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: meetings, 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 it to Calendar Editor, The FASEB Journal, 9650 Rockville Pike, Bethesda, MD 20814, USA.


16-17 September 1991. Advances in the Treatment of Rheumatoid Arthritis, Philadelphia, Pennsylvania, USA. (G. Scho, IBC USA Conferences, 80 Pleasant St., S. Natick, MA 01760, USA)

23-25 September 1991. Production & Purification of Monoclonals, New Orleans, Louisiana, USA. (G. Scho, IBC USA Conferences, 80 Pleasant St., S. Natick, MA 01760, USA)


7-9 October 1991. 2nd Annual: New Developments in Anticoagulant Therapy, Boston, Massachusetts, USA. (G. Scho, IBC USA Conferences, 80 Pleasant St., S. Natick, MA 01760, USA)

9-11 October 1991. Surfaces in Biomaterials Symposium, Minneapolis, Minnesota, USA. (Ardel, Inc., P.O. Box 678, Algonquin, IL 60102-0678, USA)

13-18 October 1991. Sixth Annual Conference of the International Federation of Science Editors, Woods Hole, Massachusetts, USA. (SASC, Inc., 8000 Westpark Dr., Ste. 130, McLean, VA 22102, USA)

14-16 October 1991. 7th International Symposium of Nephrology on Kidney, Proteins and Drugs, Montecatini, Tuscany, Italy. (C. Bianchi, Unità di Nefrologia Clinica Medica 2, U. Pisa, 56100 Pisa, Italy)


31 October – 2 November 1991. Laboratory Issues in Childhood Lead Poisoning Prevention, Columbus, Maryland, USA. (Association of State & Territorial Public Health Laboratory Directors, 1211 Connecticut Ave., NW, Ste. 508, Washington, DC 20036, USA)

11-14 November 1991. American Heart Association, Anaheim, California, USA. (AHA, Nat’l Ctr., 7320 Greenville Ave., Dallas, TX 75231, USA)


19-24 January 1992. SPIE International Symposium on Laser Spectroscopy, Los Angeles, California, USA. (SPIE, P.O. Box 10, Bellingham, WA 98227, USA)


1-8 February 1992. Keystone Symposia: Melanoma and Biology of the Neural Crest, Taos, New Mexico, USA. (Keystone Symposia, Dept. F, Drawer 1630, Silverthorne, CO 80498, USA)


5-11 March 1992. Keystone Symposia: Antigen Presentation Functions of the MCH, Taos, New Mexico, USA. (Keystone Symposia, Dept. F, Drawer 1630, Silverthorne, CO 80498, USA)

5-9 April 1992. The FASEB Meeting, Anaheim, California, USA. (FASEB Ofc. of Scientific Mgmt., 9650 Rockville Pk., Bethesda, MD 20814, USA)

Courses and Workshops

15-16 August 1991. ATCC Workshop: Fermentation Microbiology, Rockville, Maryland, USA. (ATCC/Workshops, 12301 Parklawn Dr., Rockville, MD 20852, USA)

5-6 September 1991. ATCC Workshop: Microscopy/Photomicrography, Rockville, Maryland, USA. (ATCC/Workshops, 12301 Parklawn Dr., Rockville, MD 20852, USA)

10-13 September 1991. ATCC Workshop: Hybridomas & Monoclonal Antibody Technology, Rockville, Maryland, USA. (ATCC/Workshops, 12301 Parklawn Dr., Rockville, MD 20852, USA)


28-29 October 1991. Biology and Pathology of Acquired Connective Tissue Diseases, Bethesda, Maryland, USA. (J. Joye, National Institute of Arthritis and Musculoskeletal and Skin Diseases, Public Health Service, NIH, Bethesda, MD 20892, USA)


For simple, rapid, sensitive detection of proteins and nucleic acids in gels, Boehringer Mannheim introduces the Silver Stain kit, which is more than 100 times as sensitive as Coomassie Blue. The kits are function tested to detect at least 10ng BSA in just one hour.

