A comprehensive calendar is published 4 times a year (January, April, July, and October); new listings appear in other months. The calendar lists open meetings of a biological topic: conferences, symposia, courses, and workshops. To have your event listed, please include the date and year of the meeting, its title and location, and a contact name and address and send the information to Calendar Editor, The FASEB Journal, 9650 Rockville Pike, Bethesda, MD 20814, USA.

1994

2-4 October. Human Genome Project, Washington, DC, USA. (AAAS, 1333 H Street, NW, Washington, DC 20003, USA)

2-8 October. APS Conference: Mechanotransduction and the Regulation of Growth and Differentiation, Sarasota, Florida, USA. (APS Natl. Off., 9650 Rockville Pike, Bethesda, MD 20814-3991, USA)

6-7 October. Pharmacokinetic Analysis: Accelerating Drug Development in Clinical Trials, Washington, DC, USA. (Cambridge Healthtech Inst., 1000 Winter St., Ste. 3700, Waltham, MA 02154, USA)

7-10 October. ASMB Fall Symposium: Genetic & Biochemical Approaches for Studying Cell Death, Lake Tahoe, California, USA. (ASMB Society Offic., 9650 Rockville Pike, Bethesda, MD 20814-3996, USA)

9-14 October. ASMB Fall Symposium: Mechanisms of Regulated Intracellular Protein Degradation, Whistler, British Columbia, Canada. (ASMB Society Offic., 9650 Rockville Pike, Bethesda, MD 20814-3996, USA)

10-11 October. The Fifth Jeffrey Modell Immunodeficiency Disease Symposium: Advances in Primary Immunodeficiency Disease, Paris, France. (Jeffrey Modell Fdn., 43 W. 46th St., New York, NY 10036, USA)

10-12 October. New Strategies for Selective Immune Suppression, Philadelphia, Pennsylvania, USA. (Cambridge Healthtech Inst., 1000 Winter St., Ste. 3700, Waltham, MA 02154, USA)

12-14 October. Inflammatory Cytokine Antagonists: Targets, Strategies & Indications, Philadelphia, Pennsylvania, USA. (Cambridge Healthtech Inst., 1000 Winter St., Ste. 3700, Waltham, MA 02154, USA)

17-18 October. Viral Blood Safety & Screening, Washington, DC, USA. (Cambridge Healthtech Inst., 1000 Winter St., Ste. 3700, Waltham, MA 02154, USA)


20-23 October. Eighth Annual North American Cystic Fibrosis Conference, Orlando, Florida, USA. (Cystic Fibrosis Fdn., 6931 Arlington Rd., Bethesda, MD 20814, USA)

22-26 October. The Role of mRNA Decay and Processing in Biological Systems, North Falmouth, Massachusetts, USA. (American Society for Microbiology; Mgr. Dept., 1325 Massachusetts Ave., NW, Washington, DC 20005-4171, USA)

29 October-2 November. APS Interociety Meeting: Regulation, Integration, Adaptation: A Species Approach, San Diego, California, USA. (APS Natl. Off., 9650 Rockville Pike, Bethesda, MD 20814-3991, USA)

4-6 November. Autonomy1994, Orlando, Florida, USA. (P. Ballinger, Clinical Immunology Society, 6900 Grove Rd., Thorton, NJ 08068, USA)

4-9 November. Molecular Pathogenesis of Infectious Diseases: Mechanisms of Colonization and Invasion of the Intestinal Barrier, Obernai, France. (J. Hendekovic, European Sci. Fndn., 1 quiz Leyzi-Martinez, 60708 Strasbourg Cedex, France)

6-10 November. American Association of Pharmaceutical Scientists-NW Annual Meeting, San Diego, California, USA. (AAPS, 1800 King St., Alexandria, VA 22314-2747, USA)

9 November. The Fourth Annual Irwin M. Arias, M.D. Symposium: Bridging Basic Science and Liver Disease, Boston, Massachusetts, USA. (American Liver Fndn., New England Chapter, 283 Franklin St., Boston, MA 02110, USA)

16-20 November. 8th International Symposium on Immunobiology of Proteins and Peptides, Rio Rico, Arizona, USA. (D. Bode, Universitas Biologicas, Inc., 12200 Wilkins Ave., Rockville, MD 20852, USA)

17-20 November. The 1994 Miami Bio/Technology European Symposium, Advances in Gene Technology: Molecular Biology and Human Genetic Disease, Monte Carlo, Monaco. (Miami Bio/Technology European Symposium, 4 Little Essex St., London WC2R 3LJ, United Kingdom)

6 December. Annual Meeting of the British Association for Parenteral and Enteral Nutrition, Birmingham, United Kingdom. (Society of Conferences, Guntho House, Wadston Rd., Park Farm N., Redditch, Worcestershire B98 7SG, United Kingdom)

10-10 December. Antiviral Resistance: Where are we? Where are we going? Hamilton, Bermuda. (The Macrae Group, 250 E. 79th St., Ste. 8E, New York, NY 10021, USA)

10-14 December. ASCB Annual Meeting, San Francisco, California, USA. (FASEB Offic. of Scientific Mgs. and Conf., 9650 Rockville Pike, Bethesda, MD 20814-3998, USA)

1995


22-24 January. Second International Conference on Dietary Assessment Methods, Boston, Massachusetts, USA. (Conf. on Dietary Assessment Methods, Harvard Sch. of Public Hlth., 677 Huntington Ave., LL-23, Boston, MA 02115-6023, USA)

