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.


17-18 December 1992. Carbohydrates, Shapes and Biological Recognition, London, United Kingdom. (A. Dell, Dept. of Biochemistry, Imperial Coll. of Sci. Technology and Medicine, London SW7 2AZ, United Kingdom)

1993

17-22 January 1993. The 1993 Miami Bio/Technology Winter Symposium on Advances in Gene Technology: Protein Engineering and Beyond, Miami, Florida, USA. (U. of Miami, Biochemistry & Molecular Biology, PO. Box 01629, Miami, FL 33101, USA)

1-2 February 1993. Epitope Selection Technologies for Pharmaceutical Design, Palo Alto, California, USA. (J. Larrick, Palo Alto Inst. for Molecular Med., 2462 Wyandotte St., Mountain View, CA 94043, USA)


23-28 March 1993. Seventeenth Fungal Genetics Conference, Asilomar, California, USA. (R. Weiss, Dept. of Chemistry and Biochemistry, UCLA, 405 Hilgard Ave., Los Angeles, CA 90024-1569, USA)


12-15 April 1993. Immunomodulatory and Anti-inflammator Drugs, Orlando, Florida, USA. (NYAS, Conference Dept., 2 E. 63rd St., New York, NY 10021, USA)

18-22 April 1993. International Symposium on the Biology of Adventitious Formation, Dallas, Texas, USA. (E. Franson, Rooting Symposium, USDA For- ety Sci. Lab., Box 896, Rhinelander, WI 54501, USA)


9-12 May 1993. Bioavailability '93, Ettlingen, Germany. (U. Schlemmer, Engenestr. 20, W-7500 Karlruhe, Germany)


21-25 May 1993. AAI Annual Meeting, Denver, Colorado, USA. (AAI Oic. 9650 Rockville Plk., Bethesda, MD 20814-3994, USA)


15-21 August 1993. Seventeenth International Congress of Genetics and the Understanding of Life, Birmingham, United Kingdom. (D. Smith, The U. of Birmingham, Edgbaston, Birmingham B15 2TT, United Kingdom)


23-28 September 1993. 2nd IUBMB Conference Biochemistry of Cell Membranes, Bari, Italy. (Organizing Secretariat, Centro Internazionale Congressi s.r.l., Viale Papa Pio XII, 18, 70125 Bari, Italy)

28-29 October 1993. Advances in the Understanding and Treatment of Multiple Sclerosis, Boston, Massachusetts, USA. (IBC USA Conf. Inc., 8 Pleasant St., Bldg. D, S. Natick, MA 01760-5660, USA)

Courses and Workshops


13-16 October 1992. Hybridomas & Monoclonal Antibody Technology, Rockville, Maryland, USA. (ATCC/Workshops, 12301 Parklawn Dr., Rockville, MD 20852, USA)

19 October 1992. Radiation Safety Seminar, Rockville, Maryland, USA. (ATCC/Workshops, 12301 Parklawn Dr., Rockville, MD 20852, USA)

20-21 October 1992. Capillary Electrophoresis, Freder- ick, Maryland, USA. (M. Fanning, Program Resources, Inc., NCI-Frederick Cancer Rch. & Dev Ctr., PO. Box 8, Frederick, MD 21702-1201, USA)

26-30 October 1992. Recombinant DNA: Techniques & Applications, Rockville, Maryland, USA. (ATCC/Workshops, 12301 Parklawn Dr., Rockville, MD 20852, USA)

29 October-1 November 1992. AAP Course: Concepts in Molecular Biology, Bethesda, Maryland, USA. (AAP Oic. 9650 Rockville Plk., Bethesda, MD 20814-3993, USA)


3-6 November 1992. Polymerase Chain Reaction/Cy- cle DNA Sequencing, Rockville, Maryland, USA. (ATCC/Workshops, 12301 Parklawn Dr., Rockville, MD 20852, USA)


15 December 1992. Introduction to PCR, Gainesville, Florida, USA. (S. Chance, Biotechnology Training Pro- grams, Inc., 301 Main St., Ste, 3, Ames IA 50010, USA)