Also offered is a line of detergents in solution! Ten non-ionic detergents in solution are available. To protect your protein from harmful oxidation and peroxide contaminants, Boehringer Mannheim extensively purifies its detergents (<1ppm peroxide). The 5×10ml injection bottle packaging prevents waste. Remove amount needed; store the rest.

Boehringer Mannheim

The small animal ventilator is a variable speed/stroke ventilator designed for applications that require precise control over ventilation parameters of animals that range in size from mice to large rats. The instrument supports two ranges of stroke volume using a replaceable cylinder. Four standard cylinder sizes are supported: 5 ml, 10 ml, 30 ml, and 50 ml. Variable stroke ranges from 20 to 200 strokes per minute. The ventilator features continuous adjustment of stroke volume and rate while unit is in operation.

Columbus Instruments

With the patented Hydrophobic filter 25 micron material, the Tipgard aerosol-free beveled pipet tips can repel water and water-based radioactive chemicals. The pipet tips eliminate aerosol effects associated with polymerase chain reaction, radio-isotope labeling, and manipulation of clinical samples. Each tip contains an inert polypropylene filter that removes aerosols and other airborne contaminants without impeding the flow of air displaced during pipeting procedures.

Midwest Scientific

Model XL-1500 with UV crosslinking provides vastly superior results compared to conventional vacuum-oven baking of DNA samples. Unlike vacuum-oven baking, which takes more than 2 hours, the Spectrolinker covalently binds nucleic acids to membranes in less than 30 seconds and enhances sample visibility on autoradiograms by up to 445%.

Spectronics

Human recombinant soluble CD4 (rsCD4) is used in AIDS immunology and receptor binding research. CD4 is the T-cell glycoprotein that acts as a cellular receptor for Human Immunodeficiency Virus (HIV). rsCD4 is a soluble form of the T-cell surface glycoprotein. It will bind the anti-CD4 monoclonal antibodies OKT4 and 19 thy. rsCD4 will also inhibit HIV replication and syncytium formation.

Endogen

A single-axis piezoelectric manipulator for Patch Clamp recording, the PCS-800, is well suited for whole-cell and single-channel recording from neurons. It uses a single piezoelectric actuator for making the final approach of the pipette to the sample preparation. The single piezoelectric actuator provides 70 microns of fine PZT motion, and is mounted on an XYZ stage configuration, with 25mm of manual motion. The PCS-800 provides excellent long-term stability, which allows longer recording time. Features include: adjustable pipette angle, headstage mount, clamp-shell mechanism that facilitates pipette exchange.

Burleigh Instruments
Software

Version 3.5 of IBI's MacVector™ sequence analysis software is the latest upgrade of a package used by scientists at university and corporate research facilities to organize and analyze data about the molecular structure and properties of millions of known and newly discovered proteins, amino acids, and DNA fragments. It uses all standard Mac editing commands plus dozens more unique to the sequence analysis discipline.

International Biotechnologies

Released by Dynatech's Imaging Products Group, the autoradiography software automatically provides fast, accurate measurements of marker distribution and intensity in autoradiograms.

Calibration curves can be constructed using known references, and a polynomial best fit allows the matching of integrated optical density measured on the images with the corresponding molar content. Functions include false color image reconstruction, density thresholding, area measurements, comparison of measurements on areas common to several images, image subtraction and reconstruction, and image recording.

Dynatech Laboratories

Proprep™ 300 pilot-scale chromatography features LC software for optimum protein purification—a unique block structure that allows users to key in each particular stage of an experiment directly into the instrument. The Proprep 300 also offers unattended operation and automatic documentation.

Biotage PEAKSTM opens up new ground to users of MacLab™ data acquisition systems because it permits easy, economical acquisition, display, and analysis of HPLC, GC, and other chromatographic data. Mouse-driven menus provide full control over all commonly used features.