28-31 January. The Thirty-fourth Midwinter Conference on Immunologists, Pacific Grove, California, USA. (Midwinter Conf. of Immunologists, P. O. Box 57767, Sherman Oaks, CA 91413, USA)


4-9 February. The 1995 Miami Bio/Technology Winter Symposium, Advances in Gene Technology: Protein Engineering and Structural Biology, Ft. Lauderdale, Florida, USA. (Miami Bio/Technology Winter Symposium, P. O. Box 00529, Miami, FL 33301, USA)

7-9 April. Pharmacology '95 at Experimental Biology, '95: APSEF Colloquium: Structure and Function of P-Pirotocpeptidases, Atlanta, Georgia, USA. (FASEB, 9650 Rockville Pike, Bethesda, MD 20814-3995, USA)

9-13 April. Experimental Biology '95, Atlanta, Georgia, USA. (FASEB Offic. of Scientific Mgs. and Conf., 9650 Rockville Pike, Bethesda, MD 20814-3996, USA)


5-12 May. Gordon Research Conference, Catecholamines: From Clome to Clinic, Barga, Italy (I. Creese, Ctr. for Molecular (Behavioral Neuroscience/Rutgers, 197 University Ave., New, NJ 07102, USA)

12-14 May. 6th International Center for Biotechnology Symposium on Cyclosporine Protein-Tyrosine Kinases, Huddinge, Sweden (S. Smith, Ctr. for Biotechnology, Karolinska Inst., NOVUM, S-14157 Huddinge, Sweden)

21-25 May. ASMB Joint Annual Meeting with the Division of Biological Chemistry of the American Chemical Society, San Francisco, California, USA. (FASEB Offic. of Scientific Mgs. and Conf., 9650 Rockville Pike, Bethesda, MD 20814-3998, USA)


16-21 July. 8th International Congress of Mucosal Immunology, San Diego, California, USA. (C. Jones, Professional Confl. Mgmt., Inc., 7956 Convoy St., San Diego, CA 92111, USA)

23-29 July. The 9th International Congress of Immunology, San Francisco, California, USA. (FASEB Offic. of Scientific Mgs. and Conf., 9650 Rockville Pike, Bethesda, MD 20814-3998, USA)

Courses and Workshops

1994

3-6 October. Insect Cell Culture & Recombinant Protein Expression with the Baculovirus Expression Vector System, Rockville, Maryland, USA. (ATCC, 12301 Parklawn Dr., Rockville, MD 20852-1776, USA)

19-21 October. Freezing & Freeze-Drying of Microorganisms, Rockville, Maryland, USA. (ATCC, 12301 Parklawn Dr., Rockville, MD 20852-1776, USA)

27-30 October. ASPIS Course: Concepts in Molecular Biology, Bethesda, Maryland, USA. (ASIP Off., 9650 Rockville Pike, Bethesda, MD 20814-3993, USA)

31 October-4 November. Recombinant DNA: Techniques & Applications, Rockville, Maryland, USA. (ATCC, 12301 Parklawn Dr., Rockville, MD 20852-1776, USA)

1-4 November. Mammalian Cell Culture Methods, University Park, Pennsylvania, USA. (Continuing Ed., The Pennsylvania State U., 410 Keller Conference Ctr., University Park, PA 16802-1304, USA)

7-9 November. The Fifth Workshop on Mouse Liver Tumors, Arlington, Virginia, USA. (ILSI, 1261 Sixteenth St., NW, Washington, DC 20036, USA)

16 November. Laboratory Information Management Systems, Somersett, New Jersey, USA. (American Chemical Society, Dept. of Continuing Ed., 1155 Sixteenth St., NW, Washington, DC 20036, USA)
POSITIONS AVAILABLE — Line advertisement: $25 per line (70 characters), $250 (10 line) minimum. Display advertisement: $400 for ¼ page, 3½ inches x 2½ inches; $700 for ¼ page, 3½ inches x 4½ inches; $1200 for ½ page, 3½ inches x 9½ inches (vertical) or 7½ inches x 4½ inches (horizontal); $2000 for full page, 7½ inches x 9½ inches. (For display ads, add 5% if mechanical not submitted.) Advertisements will appear in next available issue unless otherwise specified. Deadline for receipt of copy is 5th day of month before publication. Payment, purchase or insertion order, written invoicing instructions, or MasterCard or VISA account number with expiration date and signed authorization is required with insertion copy. Advertisements are noncom missionable to agents; no cash discounts are allowed. Blind advertisements are not accepted.

POSITIONS DESIRED — Candidates registered with FASEB Placement Service compose these advertisements. Primary employers desiring identification and additional details concerning advertisers should write, indicating hyphenated number appearing as last element of advertisement; a one-page registration from advertiser(s) will be mailed immediately. Advance telephonic determination of availability of advertisers from back issues is recommended. Employers not currently registered with Placement Service for meeting participation are charged a minimum fee of $50 for identification of up to 10 advertisers, plus $5 for each above 10, payable in advance to FASEB Placement Service.

Correspond to FASEB Placement Service, 9650 Rockville Pike, Bethesda, MD 20814-3998 (301) 530-7020, FAX (301) 530-7001.