Reader's Telephone Guide to Publishers

Academic Press, Inc. 800-321-5068
American Chemical Society 800-ACS-5558
Annual Reviews, Inc. 415-493-4400
R. R. Bowker 800-521-8110
CRC Press, Inc. 407-994-0555
Elsevier Science Publishing Co. Inc. 212-889-5800
Harvard University Press 709-346 69 80
Institute of Biological and Medical Chemistry 0-8247-8619-X
Marcel Dekker, Inc. 800-228-1160
Oxford University Press 800-451-7556
Raven Press 212-630-9500
S. Karger Publishers, Inc. (NY) 800-828-5479
Wiley-Liss 212-830-6000
POSITIONS AVAILABLE — Classified advertisement: $25.00 per line (70 characters), $250.00 (10 line) minimum. Display advertisement: $700.00 for ¼ page, 3½ inches × 4½ inches; $1000.00 for ½ page, 3½ inches × 9½ inches (horizontal); $1400.00 for full page, 7½ inches × 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 $50.00 for identification of up to 10 advertisers, plus $5.00 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 $50.00 for up to 10 identifications, plus $5.00 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 meetings, contact the Placement Service.

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

---

**POSITIONS AVAILABLE**

**ASSISTANT/ASSOCIATE PROFESSOR.** The Department of Biomedical Sciences, Southern Illinois University School of Dental Medicine is seeking applicants for a full-time, continuing, tenure-track position at the assistant/associate professor level, Section of Pharmacology. A Ph.D. in pharmacology or combined Ph.D./D.M.D. or D.D.S. is required. The candidate will have the responsibility of teaching pharmacology and therapeutics to dental students and is expected to pursue an active, fundable research program. Position available July 1, 1993. Applications accepted until January 15, 1993, or until position is filled. Send CV with names and addresses of three references to Dean Patrick J. Ferrillo Jr., Southern Illinois University, School of Dental Medicine, 2800 College Avenue, Alton, IL 62002. Affirmative action/equal opportunity employer.

**RESEARCH ASSOCIATE/POSTDOCTORAL RESEARCH FELLOW.** Applicants sought for research program focused on regulation of macrophage gene expression and lipid metabolism. Applicants should have training in molecular biology, along with relevant experience. Stable funding and competitive compensation offered. Reply with CV and three references to Theodore Mazzone, M.D., Rush Medical Center, 1653 W Congress Parkway, Chicago, IL 60612.

**RESEARCH INSTRUCTOR.** Study the cytochrome b complex of chloroplasts in order to investigate the mechanism of electron transfer and proton translocation in the chloroplast membrane. The candidate should have Ph.D. in biochemistry with specialization in plant biochemistry. The candidate should have knowledge in membrane protein purification, protein modification, immunotchniques, fluorescent techniques, protein reconstitution, Western blotting and HPLC. This position will entail experimental research, preparation of scientific papers, supervision of technicians and training of beginning graduate students in their efforts on this project. Candidates should send CV and names of three references to Dr. Diana S. Beattie, Professor and Chair, Department of Biochemistry, West Virginia University School of Medicine, Morgantown, WV 26506. An equal opportunity/affirmative action employer.

**ASSISTANT PROFESSOR OR RESEARCH ASSOCIATE** (depending on qualifications). Available immediately in Dr. Bolli’s laboratory for Ph.D. or M.D. with expertise in cardiovascular physiology or pharmacology. This individual will conduct research on the mechanisms of myocardial ischemia/reperfusion injury in open-chest and conscious dogs and pigs and in isolated rat hearts, focusing particularly on myocardial "stunning," preconditioning, and the role of oxygen radicals. Candidates must have postdoctoral training in research involving myocardial ischemic injury and two years of experience with some of the above animal models. Send CV, a statement of research interests and names of three references to Roberto Bolli, M.D., 6535 Fannin, M.S. F-905, Houston, TX 77030. Equal opportunity/affirmative action employer.
HOWARD HUGHES MEDICAL INSTITUTE

FELLOWSHIPS FOR BIOLOGICAL AND BIOMEDICAL SCIENCES

The Howard Hughes Medical Institute announces the 1993 competitions for fellowship programs that support training in fundamental biological and biomedical research. Awards, based on international competitions, focus on research directed to understanding basic biological processes and disease mechanisms. Fellowships may be held at academic or not-for-profit research institutions.

■ Predoctoral Fellowships in Biological Sciences
Up to five years of support for full-time graduate study toward a Ph.D. degree in biostatistics, cell biology and regulation, epidemiology, genetics, immunology, neuroscience, or structural biology. Applicants must not have completed the first year of postbaccalaureate graduate study in biology. Application deadline: early November.

■ Postdoctoral Research Fellowships for Physicians
An opportunity for physicians to further their training in research. Three years of support for training in fundamental research subsequent to postgraduate clinical training. Application deadline: early January.

■ Research Training Fellowships for Medical Students
An opportunity for medical students in the United States to explore a burgeoning interest in fundamental research. Support is awarded for one year of full-time fundamental research in a laboratory at the student's medical school or another institution (except NIH). Application deadline: early December.