MC-Window©-based user-interactive software for enzyme kinetics allows fully automated spectroscopic data collection and data analysis and is designed to accommodate the widest possible applications of enzyme kinetics studies. Once the user establishes the test parameters, the software will control data collection and work-up, including linear regression analysis and conversion from absorbance changes per unit time to reaction velocity. The user can also select a method for graphical solution of the Michaelis-Menton equation from four widely used transforms: Lineweaver-Burk, Hanes, Woolf or Eadie-Hofstee.

Shimadzu Scientific

Use Speed-A-Lead for a quick response to your questions about New Products (see inside back cover)
A glossy, full-color brochure describing the full line of Nikon microscopes for clinical laboratories describes packages specifically configured for a variety of clinical laboratory tasks and outlines accessories that pathologists, hematologists, cytologists, and other clinical laboratory professionals often need. Designed and priced for the clinical laboratory, Nikon microscope systems feature precision optics, high performance, and versatility.

Nikon

A mini-catalog from Schleicher & Schuell includes an affinity chromatography line on both an agarose and a polymeric support used with automated chromatography systems for higher flow rates and a DNA purification kit designed to isolate both large and small DNA molecules quickly and easily.

Schleicher & Schuell, Inc.

LC VIEWS is an international newsletter that provides liquid chromatography users with timely, useful information on technological and industry trends, advances in LC/MS, data handling and management, and new applications in pharmaceutical, environmental, biotechnology, and other specialized laboratories. Every issue also includes a column on "LC Hints & Tips," a series of literature abstractions, and a new product review.

Perkin Elmer

Bio-Rad’s 1991 Chemical Division catalog includes products for chromatography, HPLC, electrophoresis, immunology, molecular biology, and liquid handling in a reorganized, 350-page, full color publication.

Bio-Rad Laboratories

ATCC recombinant DNA materials 240-page catalog lists cloning vectors; hosts for transformation and transfection (animal cell lines and microorganisms); clones from animal, bacterial, fungal, yeast, plant, viral, and viroid genomes; libraries; and Saccharomyces cerevisiae genomic clone maps; and other useful information. Over 1,350 different recombinant DNA items available from ATCC are listed in the catalogue.

American Type Culture Collection

Promega’s Protocols and Applications Guide is a comprehensive 420-page book detailing protocols and extensive references easy to use at the lab bench. This expanded edition includes up-to-date information on cellular regulation, eukaryotic gene expression, and protein analysis.

Promega

A color brochure describes the new Model 717 Chromatography Data System and Controller. The 717 is a low-cost, entry-level PC workstation for GC or HPLC, which acquires one analog detector signal using a compact, half-length converter card installed in any PC-XT, AT, 80386, or PS/2 computer.

Axion

**Literature**

Isco Catalog 27 features liquid chromatography, capillary electrophoresis (CE), and SFE sample preparation instruments, along with related products and accessories. The 120-page catalog illustrates how SFE sample prep saves time and reduces toxic solvent usage and shows fast, high-resolution separations of nanoliter samples performed with capillary electrophoresis.

Isco, Inc.

The new 91/92 Tekmar Catalog is now available and it features a variety of new products including PTFE labware, temperature recycler, hybridization incubator, and mass flow controllers. Also included are products for sample preparation such as homogenizers, stirrers and shakers, as well as items for liquid handling and instrumentation for purge and trap, air analysis, and static headspace analysis.

Tekmar

Millipore’s 1991-92 475-page catalog includes compact laboratory water systems, total water systems, environmental test kits, sample preparation devices, and chromatography chemical products. This edition introduces 48-hour Federal Express Delivery Service, and includes more than 100 free product-related publications.

Millipore

Janssen Chimica announces its 1,392-page Catalog / Handbook of Fine Chemicals for Research and Industry that contains more than 12,000 listings: organic and inorganic compounds, biochemicals, deuterated compounds, catalysts, stains and dyes, polymers, atomic absorption standards, solvents, and more.

Spectrum

Bio-Trends newsletter is available at no cost to scientists and engineers with an interest in membrane filtration. The spring 1991 issue features “Rapid Microbial Testing,” “Which Type of Membrane Filter Should You Use?”, “Grow Cells With The FilterWell-96,” “Minimize Interfering Spectra With Gold Pre-Coated Membranes,” and “Surface Modifications Of Polycarbonate Membranes.”