POSITIONS AVAILABLE

ASSISTANT PROFESSOR OR ASSISTANT RESEARCH SCIENTIST - NEONATAL MYOCARDIAL BIOLOGY. Applications are invited for a tenure-track or a research-track position in the Thoracic Surgery Research Laboratories, The University of Michigan Medical School, Ann Arbor, MI. A candidate with outstanding research abilities is sought with interest in the physiology, molecular biology or immunobiology of the developing myocardium to interact with clinical and basic science investigators involved in neonatal myocardial biology and infection-specific macromolecular interactions. Excellent institutional programs in surgery, molecular cardiology and medicine provide opportunities for collaborative research. Qualified applicants should send a current curriculum vitae, letter of interest and names and addresses of three references to Edward L. Bove, M.D., Director of Pediatric Cardiovascular Surgery, The University of Michigan Medical School, 1500 East Medical Center Drive, 2120 TC, Box 0344, Ann Arbor, MI 48109. Phone: (313) 936-4980. FAX: (313) 763-7353. The University of Michigan is an equal opportunity employer.

ASSISTANT PROFESSOR/ASSOCIATE PROFESSOR. The Department of Physiology and Cell Biology, University of Texas Medical School, welcomes applications for faculty positions at the assistant and associate professor levels from individuals interested in joining an ongoing, recognized and productive program in gastrointestinal physiology and integrative mucosal biology. The future emphasis of this program will be to apply advances in molecular and cellular biology to the understanding of integrative functions at the tissue and organ levels. We are particularly interested in expanding our expertise in the enteric nervous system and mucosal growth, development and adaptation. Interested individuals should forward their curriculum vitae and bibliography, together with a brief statement of future research goals and the names of three potential references to Dr. Stanley G. Schultz, Professor and Chairman, Department of Physiology and Cell Biology, University of Texas Medical School, P.O.Box 20708, Houston, TX 77225. The deadline for applications is December 15, 1994. The University of Texas is an Equal Opportunity Employer. Women and minorities are encouraged to apply.

Primary employers not finding advertisements that appear to match current or projected needs may request a search of all active candidate files. Telephone a description of desired qualifications; results of search will be discussed telephonically with requesting official, and registrations from candidates declared suitable will be forwarded. Employers not currently registered with Placement Service for meeting participation are charged a minimum fee of $50 for up to 10 identifications, plus $5 for each above 10.

FASEB assumes no obligations as to qualifications of candidates or responsibility of employers, nor shall FASEB obtain further information concerning positions advertised or those seeking employment. Accuracy and completeness of all listings are the responsibility of the submitting party.

U.S. national and state laws prohibit discrimination in employment in the United States because of race, color, religion, national origin, age, sex, or any reason not based on a bona fide occupational qualification. FASEB endorses these principles and reserves the right to edit all copy and to refuse advertisements not in consonance therewith.

Employment outside the United States may be restricted by government visa and other policies. Moreover, it is suggested that the generally accepted employment practices, the cultural conditions, and the exact provisions of the specific positions being considered be investigated thoroughly. U.S. Embassies in countries of interest to potential employees should be able to provide data concerning internal conditions.

The FASEB Journal Vol. 8 September 1994
EMPLOYMENT OPPORTUNITIES

The University of Texas Medical Branch at Galveston (UTMB) invites applications for the position of Vice President of Academic Affairs and Dean of the School of Medicine.

UTMB consists of four schools, two institutes, several research centers, seven hospitals and 117 outpatient clinics. It has the only state-owned multigenerational hospital in Texas. Located on Galveston Island off the coast of Texas, UTMB currently enrolls more than 2,500 students, employs 9,391 faculty and staff members and has awarded almost 19,000 degrees in the health science professions since its founding in 1891.

The University seeks an imaginative and scholarly leader with a proven record in academic administration. The position is directly responsible for the continued academic and research excellence of the Medical Branch, as well as a variety of student/academic support services.

Qualified candidates must possess:

- An understanding of the functions of an academic health science center
- Advanced leadership and management skills, including experience in working with academic department chairpersons, academic peers, and government officials on a state and local level
- Thorough knowledge of curricular needs for graduate and undergraduate programs in medicine, nursing and allied health sciences
- Comprehensive scholarly credentials, including familiarity with research funding practices and technology transfer
- Knowledge of accreditation requirements for medical schools and related academic programs
- Strong financial management skills and familiarity with legislative budget processes

Inquiries and curriculum vitae should be addressed to:
James F. Arens, M.D.
Vice President for Clinical Affairs
361 University Boulevard
Galveston, Texas 77555-0138
Phone (409) 772-1220 Fax (409) 747-1201

UTMB is an equal opportunity/affirmative action university. M/F/V/D.
UTMB hires only individuals authorized to work in the U.S.

The National Institute for Occupational Safety and Health (NIOSH) within the Centers for Disease Control and Prevention (CDC), is seeking applications for the Chief of the Analytical Support Branch (ASB) within the newly created Health Effects Laboratory Division. The purpose of ASB is to provide analytical services to all workplace and laboratory studies performed at NIOSH which are used by NIOSH research and service programs in the development of strategies to identify, prevent, and control workplace hazards and occupational disease. The position supervises a state-of-the-art analytical laboratory staffed with a team of professionals of various specialties which provides a wide range of analytical services for NIOSH programs, such as: agriculture; biotechnology; construction; indoor air quality; infectious diseases, etc. NIOSH research and the resulting recommendations, which are predicated in part upon the laboratory analysis conducted by this Branch, directly influence the health and well-being of workers around the country.

