey Pine Barrens near Atlantic City, one hour from Philadelphia. The campus is uniquely suited to ecological and environmental studies. A major geothermal heating and cooling installation provides opportunities for research. Majors are available in Biology, Chemistry, Environmental Studies, Geology, Marine Science, Mathematics and Physics; a combined-degree Engineering program is growing rapidly. All faculty teach in program and general studies areas, do research involving students, and participate in college activities. Current salary range is \$30,529-\$38,799, may be higher depending on qualifications, experience and increases in the New Jersey Higher Education Compensation Plan.

BIOLOGY 1) **Plant Physiologist** with expertise in plant molecular biology; 2) **Comparative Animal Physiologist** who can also teach an advanced physiology course, with laboratory, primarily intended for advanced Physical Therapy students.

ENVIRONMENTAL STUDIES: Demonstrated depth and expertise in **Geographic Information Systems and Remote Sensing**; ARC/INFO knowledge required and GRASS desirable. Expected to teach courses in GIS and area of additional expertise and continue current articulation agreements in GIS/remote sensing with state agencies.

Screening begins February 25, 1994. Send letter of application, resume, three letters of recommendation, and evidence of completion or expected date of completion of Ph.D. to Dr. Barbara Byrne, Dean of Natural Sciences and Mathematics; Richard Stockton College of New Jersey, AA29, Pomona, NJ 08240. Stockton is an AA/EOE. Women and minorities are encouraged to apply. R402553.

NRC-CNRC

*NRC is Canada's principal science and engineering organization. We work with industry partners to improve Canada's competitiveness. Currently, the **Institute for Biological Sciences (IBS)** is looking for an energetic person who will provide the leadership required to further enhance our record of excellence.*

Research Officer Ottawa, Ontario

Your Challenge

Within the Immunochemistry Program, you will be responsible for a research program directed towards understanding the mechanism by which carbohydrate antigens when covalently coupled to protein carriers are converted to T-cell dependent antigens. It is anticipated that the research activities will include the use of specifically designed peptide glycoconjugate antigens to study structure-function relationships between protein glycoconjugate vaccines and T-cells.

Your Credentials

PhD in Immunology or Immunochemistry. Extensive experience in employing modern immunological techniques to analyze immunity to infections with microbial pathogens. Experience in the development of protective cellular and humoral immunity through appropriate presentation of antigens. Experience in animal vaccine models. A security screening will be required. In accordance with Canadian immigration policies, preference will be given to Canadian citizens and permanent residents of Canada.

Salary Range: Commensurate with qualifications.

To explore this opportunity, send your résumé by February 4, 1994, indicating reference number **BS-93-18-SC**, to: **The Recruitment and Staffing Section, National Research Council Canada, Ottawa, Ontario, Canada K1A 0R6.**

NRC is an equal opportunity employer.

Vous pouvez obtenir ces renseignements en français.



National Research Council Canada
Conseil national de recherches Canada

Canada

POSITIONS OPEN

POSTDOCTORAL POSITION available to study conformation of cell adhesion peptides using NMR and molecular modeling. Candidate with experience in multidimensional NMR is preferred. Send curriculum vitae and three references to: **Dr. Teruna Siahaan, Department of Pharmaceutical Chemistry, the University of Kansas, Lawrence, KS 66045.** An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL RESEARCH POSITION

Opportunity for a 2-year postdoctoral research fellowship in the general area of energy metabolism, body composition, and food intake to join a research team investigating the role of diet, substrate utilization, and energy expenditure in the development and prevention of obesity in children. Facilities available include indirect calorimetry, metabolic chamber, isotope ratio mass spectrometry, DEXA, underwater weight, and a Clinical Research Center. Candidates with experience with these techniques are encouraged to apply. Send curriculum vitae and 3 letters of reference to: **Michael I. Goran, Ph.D., Energy Metabolism Unit, Department of Nutrition Sciences, Webb Building, 1675 University Boulevard, University of Alabama at Birmingham, School of Health Related Professions, Birmingham, AL 35294, USA. (FAX: 205-934-7049).** The University of Alabama at Birmingham is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL/ASSOCIATE RESEARCH SCIENTIST COLUMBIA UNIVERSITY

Position is available to study the molecular genetic consequences of mitochondrial DNA mutations that result in human disease. See *Science* 246, 500-503, and *MCB* 12, 480-490, for details. Candidates should have a strong background in molecular biology. Send curriculum vitae, summary of research experiences and names of three references to: **Michael P. King, Ph.D., Department of Neurology, Columbia University, 630 West 168th Street, New York, NY 10032.**

An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL RESEARCH ASSOCIATE Department of Diagnostic Radiology Dartmouth Medical School in vivo NMR Laboratory

NMR pulse programmer: we invite applications from people with experience in the development and programming of imaging and/or spectroscopy pulse-sequences. Research will be done on a 7T 12cm bore horizontal magnet including 200mT/cm actively shielded gradients. This self-motivated person would be capable of collaborating with our small but growing team using multinuclear spectroscopy and imaging to study metabolic stress *in vivo*, as well as developing an independent line of research. Send curriculum vitae to: **Dr. Jeff F. Dunn, Department of Diagnostic Radiology, Dartmouth Medical School, 7786 Vail, Hanover, NH 03755.** Equal Opportunity/Affirmative Action Employer.