Poretics

**NEW PRODUCTS AND LITERATURE**
POSITIONS AVAILABLE — Classified advertisement: $25.00 per line (70 characters), $250.00 (10 line) minimum. Display advertisement: $700.00 for ¼ page, 3½ inches x 4½ inches; $1000.00 for ½ page, 3½ inches x 9½ inches (vertical) or 7½ inches x 4¾ inches (horizontal); $1400.00 for full page, 7½ inches x 9½ inches. (For display ads, add 5% if mechanical not submitted.) Advertisements will be published in next available issue unless otherwise specified. Deadline for receipt of copy is 5th day of month before publication. Payment, purchase order, insertion order, written invoicing instructions, or MasterCard or VISA account number with expiration date and signed authorization is required with insertion copy. Advertisements are noncommissionable to agents; no cash discounts are allowed. Blind advertisements are not accepted.

POSITIONS DESIRED — Candidates registered with FASEB Placement Service are allowed one advertisement of five lines, each containing 70 characters including spaces. The issue in which advertisement appears will be based on date of receipt of copy. Fee for publication in additional issues: $15.00 per issue.

Primary employers desiring identification and additional details concerning Positions Desired advertisers should write to address below, indicating hyphenated number appearing as last element of advertisement; a one-page registration from advertiser(s) will be provided immediately. Advance telephonic determination of availability of advertisers from earlier-than-current issues is recommended. Employers not currently registered with Placement Service for annual meeting participation are charged a minimum fee of $40.00 for identification of up to 10 advertisers, plus $4.00 for each above 10, payable in advance to FASEB Placement Service.

Some registered candidates do not prepare Positions Desired advertisements; some advertisements are published at times not coinciding with employer recruitment activities. 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 annual meeting participation are charged a minimum fee of $40.00 for up to 10 identifications, plus $4.00 for each above 10.

In publishing these advertisements FASEB assumes no obligations as to qualifications of prospective employees 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.

Various U.S. national and state laws against discrimination, including the Federal Civil Rights Act of 1964, 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. The Federation of American Societies for Experimental Biology endorses these principles and reserves the right to edit all copy and to refuse advertisements not in consonance therewith.

Employment in countries other than 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. The U.S. Embassies in countries of interest to potential employees should be able to provide up-to-date data concerning internal conditions.

For a description of operation at annual meeting, see January, February or March issue or contact the Placement Service.

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

**

POSITIONS AVAILABLE

PSYCHIATRY FACULTY/TENURE TRACK. The Department of Psychiatry at the Uniformed Services University of the Health Sciences is seeking to fill a tenure-track research and teaching position (assistant/associate professor, professor). The department is comprised of thirteen full-time faculty and seeks an individual with research interests to complement ongoing neuroscience research in neurobiology of anxiety disorders (including PTSD), psychiatric responses to traumatic events, behavioral pharmacology, neurochemical correlates of drugs and behavior and psychoimmunology. Individuals with active research interests that complement or expand upon these areas are invited to apply. Send CV, a description of current and anticipated research interests and the names of three references to Uniformed Services University of the Health Sciences, ATTN CPO: Joan Ball, 4301 Jones Bridge Road, Bethesda, MD 20814-4799. An equal opportunity employer.

ASSISTANT PROFESSOR. Parasitologist/microscopist to join group studying the fine structure and immunocytochemistry of malarial parasites. Experience with light and immunoelectron microscopy required. Send letter of application, resume and three letters of recommendation to Masamichi Aikawa, M.D., Institute of Pathology, Case Western Reserve University, Cleveland, OH 44106. CWRU is an affirmative action/equal opportunity employer.