NIOSH is searching for a leader in the field of occupational safety and health who has the ability to plan, direct, and execute the analytical activities and services of the Branch and provide overall guidance to a staff of highly qualified research personnel. The ability to interact with representatives of other Federal, state and local agencies, labor groups, private industry, and academia is required. An MD/Ph.D. is desirable. CDC/NIOSH is an equal opportunity employer and offers a smokefree environment. Please send resumes or requests for additional information regarding this position to the Morgantown Human Resources Office, National Institute for Occupational Safety and Health, 1095 Willowdale Road, Morgantown, West Virginia 26505.

The National Institute for Occupational Safety and Health (NIOSH) within the Centers for Disease Control and Prevention (CDC), is seeking applications for the Chief of the Toxicology and Molecular Biology Research Branch (TMBRBR) within the newly created Health Effects Laboratory Division. The purpose of TMBRBR is the development of new, innovative and molecular programs which examine the toxic effects of workplace exposures/agents on human, animal and cellular systems. This includes the leadership of the following specialized areas: toxicology, including immunotoxicology, neurotoxicology, genetic and reproductive toxicology; microbiology, including bacteriology, mycology, parasitology, and virology; cellular and molecular biology; immunology; and animal and human biology.

NIOSH is searching for a leader in the field of occupational safety and health who has the ability to direct a highly technical scientific research program which develops strategies to identify, prevent, ameliorate, and control occupational diseases. This program has national and international effect in that it deals with occupational hazards found in virtually all facets of employment within the United States and abroad. The ability to interact with representatives of other Federal, state and local agencies, labor groups, private industry, foreign occupational health organizations, and academia is required. An MD/Ph.D. is desirable. CDC/NIOSH is an equal opportunity employer and offers a smokefree environment. Please send resumes or requests for additional information regarding this position to the Morgantown Human Resources Office, NIOSH, 1095 Willowdale Road, Morgantown, West Virginia 26505.
POSITIONS DESIRED

Ph.D., 1971; Cardiovascular biophysics, biochemistry, pharmacology; Ca, Na, K transport systems, antiarrhythmic, antihypertensive CHF drug development, computer-aided drug design, experience in academia (NIH, RCDA, AHA, MDA funding) industry; Avail. Oct 94; Research/administration. 8-4296

M.D., 1987; Ph.D., 1995 (expected); Biochemistry, lipid/protein chemistry, molecular biology; Protein purification, immunoprecipitation, 2-D/SDS-PAGE, hydroxycholesterol/ester chemical synthesis, lipoprotein/liposome preparation, TLC, GLC, HPLC, Southern/Northern blotting; Avail. Mar 95; Postdoc. in academia/industry; F1 visa. 5-4572

Ph.D., 1995 (expected); Biomedical engineering; Finite element modeling, time series analyses of EEG, scientific computation, computer graphics, computer programming in FORTRAN, C/C++/assembly languages, design/development of biomedical devices; Avail. Jul 95; Research/development in academia/industry; Salary negot.; F1 visa. 1-4573

Ph.D., 1994 (expected); Animal science, microbiology, nutrition; Infectious disease electrophoresis, Southern blots, hybridization, gel chromatography, ELISA; Avail. Dec 94; Research/administrative/postdoc. 5-4574

Ph.D., 1992; Biochemistry, molecular biology; Cloning, gene mapping, protein purification, sequencing, Northern/Southern blots, PCR, HPLC, FPLC, TLC, experience with animal/plant tissue culture; Postdoc./research in academia/industry; Salary negot.; Northeast US; PR. 2-4575

Ph.D., 1994, (expected); Immunology; Apoptosis, mouse lymphoma model, flow cytometry staining/instrument operation, tissue culture, proliferation assays, chemotherapy protocols, molecular biology, (PCR, gel electrophoresis); Avail. Jan 95; Research in academia/industry; Salary negot.; SE Michigan. 6-4576

Ph.D., 1994; Pharmaceutical sciences; Protein, cytokines, angiogenesis, protein purification, electrophoresis, cell culture, cytotoxicity assays, endothelial cell research, chick choioallantoic membrane assay, protein-drug conjugation; Avail. Sep 94; Research in academia/industry; Salary negot.; PR. 3-4577

Ph.D., 1994 (expected); Biochemistry; Solid/liquid phase peptide synthesis, synthesis of pseudo-peptide/peptide aldehyde enzyme inhibitors, affinity column synthesis, protein purification, enzyme assays, amino acid sequence analysis, native/SDS gel, 2D-NMR, FT-IR, HPLC, gel filtration/ion exchange chromatography; Avail. Sep 94; Postdoc.; F1 visa. 2-4714

Ph.D., 1992; Genetics, biochemistry; Proteoglycan analysis, cell culture, protein purification, gel electrophoresis, hemopoietic, PCR, RNA extraction, Western/Northern blotting, Ab production; ELISA, immunocytochemistry; Avail. Jan 95; Research in industry/academia; J1 visa. 2-4716

Ph.D., 1994 (expected); Molecular biology; Gene regulation by steroid hormones, transforming growth factor, cDNA/genomic cloning, DNA transfection, Southern/Northern/Western blots, site-directed mutagenesis, sequencing, tissue culture, MAb/PAb techniques, peptide/protein purification, HPLC; Avail. Sep 94; Research academia/industry; PR. 2-4717