RESEARCH ASSOCIATE POSITION available immediately for studying metabolism of chemical carcinogens and carcinogen-DNA adduct formation in mammalian and fish systems. Ph.D. in bioorganic chemistry, biochemistry, biochemical toxicology, pharmacology, or related field required. Experience in metabolite isolation by HPLC and structural identification preferable. Please send résumé and names of three references to: **Dr. H. Sikka, Director, Division of Environmental Toxicology and Chemistry, Center for Environmental Research and Education, State University of New York College at Buffalo, 1300 Elmwood Avenue, Buffalo, NY 14222.** Telephone: 716-878-5422. FAX: 716-878-5400.

RESEARCH STAFF ASSOCIATE: The Department of Neurology at Columbia University College of Physicians and Surgeons is seeking qualified applicants for a new research associate position. Candidates should have a Bachelor's or higher degree and at least four years of professional experience. Required skills include small animal surgery, tissue culture, electrophysiological techniques, and computer systems. Send curriculum vitae, references, and a statement of research interests and goals to: **Arnold Kriegstein, M.D., Ph.D., 630 West 168th Street, Box 31, New York, NY 10032.** Columbia University is an Affirmative Action/Equal Opportunity Employer.

POSITIONS OPEN

POSTDOCTORAL FELLOW

A postdoctoral position is available beginning in January 1994 to participate in an ongoing study of the molecular dissection of chromosome regions involved in malignancy. The candidate must have a minimum of 1 to 2 years of experience in molecular genetic and recombinant DNA technology. This includes DNA isolation, nick translations, Southern blotting, sequencing, PCR analysis, library screening and other related procedures. Some experience in cytogenetics is helpful. Strong communication and writing skills are necessary. Please send résumé with names of 3 references to: **Dr. Linda A. Cannizzaro, Albert Einstein College of Medicine, Department of Pathology, F538, Jack and Pearl Resnick Campus, 1300 Morris Park Avenue, Bronx, NY 10461.** An Equal Opportunity Employer.

NMR SPECTROSCOPY

The Cardiovascular Institute at Columbia University seeks applicants with an M.D. or Ph.D. degree and 1 to 2 years of postdoctoral experience in NMR spectroscopy and expertise in coil design and pulse programming. Additional expertise in MR imaging would also be desirable. Our current interests are in pursuing multi-nuclear imaging and spectroscopy of the cardiovascular system including proton, sodium and phosphorus on 3T and 5T whole-body NMR systems. This is primarily a research position with no clinical responsibilities. Please send curriculum vitae, a reprint of a key publication and the names of two references to: **Dr. Jose Katz, Division of Cardiology, College of Physicians and Surgeons, Columbia University, 630 West 168th Street, New York, NY 10032.** Columbia University is an Affirmative Action/Equal Opportunity Employer.

GENE THERAPY IN THE BAY AREA

The Department of Gene Expression and Delivery at MEGABIOS Corp. is accepting applications for research scientists. MEGABIOS Corp. is a gene therapy company focussing on DNA/lipid gene delivery systems. Successful applicants should have a Ph.D. or M.D. and postdoctoral work in the area of gene expression, genetic switches or homologous recombination. Applicants must be able to work well with a multidisciplinary group and be excited about using their basic skills to develop human therapeutics. Please send curriculum vitae and references to: **Dr. Cori Gorman, Department of Gene Expression and Delivery, MEGABIOS Corporation, 871 Industrial Road, Suite J, San Carlos, CA 94070.**

ASSISTANT SPECIALIST II POSITION, full-time, at an annual salary of \$32,688, in mammary cancer research available June 1, 1994, to study role of hormones and growth factors in protooncogene activation during normal to tumor progression. Duties include handling of mice and rats, chemical carcinogens and cloning and characterization of oncogenes from tumors. Ph.D. with two years of postgraduate experience in mammary cancer studies and expertise in molecular biology preferred. Please send curriculum vitae and three letters of recommendation by February 15, 1994, to: **Ms. Carol Slatten, Cancer Research Laboratory, University of California, Berkeley, CA-94720.** An Equal Opportunity/Affirmative Action Employer.

GIS STAFF BIOLOGIST. The Seateck Foundation is seeking a staff biologist with an M.S. or Ph.D. to develop a regional GIS for Long Island/New York City for a New York State contract. Proficiency in UNIX and workstation ARC/INFO is required. Experience in botany, use of satellite imagery, hardware maintenance, and PC ARC/INFO are desirable. Salary based on qualifications. Send letter, curriculum vitae, and 3 reference letters to: **Dr. M. L. Oldfield, Executive Director, Seateck Foundation, P.O. Box 31, Islip, NY 11751.**

BIOLOGY—BOTANIST: One-semester sabbatical replacement at Whitman College, January to June 1995. Ph.D. desired. Teach Systematic Botany, one-half of a Field Biology course for non-majors, and direct student research. Whitman College is a liberal arts college of 1,200 students committed to excellence in undergraduate teaching, scholarship and research. Send curriculum vitae, three letters of recommendation, transcripts, and statement of teaching and research interests by February 1, 1994, to: **Dr. Heidi Dobson, Biology Department, Whitman College, Walla Walla, WA 99362.** Telephone: (509) 527-5141, 5225. FAX: (509) 527-5904. Equal Opportunity Employer.