PROTEIN CHEMIST. University of California at San Francisco invites applications for an Associate Specialist. We require a protein chemist with at least three years full-time hands-on experience in liquid and automated solid phase peptide synthesis, hydrogen fluoride cleavage and peptide modification. Two years experience with analytical and preparative HPLC is required. Job duties include complete responsibility for all aspects of peptide synthesis, cleavage, modification and purification at the facility, plus part time responsibility for oligonucleotide synthesis. Beginning salary: $38,448. Send application, resume and three letters of reference by August 23, 1991 to Dr. K. M. Ivanetich, Biomolecular Resource Center, UCSF, San Francisco, CA 94143-0541. UCSF is an equal opportunity/affirmative action employer. Women and minorities are encouraged to apply.

POSTDOCTORAL POSITIONS. (1) To study signal transduction mechanisms and their interaction in the autonomic and peptidergic-receptor regulation of exocrine mucous cell secretion using primary cell cultures; (2) To isolate and characterize mucous cell-specific transcripts to be used as tools to develop mucous cell lines and for additional studies of mucous cell differentiation and development. Research experience in cell biology or molecular biology is required. Send CV and names of three references to David J. Culp, Ph.D., Associate Professor of Dental Research and of Biochemistry, University of Rochester Medical Center, Box 611, 601 Elmwood Avenue, Rochester, NY 14642. AA/EEO.
CHAIR

Department of Biological Chemistry

Applications and nominations are invited for the position of Chair, Department of Biological Chemistry, The Pennsylvania State University College of Medicine. The Department has a tradition of excellence in research as well as teaching, and the individual research programs of the faculty are currently well supported by extramural funding. Current research strengths represented in the Department include: molecular genetics, biochemistry of cell surfaces, and protein-nucleic acid interactions. The Department offers courses covering various aspects of biochemistry, genetics, and molecular biology for medical and graduate students. The faculty directs its own departmental graduate program and also participates in three interdepartmental graduate programs and a College of Medicine M.D./Ph.D. program. Unique opportunities are available for departmental growth and development in a rapidly expanding academic medical center.

Candidates should be established investigators with a well-funded active research program, an outstanding record of scholarly contributions, and an active record of participation in appropriate professional organizations. Candidates should also have proven leadership skills and should be experienced in teaching and administration. The successful candidate is expected to provide imaginative leadership for current and future programs and to promote the national and international stature of the Department.

The deadline for application is October 31, 1991.

Applications with curriculum vitae and the names and addresses of three or more references should be addressed to:
Leona S. Jefferson, Ph.D.
and Richard J. Courtney, Ph.D.
Co-Chairs, Biological Chemistry
Search Committee
The Pennsylvania State University
College of Medicine
P.O. Box 850, Drawer FA
Hershey, Pennsylvania 17033

An Affirmative Action/Equal Opportunity Employer
Women and Minorities are Encouraged to Apply.

HASKELL LABORATORY FOR TOXICOLOGY AND INDUSTRIAL MEDICINE
E.I. DU PONT DE NEMOURS & COMPANY, INC.

BIOSTATISTICIAN

Ph.D. or equivalent experience in biostatistics and biology/toxicology familiarity are essential. Experience in computer programming (e.g., VAX, FORTRAN, SAS) is highly desirable. This position involves participation with other staff scientists in a multidisciplinary program of safety and health assessment. Responsibilities include consulting in design and analysis of toxicity studies, validating and developing custom computer programs, and training others in statistical concepts and program use. Research interests in risk-assessment modeling and other areas of applied biostatistics are encouraged.

RESEARCH GENETIC TOXICOLOGIST

Ph.D. and two or more years of advanced postdoctoral training in genetic toxicology or related disciplines are required, as well as experience with modern molecular biology methods and/or cytogenetics. The position will direct studies in genetic toxicology testing and will be expected to initiate and conduct research on problems in cellular and molecular toxicology. The position offers excellent opportunities to collaborate with a professional research staff whose expertise includes toxicological aspects of genetics, developmental biology, neuroscience, immunology, and carcinogenesis.