Ph.D., 1983; Biochemistry, protein chemistry, enzymology, molecular biology, bioenergetics; Protein purification, electrophoreses, immunoblotting, chromatography, HPLC, DNA cloning, sequencing, mutagenesis, mutant screening, UV-VIS, EPR spectroscopy, fluorometry, free radicals, respiration; Avail. Nov 94; Research in academia/industry; PR. 2-4718

Ph.D., 1995 (expected); Cell biology, immunology; Signal transduction, T cell signalling, cell cycle, protein/protein interactions, kinases/phosphatases, immunoprecipitation, Western blotting, electrophoresis, cell culture; Avail. Jul 95; Postdoc. in academia/industry; Salary negot.; Bay area/Northern California; J1 visa. 6-4719

Ph.D., 1988; Enzymology, cellular/molecular physiology, molecular biology; Cloning, sequencing, protein purification, kinetic/physical characterization of proteins/study of macromolecular interactions, mutagenesis, Southern/Western blotting; Avail. Nov 94; Research/teaching; Salary negot. 2-4720

Ph.D., 1987; Biochemistry, plant/animal enzymology; Protein structure/function, in vitro mutagenesis, cloning, sequencing, protein purification, electrophoresis, Western/Southern/Northern blotting, cell culture, protein expression, molecular biology, RIA, ELISA, immunoassays; Avail. Sep 94; Research/teaching academia/industry; Salary negot.; PR. 2-4721

Ph.D., 1995 (expected); Microbiology, biochemistry, molecular biology; Genetic/biochemical techniques in structure/function studies of ribosome, tRNA/mRNA; Avail. Sep 95; Postdoc. in academia; Salary nego. 2-4723

Ph.D., 1993; Mammal physiology, pathology; Immunocytochemistry, histology, molecular biology, electronmicroscopy, cytokine, receptor, in situ, ELISA, DNA, electrophoresis, PCR, tissue culture, chromosome, tumor biology; Avail. Sep 94; Postdoc. in academia/industry; PR. 1-4747

CHECK PREVIOUS POSITION DESIRED ADS IN FEBRUARY THROUGH AUGUST 1994 ISSUES. CALL PLACEMENT SERVICES TO VERIFY AVAILABILITY OF CANDIDATES.
The Pierce phosphocellulose units provide a quicker, easier, safer alternative to the traditional phosphocellulose disc procedure. In less than 5 min, the units will separate excess [$\gamma$P]ATP from phosphorylated peptide. The bucket design features a phosphocellulose membrane in a spin-column format, eliminating time-consuming wash steps. All reaction components necessary for assays are contained within the units, so sample handling is convenient. The sample buckets within the units allow easy transfer of the phosphorylated peptide to scintillation vials for counting. Only 1 ml of radioactive liquid waste is generated per sample; it is contained in the tube for easy disposal.

Pierce, PO. Box 117, Rockford, IL 61005, USA.

The ISS UV CrossLinker uses UV energy to crosslink nucleic acids to membranes prior to hybridization. Superior sensing circuitry is based on true UV monitoring, not combined sensing of white light and UV wavelengths as in some models. True UV emission is used for crosslinking, which prevents photo-bleaching and photonic acid with common 254 nm crosslinkers. The ISS UV CrossLinker has 6 x 15 watt bulbs, and a 22 cm x 22 cm tray holds the membrane. Integrated Separation Systems, 21 Stratham Rd., Natick, MA 01760, USA.

ALANETM molecular design technology guides the rational design of new nonpeptide compounds, which either mimic or inhibit the actions of peptides. Once an active 3-D structure, or pharmacophore, is derived, Pharmacophore-Directed Parallel SynthesisTM quickly generates banks of organic compounds and enables the creation of therapeutic small molecule non-peptide drugs.

Using this technology, Alanex has created a new class of small molecule drugs based on Neuropeptide Y (NPY), a neurotransmitter that regulates the cardiovascular, immune, and gastrointestinal systems. Alanex has synthesized NPY receptor antagonists, which have produced consistent and sustained lowering of blood pressure in hypertensive animals and significant inhibition of feeding activity in rats. Drugs based on NPY are anticipated to have profound effect on the treatment of diseases stemming from excess NPY release. Alanex, 4180 La Jolla Village Dr., Suite 250, La Jolla, CA 92037, USA.

The Anti-Thymine Dimer mAb represents another way to detect DNA probes in situ hybridization, Southern/northern hybridization, dot blotting, DNA sequencing, chromosome mapping, etc. For this method, the DNA probe is thymine-thymine dimerized under ordinary UV light instead of directly labeled by the usual, time-consuming procedures. After hybridization via standard methods, the TT-dimerized probes are detected by the anti-thymine dimer mAb. Advantages: 1) No separation of labeled probe from unlabeled probe during DNA probe preparation; 2) easy penetration into cells/tissues and easy hybridization with target DNA (the molecular weight of the DNA probe is not increased by labeling); 3) good probe stability (the physical nature of the DNA probe is not changed by labeling). Available unlabeled or HRP-labeled. Kamiya Biomedical Co., PO. Box 6067, Thousand Oaks, CA 91359, USA.