POSITIONS OPEN

PHYSICAL SCIENTIST OR OCEANOGRAPHER

The Damage Assessment Center, National Oceanic and Atmospheric Administration (NOAA), seeks applications for a **SENIOR LEVEL SCIENTIST** position for its Silver Spring, Maryland, office. Salary range: \$56,627 to \$73,619 per annum. Applicants should have strong technical, communication, and management skills. Knowledge of scientific principles and approaches to conduct natural resource damage assessment for oil spills and the release of hazardous materials; knowledge of Federal and state trustee responsibilities related to natural resource damage assessment; and experience in interagency coordination are highly desirable. Duties: Serves as Chief, Injury Assessment Branch, and is responsible for evaluating potential injuries to NOAA trust resources, determining whether injury has occurred as a result of a hazardous material discharge, establishing pathways from the discharge to the injured resource, quantifying injury, and developing restoration plans in cooperation with NOAA's Restoration Center. Applicants should submit a completed Standard Form 171, Application for Federal Employment to: **Vacancy Announcement Number OA/N-94-23-VSD by February 11, 1994, to: NOAA/Personnel Operations Division/NOS-OAR-OGP Operations Branch, SSMC-3, OA213, 1315 East-West Highway, Silver Spring, MD 20910.** Applicants must be U.S. citizens.

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United States Department of Agriculture

**U.S. Department of Agriculture
Agricultural Research Service**

SUPERVISORY PLANT PHYSIOLOGIST/AGRONOMIST/SOIL SCIENTIST. ARS has a permanent position in the Systems Research Laboratory, in Beltsville, Maryland. Incumbent provides research leadership for the development of models, databases and expert systems for crop and soil systems; and administrative leadership for a diverse group of scientists and support staff. Working knowledge of crop physiology (particularly whole plant responses to soil and aerial environmental conditions), soils, hydrology. Knowledge in agricultural systems modeling is required. Ph.D. and research experience in general agricultural sciences are preferred. Grade Range: GS-13/14/15, salary ranging from \$49,947 to \$69,427 per annum. For position information, contact: **Dr. Philip C. Kearney, Institute Director, Natural Resources Institute, Beltsville, MD 20705; or call 301-504-7030; FAX: 301-504-6001.** For the vacancy announcement and application procedures, contact: **Rose Cunningham, ARS Personnel, 6305 Ivy Lane, Greenbelt, MD 20770-1435; or call 301-344-0105.** Applications should be marked **ARS-D-4-B0022-3**, and postmarked by February 22, 1994. Minorities and women are encouraged to apply. ARS is an Equal Opportunity Employer.

CARDIOVASCULAR MOLECULAR BIOLOGIST: The Deborah Research Institute, a private non-profit research institute, has a position available for an established, funded cardiovascular molecular biologist. The person will be appointed at the Senior Research Scientist level (equivalent to full or associate professor) and will develop and direct a laboratory working in the area of cell growth, cell proliferation, cell damage and repair, gene therapy and/or cell transformation. Specific or related research interests should be: cardiomyoplasty, coronary stenosis, cardiac myocyte injury repair, endothelial growth factors, and cardiac myocyte adaptations, or cardiac gene regulation. The person will develop collaborations with other basic and clinical scientists at the Deborah Research Institute and the Deborah Heart and Lung Center, as well as with other active cardiovascular scientists within industry and academic communities. This position will include specific administrative and committee responsibilities. Starting date will be July 1, 1994. Send curriculum vitae, three current papers, names and addresses of four references, and salary requirements by February 15, 1994, to: **C. David Ianzuzzo, Ph.D., Director, Deborah Research Institute, Trenton/Pine Mills Roads, Browns Mills, NJ 08015-1799; 609-893-1016 (Telephone), 609-893-2441 (FAX).** An Equal Opportunity Employer.

HEALTH SCIENTIST ADMINISTRATOR

The National Institutes of Health, National Eye Institute, Extramural Research Program, has a position as Health Scientist Administrator available in the Strabismus, Amblyopia, and Visual Processing Branch. The incumbent serves as a Program Director in the Branch and will be responsible for developing and administering, in collaboration with the Branch Chief, the research and training activities supported by grants, contracts, cooperative agreements, and training awards from the National Eye Institute.

A Ph.D., M.D., O.D., or equivalent degree with a background in biochemistry, cell biology, physiology, neuroscience, molecular biology, genetics or psychophysics is required.