POSTDOCTORAL POSITION IN NEUROTOXICOLOGY

The position involves multidisciplinary basic research on in vitro models of neurotoxicity. Applicants should have Ph.D. with training in neuroscience, biochemistry or molecular biology. This position is an opportunity for advanced training and mechanistic research in cellular and molecular neurotoxicology. The duration of the appointment is one year, with reappointment at annual intervals by mutual consent for a total duration of three years.

These employment opportunities are located in Newark, Delaware, in modern and well-equipped laboratory facilities. Salary commensurate with experience/qualifications.

Please submit CV and a cover letter to:

Jeanne S. Armstrong
Administrative Services Coordinator
Haskell Laboratory
E. I. du Pont de Nemours & Co.
P.O. Box 50, Elkton Road
Newark, DE 19714

DuPont is an equal opportunity/affirmative action employer.
FACULTY POSITIONS
Molecular Immunology and Virology

The newly reorganized Department of Microbiology and Immunology at Vanderbilt University is continuing to expand its research base in molecular biology of the immune system and in herpes viruses and retroviruses. Tenure-track positions at the assistant professor level are available in the areas of molecular immunology and virology. In exceptional cases faculty positions at the associate professor and professor levels will be considered. Areas of interest include, but are not limited to: 1) molecular programming of immune system; 2) cytotoxic and natural killer lymphocytes; and 3) molecular biology of herpes viruses and retroviruses. The candidates should have experience in applying molecular biology approaches to the problems within the areas specified above. Start-up funds and newly renovated space are available. Faculty members holding PhD and/or MD degrees will have academic appointments in the School of Medicine and in the Graduate School of Vanderbilt University. Send applications with curriculum vitae, present and future research plans, and at least three names of references to:

VANDERBILT UNIVERSITY
SCHOOL OF MEDICINE

Women and minorities are encouraged to apply. Vanderbilt University is an Equal Opportunity Employer. Review of applications will begin immediately and continue until positions are filled.

Jack J. Hawiger, Professor and Chairman
Department of Microbiology and Immunology
Vanderbilt University School of Medicine
Medical Center North A-5321
Nashville, TN 37232
LABORATORY DIRECTOR/VIROLOGIST, BIOLOGICAL SCREENING. A senior level position is available for a virologist working in an exciting start-up R&D environment. This is your opportunity to join an emerging San Francisco Bay Area company which focuses on the discovery and development of antitumor and antiviral therapeutic drugs from botanical sources. The successful candidate will be responsible for implementing an in vitro and in vivo antiviral screening program, conducting virology experiments, and coordinating sample accession with the Chemistry Department. As director of the pharmacology laboratories, you will also be responsible for managing the efforts of the company's drug discovery programs for antifungal and CNS agents. Applicants with prior industrial experience will be given preference. The company is an EOE offering a competitive salary and stock options commensurate with education and experience, plus a comprehensive group health plan. If you have a Ph.D. in virology and are interested in working in this dynamic environment, please send your CV to Personnel Director/LD, Shaman Pharmaceuticals, Inc., 887-G Industrial Road, San Carlos, CA 94070.

ASSISTANT RESEARCH SCIENTIST. The University of California, San Diego, invites applications for an Assistant Research Scientist for studies on the mechanisms of resistance of cancer cells to chemotherapeutic agents, particularly cisplatin. Applicants must have M.D. and a strong clinical background in hematology or medical oncology. Applicants must also have a minimum of two years experience in research relating to cancer and chemotherapy. Research experience must include molecular techniques including Northern blotting, PCR and phosphoprotein analysis, as well as flow cytometry and tissue culture. Applicants must have published evidence of productivity. Salary will be commensurate with level of appointment and based on the published UC salary scale. If noncitizen, state immigration status. Send CV by August 31, 1991 to Stephen B. Howell, M.D., Search Committee, Department of Medicine/8012, University of California, San Diego, La Jolla, CA 92039-0812. UCSD is an equal opportunity/affirmative action employer.