The ALC Model 4232 nonrefrigerated benchtop centrifuge is a general purpose centrifuge for laboratories doing a moderate level of centrifugation. The most popular 026/1 rotor can achieve 3750 rpm generating 2264 x g. The versatile rotor bucket insert system allows centrifugation of tubs ranging from 0.5 ml to 135 ml simply by changing the plastic inserts. For higher speeds, the fixed-angle rotors generate 5300 rpm. The compact model provides control features normally available only on much larger centrifuges, including continuously variable speed control (0 to 6000 rpm), analog speed readout, 0- to 30-min timer with hold position, and dual lid interlock system. Astel Enterprises, Inc., 110-D Industrial Dr., Winchester, VA 22602, USA.

A series of stainless utility water baths, "SUB" series, are unsterilized, digital units with a temperature range to 99°C, and stability of ±0.2°C, using an all-electronic system that effectively reduces power consumption. Lighted indicators show power and heater on. Each unit has an independent, adjustable over-temperature cut-off for increased safety when unattended. The four models (6 to 36 liters) have accessories such as lids, racks, and shelves. The digital system provides accurate, reproducible temperature setting and shows actual bath conditions on an easy-to-read, angled, and recessed control panel. Applications include DNA samples and digests, heat inactivation of sera, enzyme digests and assays, and in-situ hybridization. Science/Electronics, PO. Box 986, Dayton, OH 45401, USA.

The micrographs of spindle microtubules immunolabeled with GAM colloidal gold (left) or NanogoldTM (right) show the significant improvement with Nanogold.

Because of a revolutionary molecular design, Nanogold performance is superior to traditional colloidal gold probes, which are coated with large, bulky proteins for stabilization and use IgG. Nanogold probes use Fab' fragments and do not require coating. They are the smallest gold immunoprobes commercially available, and have been shown to penetrate up to 50 times farther than colloidal gold probes. This translates into immunolocalization with unprecedented visibility and resolution. Whereas colloidal gold probes shed some of their antibodies, which then compete for labeling sites, Nanogold is covalently linked to Fab' fragments. The compound provides advantages critical for optimal immunocytochemistry. Nanoprobes, Inc., 25 East Loop Rd., Suite 124, Stony Brook, NY 11790-3350, USA.
Literature

Routine imaging and 3D measurement of fine surface topography provided by Burleigh's Personal SPM series of AFM, STM and UHV/STM microscopes. Applications are shown for solid sample types such as semiconductors, polymers, metals, ceramics, glass/optics, paper, layers/coatings, fibers and natural materials. This new generation of SPM microscopes combines the high resolution and precision of SPM with simplified operational features that permit productive use by scientists, engineers, and technicians alike. They are designed to allow more people to benefit from the extreme resolution (up to 100 x that of SEM) and 3-dimensional measurement precision of SPM microscopes by making the technology simple to operate and affordable to all. Burleigh Instruments, Inc., Burleigh Park, Fishers, NY 14453, USA.

The Model 590 Dual Channel Optical Platelet Aggregation systems are low-cost, compact units with software and digital outputs for performing platelet function tests in platelet-rich plasma or washed platelets. The units use the same components as the Chrono-log Series 400 Platelet Aggregometers. Specifications for the analog outputs for use with chart recorders and the digital outputs for use with PC compatible computers are given; details on the unique field expansion from two-channel to four-channel systems are included. Chrono-log Corp., 2 West Park Rd., Havertown, PA 19083-4691, USA.

Biotecx catalog includes isolation kits for total RNA (RNAzol B and Ultraspec RNA); mRNA (Expressen and Ontrack); genomic DNA (DNA Multiprep); simultaneous isolation for RNA/DNA (Snap-O-Sol); lambda phage DNA purification; plasmid DNA (Bio-Plaz); hybridization reagents; electrophoresis ready-to-use buffer concentrates, and proteinase K solution and powder. Biotecx Laboratories, Inc., 6025 South Loop East, Houston, TX 77033, USA.

This brochure of liquid handling features a portable Pipet-Aid XP, which has nine-speed combinations for fast, medium, and slow fill or empty operations. The super lightweight Pipet-Aid XP provides substantially better control for a wide range of pipetting applications. Also included in the brochure are HEMATO-CLAD™ Hematocrit Tubes, an exclusive safety innovation that combines the precision of glass with the safety provided by a Mylar® overwrap to help prevent exposure to samples in the case of breakage. Drummond Scientific Co., 500 Parkway, Box 700, Broomall, PA 19008, USA.

Millipore has made available on the Internet its 1994–95 Laboratory and Health Care Products catalog, which can be viewed by accessing the URL menu and typing http://www.millipore.com and then selecting the items of interest. Users can get details on several thousand products encompassing microbiology, lab water purification, and molecular biology. Subject headings and tables of contents guide the computer user to the product descriptions. Millipore Corp., 80 Ashby Rd., PO. Box 9125, Bedford, MA 01730-9125, USA.
ATTEND THE PREMIER EVENT IN THE PHARMACEUTICAL SCIENCES!