Salary Range:

GS-13 \$47,920 to \$62,293

GS-14 \$56,627 to \$73,619

U.S. Citizenship Required

Duty Location: Bethesda, Maryland

How to Apply:

Submit a current SF-171, Application for Federal Employment, and information which responds to the Knowledge, Skills and Abilities (KSAs) related to the position to:

NEI Personnel Office

Bldg. 31, Rm. 6A-18

9000 Rockville Pike

Bethesda, Maryland 20892

ATTN: Jane Schriver



Further information may be obtained by contacting Jane Schriver or Regina Reiter on (301) 496-4274. Copies of the position description and the KSA supplemental application form are available in the NEI Personnel Office.

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ASSISTANT PROFESSOR OF PHYSIOLOGY

The Department of Physiology of the University of New Mexico School of Medicine is seeking candidates for a tenure-track, Assistant Professor position. **Minimum Requirements:** Advanced Degree, M.D., or Ph.D., and familiarity with systems physiology; demonstrated capability to organize and manage a basic research program. **Desired Qualifications:** Teaching experience in systems physiology; should be comfortable in teaching in a new, student-centered medical curriculum, as well as in the Regulatory Biology Division of the Medical Sciences Graduate Program.

In terms of research, it is not necessary for there to be any relationship between the successful candidate's research interests and his/her area of teaching responsibility. However, evidence of a history of extramural funding or activity seeking such funding as an independent investigator is desirable. The candidate's research should be in the forefront of the field, utilizing state-of-the-art technology. It would be preferable that the successful candidate would be able to integrate his/her research program with the two major research interests in the department; i.e., cardiovascular regulation and neurobiology.

Letter of interest, curriculum vitae, and names of three references should be sent no later than March 15, 1994, to:

Physiology Faculty Search Committee
c/o Donald V. Priola, Chairman of Search Committee
University of New Mexico
School of Medicine
Department of Physiology
915 Stanford Dr., NE
Albuquerque, New Mexico 87131
PHONE: (505) 277-5751
FAX: (505) 277-0041

*The University of New Mexico is an Equal Opportunity/
Affirmative Action Employer.*



Dean

School of Veterinary Medicine

Applications and nominations are sought for the position of the Gilbert S. Kahn Dean of Veterinary Medicine at the University of Pennsylvania. The School of Veterinary Medicine consists of four academic departments located on two campuses: an urban campus in Philadelphia and a campus in a rural setting. The School is a private veterinary school located in a major medical complex and has a long tradition of collaboration with other professional and graduate schools. The School graduates 110 veterinarians annually and offers clinical training in two teaching hospitals. The School is noted for its competitive basic research and innovative clinical developments.

Candidates should hold a veterinary degree and have a record of 1) scholarship, research and professional leadership in veterinary medicine, 2) experience in educational administration, and 3) experience in resource management and development.

Letters of inquiry, application, and nomination should be accompanied by curriculum vitae. Correspondence may be sent to the following address no later than March 1, 1994:

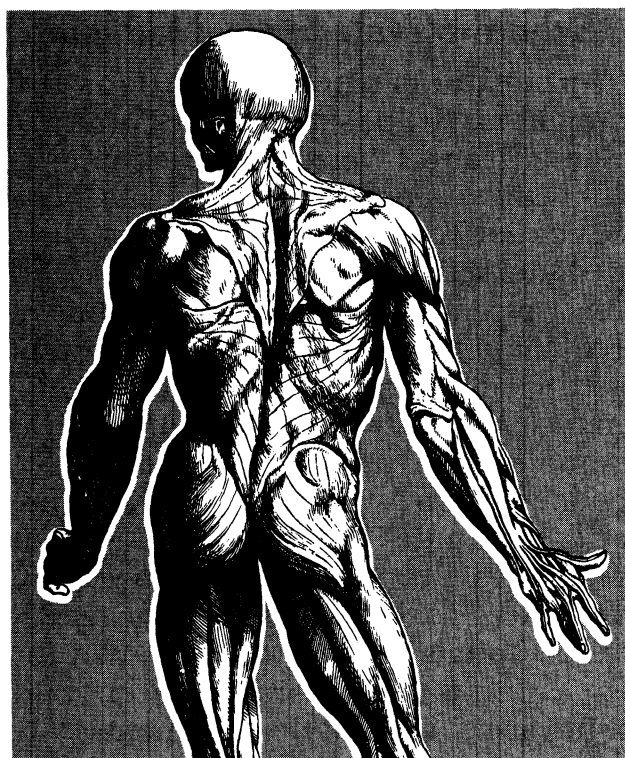


Dr. Kenneth C. Bovée, Chair
School of Veterinary Medicine
Dean Search Committee
c/o Office of the Secretary
121 College Hall
University of Pennsylvania
Philadelphia, PA 19104-6382

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Science magazine and The Human Genome Organization (HUGO) are pleased to sponsor the most comprehensive update on the genome project.