RESEARCH DIRECTOR. Work with the clinical faculty of a medical school in the Department of Manipulative Medicine. Prior experience conducting research with human subjects, grant writing, managing grants and reporting to funding agencies is desired. Expertise in research design evaluation, and statistical analysis, and grantmanship and writing ability are essential to the position. Preference will be given to those who have engaged in collaborative research and/or have prior training in medical clinical research and/or have experience in clinical research and/or have an earned doctorate in a related field. Completion of postdoctoral fellowship desired. The person assuming this position will work with clinical teaching faculty to design and execute research projects which focus on osteopathic principles and practices. Salary negotiable, depending upon experience and demonstrated ability. Contact Jerry L. Dickey, D.O., F.A.A.O., Chairman, Department of Manipulative Medicine, Texas College of Osteopathic Medicine, 3500 Camp Bowie Boulevard, Fort Worth, TX 76107. T.C.O.M. is an equal opportunity/affirmative action employer.

ASSISTANT/ASSOCIATE PROFESSOR. Applications are invited for the position of Assistant/Associate Professor in the Division of Pulmonary Medicine, Children's Hospital of Philadelphia, University of Pennsylvania School of Medicine. Outstanding candidates with research interests in molecular and cellular regulation of contractile protein expression and function are invited to join our existing program on regulation of contraction, receptor gene expression and signal transduction in airway smooth muscle. Eligible candidates with M.D. and/or Ph.D. should submit CV and three letters of reference to Michael M. Grunstein, M.D., Ph.D., Division of Pulmonary Medicine, Children's Hospital of Philadelphia, University of Pennsylvania School of Medicine, 34th Street and Civic Center, Philadelphia, PA 19104. The University of Pennsylvania is an equal opportunity/affirmative action employer.

POSITIONS DESIRED

Ph.D., 1976; Electrophysiology, pharmacology, biochemistry; Patch clamp, microelectrode and sucrose-gap techniques, cell culture, RIA method, teaching experience; Avail. September 1991; Academia or industrial position, research/teaching; Salary negot.; J.I. 1-6545
Please see February through July issues for 589 previous POSITIONS DESIRED advertisements, and call us at (301) 530-7020 to determine availability of advertisers whose qualifications match your needs.

2622 EMPLOYMENT OPPORTUNITIES Vol. 5 July 1991
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.

**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.
60-Day Release Estrogen Pellets and Tamoxifen Pellets
For Tumor Growth and Regression

Most scientists agree that the growth or regression of estrogen-dependent tumor tissue in nude mice depend on three factors:
- The tumor tissue itself
- A healthy and untraumatized nude mouse
- Exogenous estrogen or anti-estrogen ready-to-implant pellets from Innovative Research

We offer researchers the proven 60-day release implantable/removable 17β-Estradiol pellets and Tamoxifen pellets.

Although our catalog offers a wide range of dosages and release times for these products, the most commonly used in nude mice studies are:

<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>MG/PETTLE</th>
<th>CAT. NO.</th>
<th>DIAMETER</th>
<th>RELEASE TIME</th>
<th>BLOOD LEVELS</th>
<th>PRICE/100 PELLETS</th>
</tr>
</thead>
<tbody>
<tr>
<td>17β-ESTRADIOL</td>
<td>0.72</td>
<td>SE-121</td>
<td>3 mm</td>
<td>60-day</td>
<td>200–400 pg/ml</td>
<td>$774.00</td>
</tr>
<tr>
<td>17β-ESTRADIOL</td>
<td>1.7</td>
<td>SE-121</td>
<td>3 mm</td>
<td>60-day</td>
<td>&gt;900 pg/ml</td>
<td>$875.00</td>
</tr>
<tr>
<td>TAMOXIFEN</td>
<td>5</td>
<td>SE-361</td>
<td>3 mm</td>
<td>60-day</td>
<td>3–4 ng/ml</td>
<td>$850.00</td>
</tr>
</tbody>
</table>

These pellets are designed for simple subcutaneous implantation in nude mice with a 10 gauge precision trochar (Cat. No. MP-182).

To order these products, please call, write, or fax or you may also request our catalog which lists several thousand ready-to-implant products.