■ Research Scholars at the National Institutes of Health
Under this joint HHMI-NIH program, medical students in the United States spend an intensive year in research in the intramural program at the NIH in Bethesda, Maryland. Residence is provided at the Cloister on the NIH campus. Application deadline: early January.

FOR PROGRAM ANNOUNCEMENTS AND APPLICATIONS

FOR PREDOCTORAL FELLOWSHIPS:
Hughes Fellowship Program
The Fellowship Office
National Research Council
2101 Constitution Avenue, N.W.
Washington, DC 20418
(202) 334-2872

FOR OTHER PROGRAMS:
Howard Hughes Medical Institute
Office of Grants and Special Programs
Department AO93
6701 Rockledge Drive
Bethesda, MD 20817
(301) 571-8412

The Howard Hughes Medical Institute, an Equal Opportunity Employer, welcomes applications from all qualified candidates and encourages women and members of minority groups to apply.
ENZON, Inc.

A rapidly growing biopharmaceutical company, we've developed a core technology that enhances the delivery of protein-based drugs. The first phase of our new expansion — our protein engineering lab — is facilitating the rapid development of further applications of our technology. We offer a fast-paced environment where creativity is valued, and independent thinking, as well as collaboration, is encouraged. In addition to strategic industry and academic affiliations, we offer unparalleled support for your scientific standing.

If you are a highly motivated research professional who's interested in developing new therapies for life threatening diseases, join us:

**RESEARCH ASSOCIATES/SCIENTISTS BS/MS/Ph.D. level**

**Mammalian and Insect Cell Culture**

Working with Molecular Biologists and Protein Chemists, you'll develop and optimize lab-scale cell culture processes, using recombinant and non-recombinant DNA-derived mammalian and insect cell lines; and assist in the scale-up of cell culture-derived products from lab to pilot plant scale. Degree in Cell Biology, Microbiology or Biochemical Engineering, and 2+ years experience operating bioreactors. Dept. MICC.

**Fermentation**

**Downstream Processing**

You will be responsible for downstream processing and scale-up of protein recovery methods for microbial derived or mammalian/insect cell derived recombinant proteins. This position involves responsibility for close interaction with Fermentation, Cell culture groups as well as molecular biologists and protein chemists. The successful candidate will have an MS, Ph.D degree in Biochemistry, Protein Chemistry, or Cell/Molecular Biology with 2-5 years of experience in purification of proteins expressed in prokaryotic or eukaryotic expression systems. Experience in purification of proteins from insect cells would be a plus. Supervision of supporting staff will be required. You must be highly motivated and have the ability to work in an interactive environment. You must be a team player and able to meet deadlines and schedules. Dept. DP

**Analytical and Assay Support**

You will primarily be involved in providing analytical support and assay development support to the fermentation and cell culture group. This position requires that you be proficient with analytical methods including HPLC, SDS PAGE, Isoelectric Focusing, protein assay methods and enzyme assay methods. Experience with immunological methods will be a plus. This position also requires close interaction with molecular biologists and protein chemists. The successful candidate will have a BS/MS degree in Biology, Microbiology or Biochemistry with minimum of 2-5 years of experience using above techniques. You will also provide assistance in protein recovery scale-up efforts from lab scale to pilot plant scale. You must be highly motivated and have ability to work in an interactive environment. You must be a team player and be able to meet deadlines and schedules. Dept. AAS

For a generous compensation and benefits package please send your resume, referencing the appropriate department, to: Corporate Human Resources, Enzon, Inc., 40 Cragwood Road, South Plainfield, NJ 07080. An Equal Opportunity Employer.

EG&G Rocky Flats Plant, Inc., is located between Golden and Boulder, Colorado at the foot of the Rocky Mountains. World-class skiing, fishing, hunting, backpacking and very affordable housing combine to create an enviable Colorado Rocky Mountain lifestyle.

**Making this team is only half the challenge.**

**Colorado living is only half the reward.**

**Health Surveillance Researcher**

This is an excellent opportunity for a self-starter to plan, organize, manage and conduct epidemiological and health surveillance studies/investigations plant-wide. You'll report and publish the results to peers, supervisors and subordinates. Responsibilities also include leading critical investigations and studies and acting for Health and Safety management in discussion for epidemiological/health surveillance studies in a variety of forums. We're looking for an individual with a MD/PhD in epidemiology, public service or toxicology and three to five years of experience in a related biomedical science or health surveillance studies field. Experience in epidemiological investigation/health surveillance studies is required. Your excellent communication skills — including public speaking — are required.