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- **Shirley Tilghman**
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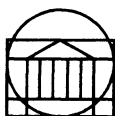
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ASSISTANT PROFESSOR OF RISK ANALYSIS

The Harvard School of Public Health is searching for an assistant professor of risk analysis. The individual will be responsible for teaching and conducting original research in risk assessment, regulatory toxicology and environmental policy. Collaborative research is expected with faculty at the Harvard Center for Risk Analysis. The primary appointment will be in the Department of Health Policy and Management. Although laboratory research will not be expected, it is likely that a joint appointment can be made with either the Department of Molecular and Cellular Toxicology or the Department of Environmental Health. Qualifications for the position include a doctorate in toxicology or a related discipline, a record of interdisciplinary collaboration, demonstrable interest in public policy as reflected in scholarly publications, and evidence of successful teaching in the fields of regulatory toxicology and risk assessment. **Women and minority candidates are particularly encouraged to apply.**

Send curriculum vitae, letter of application, and names and addresses of three references to:

Dr. John S. Evans
Department of Environmental Health
Harvard School of Public Health
665 Huntington Avenue
Boston, MA 02115



Vice President and Provost University of Virginia

The University of Virginia invites nominations and applications for the position of Vice President and Provost, which will be available July 1994.

The University enrolls about 18,000 students, two-thirds of them Virginians; two-thirds, undergraduates; and half, women. Through ten schools, it offers bachelor's degrees in 52 fields and programs, master's degrees in 93, doctorates in 54, education specialist degrees in six, and first professional degrees in two. The University includes a 550-bed teaching hospital. The annual operating budget exceeds \$850 million.

The Vice President and Provost is the University's chief academic officer with broad responsibility for educational matters, including teaching, research, and service. With the exceptions of the deans of medicine and nursing, who report to the Vice President and Provost for Health Sciences, the academic deans work closely with and report to the Vice President and Provost, who is the President's principal advisor on appointments of such officers.

The Vice President and Provost oversees academic policy and practice, and oversees hiring, promotion, tenure, and other non-medical faculty personnel matters. Except for the schools of medicine and nursing, the University's schools receive their internal budgets from the Vice President and Provost, who also directs their planning. She or he performs other duties as assigned by the President.

Minimum qualifications for appointment include eligibility for a tenured academic appointment at senior rank, significant scholarly and administrative accomplishments in a university comparable in scope and program to the University of Virginia, and a record of meaningful contributions to American higher education.

Screening of candidates will begin immediately. Prompt inquiries, applications, and nominations are encouraged. Applications and nominations will be accepted until the appointment is made.

Address correspondence to Secretary, Provost Search Committee, Madison Hall, P.O. Box 9011, University of Virginia, Charlottesville, Virginia 22906-9011.

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

Research Scientist

COR Therapeutics, Inc. is a publicly-held biopharmaceutical company located in South San Francisco. We are focused on the discovery and development of novel therapeutics for the treatment of severe cardiovascular disease. We are currently seeking a Scientist for our Cardiovascular Pharmacology Department.

This position involves the development and use of innovative *in vivo* models to evaluate the efficacy and pharmacological profile of new cardiovascular therapies. Candidates must possess a broad knowledge of *in vivo* pharmacology (preferably cardiovascular) and be technically skilled in the design and execution of complex *in vivo* experimentation. The ability to write project reports and make data presentations is essential. The position also requires a Ph.D. and academic or industry research experience in *in vivo* physiology or pharmacology. A scientific background or work experience in vascular injury, stenosis, thrombosis or coagulation is preferred. Non-Ph.D.s with exceptional capabilities and applicable research experience will also be considered.

COR Therapeutics, Inc. offers competitive salaries and benefits, attractive equity positions and the opportunity to make significant contributions. Please send resume to: COR Therapeutics, Inc., Human Resources, Attn: JOB# R21-93-S, 256 East Grand Ave., South San Francisco, CA 94080. COR is an Equal Opportunity Employer.

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ASSISTANT or ASSOCIATE PROFESSOR, Ph.D.

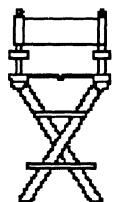
UMDNJ, the University of Medicine and Dentistry of New Jersey, the nation's largest comprehensive health care organization is seeking an Assistant or Associate Professor with interest in colorectal and breast cancer.

The individual will work in the Department of Surgery with an NIH funded clinician-scientist and will be funded from grant support. Expertise in the following areas is required: digital image analysis, electrophysiology, patch clamping, proliferation studies, molecular and cellular biology.

Position is available immediately. Please send CV and copy of ad to: **Joan Williams, Dept. of Surgery, UMDNJ, NJ Medical School, 185 South Orange Ave., MSB G-506, Newark, NJ 07103** UMDNJ is an Affirmative Action/Equal Employment Opportunity Employer, m/f/d/v, and a member of the university health system of New Jersey.

UMD
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Bonus distribution:
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11-12 February, New Jersey

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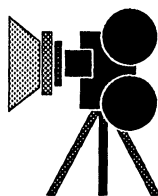
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Interested applicants should send resume and cover letter by **February 15, 1994**, to: **Beatrice Banu, Acting Dean, Eugene Lang College, NEW SCHOOL FOR SOCIAL RESEARCH, 65 West 11th Street, New York, NY 10011.** Affirmative Action/Equal Opportunity Employer.