AAPS Ninth Annual Meeting and Exposition

November 6-10, 1994 • San Diego Convention Center • San Diego, CA

Keynote Address
Dr. George B. Rathmann

AAPS Plenary Session: New Technologies in Biotechnology

Symposia
- Gene Therapy-Product Development
- Pharmaceutical Outcomes Research: Methodological Issues
- Application of Preformulation and Accelerated Stability to Scientific Formulation Design
- Oligonucleotide Therapeutics: Discovery, Chemistry and Biology
- Absorption Mechanisms Following Parenteral Delivery
- Evolution of Biotechnology Regulations
- Recent Developments in Drug Release Methodology and Testing
- Formulation and Process Challenges with Protein Pharmaceuticals
- Antisense DNA Technology: PK/PD
- In Vitro/In Vivo Correlations: Applications in Product Development and Testing
- Use of Medications in Children: Development, Formulation and Clinical Testing
- PK/PD of Immunotherapeutics
- Advances in Parenteral Technology
- Solids: Mechanical Properties, Characterization, and Applications
- Nonparenteral Delivery of Peptides and Proteins
- Kinetic and Dynamic Challenges of the 90's

Short Courses
Open Sessions
Roundtables

1,682 Contributed Papers presented in Poster and Podium Sessions
Over 300 Exhibits

For more information, contact:

American Association of Pharmaceutical Scientists
1650 King Street, Suite 200
Alexandria, VA 22314-2747
### Host Institutions and Visiting Professors

<table>
<thead>
<tr>
<th>Institution</th>
<th>Professor(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Idaho State University - Pocatello</td>
<td>Caleb E. Finch PhD, Div Neurogerontology</td>
</tr>
<tr>
<td>Johns Hopkins University/Sch Hygiene &amp; Publ Hlth</td>
<td>G.P. Talwar, D.Sc, National Institute of Immunology, INDIA</td>
</tr>
<tr>
<td>Kansas State University Col of Veterinary Med</td>
<td>Keith W. Kelley, PhD, Univ of Illinois, Urbana-Champaign</td>
</tr>
<tr>
<td>Louisiana St Univ Agricul &amp; Mechan Col - Baton Rouge</td>
<td>Joseph G. Gall, PhD, Carnegie Institution of Washington, Maryland</td>
</tr>
<tr>
<td>Louisiana State University Med Ctr - New Orleans</td>
<td>Dennis J. Selkoe MD, Brigham and Women's Hospital</td>
</tr>
<tr>
<td>Marshall University</td>
<td>Louis J. Ignarro PhD, UCLA School of Medicine</td>
</tr>
<tr>
<td>Medical College of Wisconsin</td>
<td>Alan G. Hinnebusch, PhD, National Institutes of Health, MD</td>
</tr>
<tr>
<td>Montana State University, College of Letters &amp; Science</td>
<td>Charles E. Samuel, PhD, University of California, Santa Barbara</td>
</tr>
<tr>
<td>Rush Presbyterian St. Luke's Med Ctr, Rush University</td>
<td>Sir John Robert Vane, PhD, White Angles, Kent, UK</td>
</tr>
<tr>
<td>Saint Jude Children's Research Hospital</td>
<td>Charles A. Janeway, Jr. MD, Howard Hughes Med Inst, Yale School of Medicine</td>
</tr>
<tr>
<td>State University of New Jersey Rutgers, Piscataway</td>
<td>Janet M. Thornton PhD, University College of London, UK</td>
</tr>
<tr>
<td>State University of New Jersey Rutgers, Cook College</td>
<td>Walter Churchill Willett, MD PhD, Harvard School of Public Health</td>
</tr>
<tr>
<td>State University of NY at Buffalo, School of Pharmacy</td>
<td>Robert M. Bell, PhD, Duke University Medical Center</td>
</tr>
<tr>
<td>State University of NY, Hlth Sci Ctr, Col of Grad Studies</td>
<td>Rajesh V. Thakker MRCP, FRCP, Hammersmith Hospital, London, UK</td>
</tr>
<tr>
<td>Tulane University Medical Center</td>
<td>Bruce Sherman McEwen, Ph.D., Rockefeller University</td>
</tr>
<tr>
<td>Universidad Central Del Caribe - Puerto Rico</td>
<td>James L. Madara, MD, Brigham and Women's Hospital</td>
</tr>
<tr>
<td>Universidad de Puerto Rico, San Juan</td>
<td>Maria C. Linder, PhD, California State University, Fullerton</td>
</tr>
<tr>
<td>University of California, Los Angeles</td>
<td>Jack L. Strominger, PhD, Harvard University</td>
</tr>
<tr>
<td>University of California, Santa Barbara</td>
<td>Paul L. Modrich, PhD, Duke University Medical Center</td>
</tr>
<tr>
<td>University of Florida, Gainesville</td>
<td>Stuart Kornfield, MD, Washington University School of Medicine</td>
</tr>
<tr>
<td>Univ of IL Urbana-Champaign, Nutritional Sciences</td>
<td>John Donn Potter, MD, PhD, Univ of Minnesota, Twin Cities Campus</td>
</tr>
<tr>
<td>Univ of Minnesota Dept Veteran Affairs Medical Center</td>
<td>Jose Lopez-Barneo MD, PhD, Medica y Biofisca, Facul de Medicina, Spain</td>
</tr>
<tr>
<td>University of Mississippi Medical Center</td>
<td>Shu Chien, MD, PhD, University of California, San Diego</td>
</tr>
<tr>
<td>University of Nebraska Med Ctr, Lab for Cancer Research</td>
<td>Charles J. Sherr, MD, PhD, St. Jude Children's Research Hospital</td>
</tr>
<tr>
<td>University of Oklahoma Health Sciences Center</td>
<td>Gary Stephen Aston-Jones, PhD, Hahnemann University</td>
</tr>
<tr>
<td>University of Texas Health Science Center at San Antonio</td>
<td>Paul B. Sigler, MD, PhD, Yale University, Howard Hughes Medical Institute</td>
</tr>
<tr>
<td>University of Vermont, College of Medicine</td>
<td>John Todd Isaacs, PhD, Johns Hopkins Oncology Center</td>
</tr>
<tr>
<td>Washington State University, Col of Veterinary Medicine</td>
<td>Wendy C. Brown, PhD, Texas A&amp;M University Col of Veterinary Medicine</td>
</tr>
</tbody>
</table>
WATCH FOR.....