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Tufts University is an affirmative action/equal opportunity employer. Women and minorities are encouraged to apply.

TUFTS

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Recruitment Office
Desert Research Institute
University and Community
College System of Nevada
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Review of applications begins 1/10/94 and continues until position is filled. The Desert Research Institute is an Affirmative Action/Equal Employment Opportunity Employer.

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The School of Medicine is seeking applicants for full time appointment at the Assistant Professor level. Successful candidates will develop an independent investigative program, participate in the teaching of graduate students, medical students, and housestaff, and contribute to collaborative investigations with other members of the research and clinical faculty. Applicants with demonstrated creativity, research productivity and training in molecular genetics, molecular oncology, biochemistry, virology, or cell biology, and an interest in problems related to human biology are preferred.

Send current CV and names of three references before April 15, 1994 to:

Jon S. Morrow, M.D., Ph.D., Professor and Chairman, Department of Pathology, Yale University, School of Medicine, 310 Cedar Street, New Haven, CT 06510.

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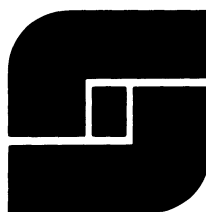
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Health Scientist Administrator (HSA)

GS-601-14/15

The National Institute of General Medical Sciences, National Institutes of Health, Bethesda, MD is seeking a HSA as the Director, Minority Access to Research Careers Program, who will plan and direct a program of research training and fellowship awards to support the development of research capabilities in the biomedical sciences at eligible institutions with the objective of promoting and providing access to careers in biomedical research among minority graduates and faculty members of designated institutions. To carry this out and other responsibilities, the Director develops and maintains a thorough knowledge of colleges and universities with significant enrollments of under represented minorities, and other organizations and their programs in the biomedical sciences.

Applicants must possess specific knowledge, skills and abilities (KSAs) in order to qualify for this position. In addition to the KSAs, there are a number of documents that must be submitted when applying for this position. Applicants who fail to submit all of the required documents will not be considered for the position; therefore, it is crucial that applicants call to obtain this information. For information regarding the qualifications and application requirements, please call the NIGMS Personnel Office on (301) 594-7767. TDD Number (301) 594-8884. Announcement closes February 14, 1994. U.S. Citizenship is required.

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ASSISTANT/ASSOCIATE PROFESSOR - TENURE TRACK

The Department of Physiology at the University of Colorado School of Medicine has available one tenure track position at the Assistant or Associate Professor level. Although applications may be submitted at any time, selection of candidates will begin March 1, 1994.

The Department Faculty have active research programs in developmental neurobiology, ion channel expression, synaptic transmission, sensory transduction, epithelial transport and secretion, and reproductive physiology. The School of Medicine is strongly research-based, with active interdepartmental programs in Cell and Developmental Biology, Immunology, Molecular Biology, and Neuroscience.

Applicants will be considered who have research interests in cellular, molecular or developmental physiology or functional organization of the central nervous system. Successful candidates will be expected to conduct vigorous independent research programs and to participate in professional and graduate teaching. Applicants should send *Curriculum Vitae* and the names of at least three referees to:

Dr. S.R. Levinson
Chair, Faculty Search Committee
Department of Physiology, C240
University of Colorado Medical School
DENVER, CO 80262

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The University of North Carolina at Chapel Hill CAROLINA WORKSHOP COURSES

LIGHT MICROSCOPY FOR THE BIOMEDICAL SCIENCES

March 27-April 2, 1994

An introduction to the basic concepts and practical applications of light microscopy. Students will have opportunities for extensive hands-on experience with state-of-the-art equipment for optical imaging, video recording and digital image processing guided by experienced academic and commercial staff. Lectures and laboratory exercises will include: geometric and wave optics of image formation; microscope alignment; phase contrast, reflection interference contrast, polarization, and differential interference contrast microscopy; fluorescent microscopy and fluorescent probes; video imaging and contrast enhancement by analog and digital image processing; imaging of calcium and other ions in cells; and laser scanning confocal microscopy. Students are encouraged to bring their own specimens for analysis. Tuition is \$950.00.

Deadline: February 18, 1994

Instructors: Edward Salmon, Ph.D., Brian Herman, Ph.D., and John Lemasters, M.D., Ph.D., UNC-CH

cDNA CLONING & EXPRESSION SCREENING

May 8-May 21, 1994

A general DNA techniques workshop focusing on synthesis of cDNA and cloning into lambda vectors. Techniques will include mRNA isolation, Northern transfer and hybridization, cDNA synthesis, adapter facilitated cloning into lambda vectors, subcloning into plasmid vectors, and DNA sequencing. Libraries will be screened with antibodies and DNA probes. Additional techniques to be utilized as time permits will include computer analysis of DNA sequence data. Students may bring their own mRNA preparations for construction of cDNA libraries. Tuition is \$2,150. **Deadline: March 31, 1994.**

Instructors: David Joseph, Ph.D., UNC-CH and Jerry Ware, Ph.D., Scripps Clinic

GENE TARGETING IN ES CELLS AND TRANSGENIC MICE

July 17-July 30, 1994

Students will be introduced to the mouse as a developmental system, and will learn molecular genetic manipulations of this mammal. Specific techniques include embryonic stem cell culture, electroporation and selection, embryo isolation and microinjection, embryo culture and transfer, oviduct and uterine transfer operations, vasectomies, and expression analysis. These tools are the basis for generation and analysis of mutant mice via microinjection and embryonic stem cell manipulation and transfer. We will discuss the uses of these technologies in studies of mammalian development and in generating animal models of disease. A seminar series on the application of gene targeting and transgenics in various research areas will also be given concurrently with the course. Tuition is \$2,500. **Deadline: May 27, 1994**

Instructors: Nobuyo Maeda, Ph.D., John Hagaman, and Kathy Mohr, UNC-CH

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Dr. Wayne Litaker, Facility Director
The University of North Carolina at Chapel Hill
Program in Molecular Biology & Biotechnology
Chapel Hill, North Carolina 27599-7100

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ANNOUNCEMENTS

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NEW ENGLAND BIOLABS MOLECULAR BIOLOGY AND BIOTECHNOLOGY SUMMER WORKSHOPS.

We are pleased to announce the ninth annual summer workshops held at the Clark Science Center, Smith College, Northampton, Massachusetts. This intensive two-week course emphasizes hands-on molecular biology. No previous experience is required. The fee is \$2,700 and includes room and board. Three sessions will be offered; June 5-18, June 26-July 9, and July 17-30, 1994. For further information, see our full-page ad which will appear in the February 4, 1994, issue of *Science*, or call (413) 584-3643.

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A four-day intensive course on mapping human genetic diseases. The concentration is on the entire disease mapping process, including clinical classification, pedigree collection, molecular genetic analysis, statistical analysis, and gene characterization. The emphasis is on the global decision-making process, rather than details of specific techniques. Course faculty consists of geographically diverse, internationally recognized experts in these fields. Participants will be expected to discuss their own research projects.

Date and location:

May 15-18, 1994
Duke University
Durham, North Carolina

Deadline for completed application: March 1, 1994.
For information, contact: **Dr. Margaret Pericak-Vance, Division of Neurology, Box 2900, Duke University Medical Center, Durham, NC 27710;** or via E-mail: genclass@genemaps.mc.duke.edu.

MEETINGS

International Meeting on
Ion Channel Pharmacology
21-23 April 1994: Alicante, Spain.

SPEAKERS: F. J. Alvarez-Leffmans, F. M. Ashcroft, B. P. Bean, E. Carbone, D. Colquhoun, J. P. Changeux, M. L. Garcia, F. Giraldez, O. Hamill, E. Jaimovich, O. Krishtal, J. J. Lambert, R. Latorre, J. Lederer, J. López-Barneo, G. Matthews, T. Narahashi, H. B. Pollard, E. Rojas, B. Rudy, P. Skolnic, J. Tamargo. **Organizers:** Bernat Soria; Valentín Ceña; Abstracts due January 30, 1994. Institute for Neurosciences, University of Alicante, Faculty of Medicine, Campus de Sant Joan, P.O. Box 374, 03080 Alicante (Spain). Telephone: 34 6 5658538; FAX: 34 6 5658539.

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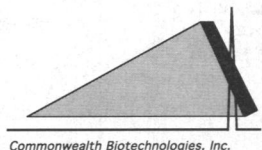
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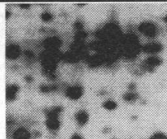
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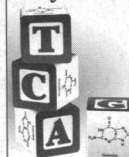
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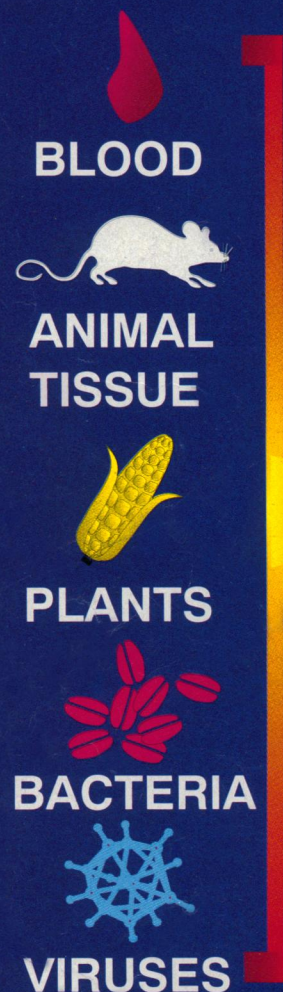
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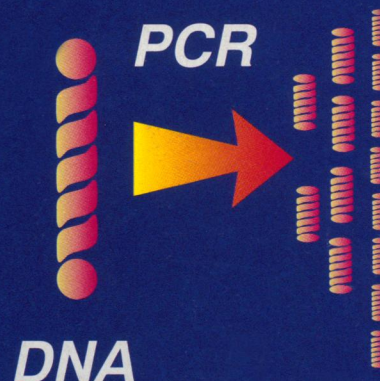
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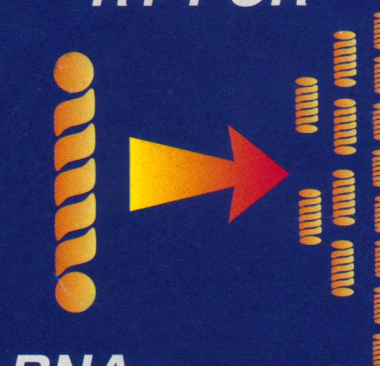