Vascular Biology

A Thematic Issue in The FASEB Journal
July 1995

Coordinator: Thomas S. Edgington

D. Altieri. Xa receptor EPR-1
D. Collen and P. Carmeliet. Gene knockout analysis of fibrinolytic pathways
T. Collins. Transcriptional control of endothelial adhesion molecules
E. Dejana. Endothelial cell to cell junctions regulate leukocyte transendothelial migration
S. Epstein. CMV and p53 in vascular smooth muscle
C. T. Esmon. Thrombomodulin as a model of molecular mechanisms that modulate protease specificity and function at the vessel surface
M. J. Folkman. Angiogenesis
M. A. Gimbrone and N. Resnick. Biomechanical forces regulate an endothelial cell "shear-stress-response element"
T. Maciag. Growth factors and receptors
E. F. Plow. Lipoprotein Lp(a) and thrombolysis
W. Risau. Differentiation of endothelium
D. Strickland. LDL receptor-related protein (LRP): A multiligand receptor for lipoprotein and proteinase catabolism
T. F. Tedder. Vascular adhesion molecules, the selectins

Upcoming in The FASEB Journal

SERIAL REVIEW
PROTEIN KINASES

Coordinated by Jorge E. Allende

Announcing a comprehensive overview of kinases, scheduled to begin serial publication in the fall of 1994.

Contributors include:

J. E. Allende
M. Doree
P. Greengard
T. Hunter
E. G. Krebs
R. J. Lefkowitz
Y. Nishizuka
K. C. Robbins
D. A. Walsh

Upcoming in The FASEB Journal

A SERIAL REVIEW
PROTEIN MOTIFS

Coordinated by G. A. Petsko and R. E. Fenna

Contributors include:

L. J. Banaszak
G. K. Farber
J. S. Fetrow
M. H. Hecht
F. Jurnak
W. Kabsch
A. Klug
R. H. Kretsinger
M. F. Perutz
A. R. Rees
S. Scharpe
S. Sprang
D. Tsernoglou
MISSING SOMETHING?

Check to be sure that you are a current subscriber of
The FASEB Journal
FJ has an impact factor (ISI) of 18.213 for 1992 and ranks #4 out of 157 journals in the biochemistry and molecular biology category.

GET***
• 12 monthly issues (including 2 theme issues)
• Experimental Biology Meeting Abstracts (2 volumes)
• ASBMB/DBC-ACS Meeting Abstracts (1 volume)

Call 1-800-43-FASEB ext. 7027 to order your subscription today!
We know how important it is to get a quick response when you need it.

Speed-A-Lead has been designed to provide our readers with an efficient method of receiving product information FAST!

Listed below are the phone and fax numbers of The FASEB Journal's advertisers. Now, you may call or fax your specific inquiry at the time you need an answer, and avoid the delays associated with the use of a reader service card.

IMPORTANT!
Advertisers help make it possible to provide the quality publication that we maintain. When you call, let them know you saw their ad in The FASEB Journal.

Advertiser: _____________________________________________________________________________
Fax number: _____________________________________________________________________________
The FASEB Journal
Volume: _____ Number: _____
FROM:
Name: ________________________________________________________________________________
Organization: __________________________________________________________________________
Specialty: ______________________________________________________________________________
Information Requested: ____________________________________________________________________

Product description: ______________________________________________________________________

☐ Pricing
☐ Literature
☐ Have Technical Representative call
☐ Would like a demonstration
☐ Other: _______________________________________________________________________________

Contact me via:
☐ FAX ( ) _____________________________________________________________________________
☐ Phone ( ) ____________________________________________________________________________
☐ Mail __________________________________________________________________________________

Photocopy and FAX this form to request advertiser's product information.
Biomedical Research Meeting
and Scientific Exposition

Providing a Unified Approach to Life Sciences Research

April 9-13, 1995
Atlanta, Georgia

Abstracts Due:
December 1, 1994

Themes: Cardiovascular Biology • Cell Injury, Inflammation and Repair • Epithelial Cell Biology • Metabolic Processes in Health and Disease • Neurobiology • Regulation of Growth and Development • Respiratory Biology • Signal Transduction

Telephone: 301-530-7010  Fax: 301-530-7014  Internet: gopher gopher.faseb.org  E-Mail: eb@ns1.faseb.org

REQUEST FOR INFORMATION

If you are NOT a member of a participating society, and want more information, please complete the form below.

Please indicate forms required:

☐ Complete registration & abstract booklet (no placement forms)
☐ Placement Service Information: ___ Candidate ___ Employer
☐ Abstract forms only (Due December 1, 1994)
☐ Advance registration card only (Due February 24, 1995)
☐ Hotel application form only

QUANTITY:

Abstract Receipt Deadline:
December 1, 1994

IMPORTANT:

Circle Society of Membership or Interest:

APS ASPET ASIP
AIN AAI AAA

Please print your name and complete mailing address with ZIP Code in the box provided.

Complete the self-mailer form, stamp, and mail today!