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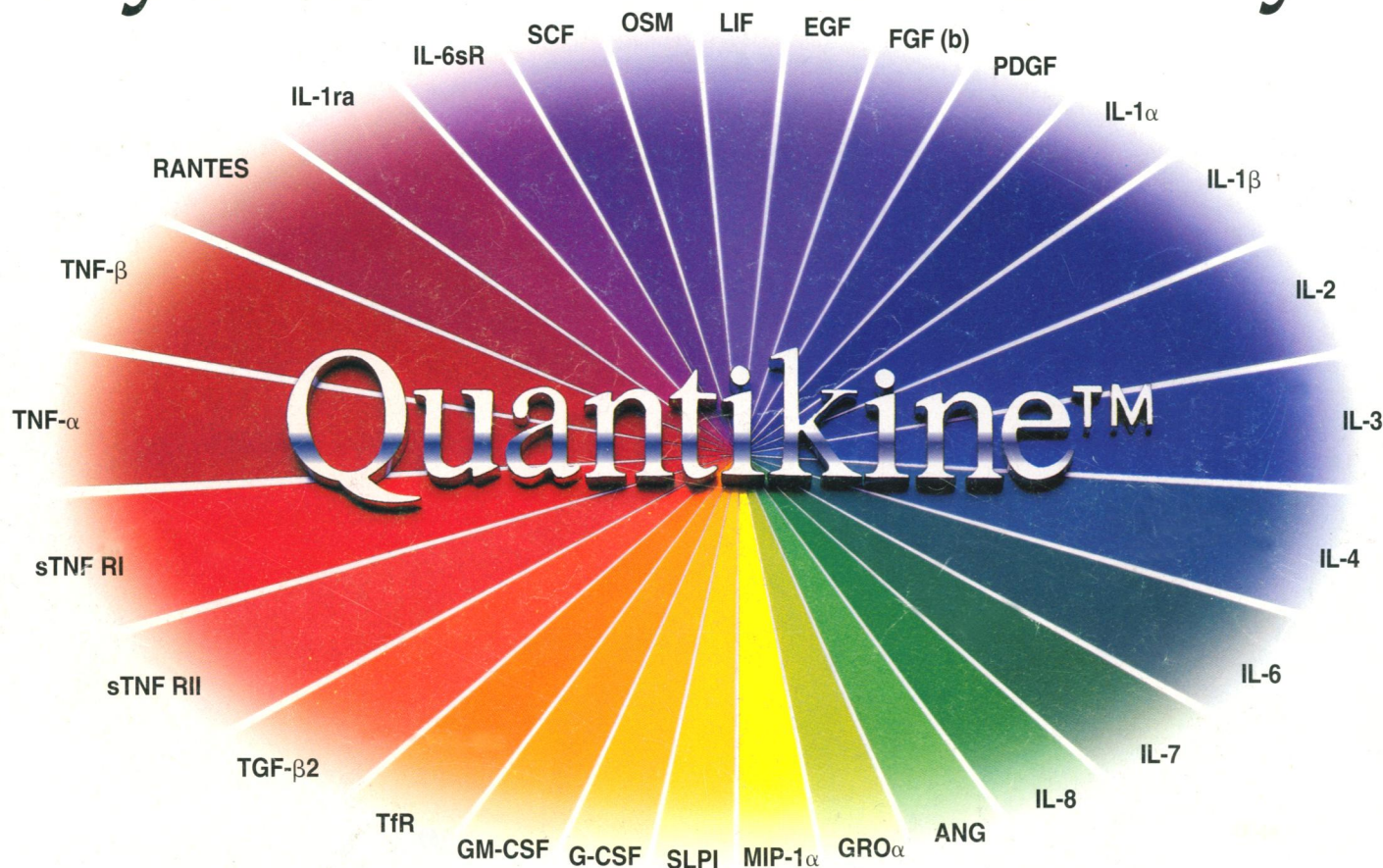
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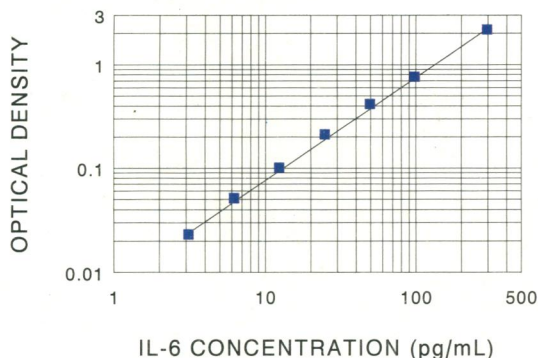
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