When you make the EG&G Rocky Flats team, you'll receive an exceptional compensation package which includes a host of progressive fringe benefits. If you possess good judgement skills, leadership qualities, team player attributes and a familiarity with PCs and scientific interpretation, explore this opportunity by sending your résumé in confidence to: EG&G Rocky Flats, Inc., Employment Department CB, Building 131, P.O. Box 464, Golden, CO 80402-0464. U.S. citizenship is required. No agencies please. We're an equal opportunity employer.

**One Tough Challenge. One Tough Team.**
CARDIOVASCULAR PHARMACOLOGIST

SmithKline Beecham Pharmaceuticals, a leader in innovative pharmaceutical research, has an opportunity for a Ph.D. Research Scientist to join its Cardiovascular Pharmacology Department. The selected candidate will establish and conduct independent research programs to explore mechanisms of thrombosis, cardiac function and congestive heart failure in relevant biochemical in vitro and in vivo models. The candidate will integrate pharmacologic, physiologic, biochemical and cell biology methodologies to identify new therapeutic strategies for cardiac/thrombotic diseases and publish and present scientific data.

Qualified candidates will have a Ph.D. in Pharmacology, Physiology, Biochemistry or a related discipline, with at least two years of postdoctoral training. A strong record of scientific publications in the field of cardiovascular research is required. Experience in techniques for monitoring hemodynamics and cardiac function is preferred, as is proficiency in cellular and/or biochemical techniques for studying congestive or cardiac function.

SmithKline Beecham Pharmaceuticals offers a stimulating and challenging scientific environment in which to grow and excel. We offer a competitive compensation/benefits/relocation package. For confidential consideration, please submit your CV along with the names of three references to: N. Hunter, Employment Administrator, #H2020f, SmithKline Beecham Pharmaceuticals, P.O. Box 1539, King of Prussia, PA 19406-0939. We are an Equal Opportunity Employer, M/F/H/V.

SmithKline Beecham Pharmaceuticals
Challenging the natural limits.

NATIONAL RESEARCH COUNCIL

Postdoctoral & Senior Research Associateship Awards

Opportunities for research in:
Chemistry
Earth & Atmospheric Sciences
Engineering, Mathematics & Applied Sciences
Life & Medical Sciences & Biotechnology
Space & Planetary Sciences
Physical Sciences

- 350 awards for independent research at 110 laboratories within 30 participating U.S. Government agencies
- 12-month awards renewable for up to 3 years
- Annual stipend for recent Ph.D. or M.D. graduates $27,750 to $44,000 depending upon sponsoring laboratory; stipend appropriately higher for senior researchers
- Support for relocation and professional travel; comprehensive health insurance program offered
- 3 annual award competitions for most participating laboratories

Applications accepted on a continuous basis throughout the year. Those postmarked by January 15 will be reviewed in February; by April 15, in June; and by August 15, in October.

For application materials and information on participating laboratories contact:
Associateship Programs GR 430/FB

POSTDOCTORAL TRAINING PROGRAM/CLINICAL CHEMISTRY. Health Sciences Centre/St. Boniface General Hospital, University of Manitoba. Applications are now being accepted for a position in a three-year postdoctoral training program in clinical chemistry (approved by the Canadian Academy of Clinical Biochemists and the American Association for Clinical Chemistry) to start July 1, 1993. Candidates must have Ph.D. with a good background in either chemistry, biochemistry, pharmacology, immunology or a related discipline, or an M.D. The Departments of Clinical Chemistry provide service, research and teaching for two University Hospitals with a total of 1,750 beds and a School of Medicine. Starting salary will be approximately $30,000. Applications, including CV and three letters of reference, should be sent by November 1, 1992 to Dr. P. Desjardins, Department of Clinical Chemistry, Health Sciences Centre, 820 Sherbrook Street, Winnipeg, Manitoba, Canada R3A 1R9 (204) 787-2843, FAX (204) 787-3846.

EXPERIMENTAL CARDIAC ELECTROPHYSIOLOGY. M.D., Ph.D. biologist or D.V.M. as of October 1, 1992 or later. The Department of Cardiology and Angiology at the Hospital of the University of Münster, Germany, is dealing with fundamental and applied research especially in the field of pharmacological and nonpharmacological treatment of malignant tachyarrhythmias resulting from myocardial infarction. Candidates with expertise in cardiac electrophysiology and cardiovascular pharmacology and appropriate research interests are encouraged to apply. Experience in animal models and mapping studies (using computerized multipolar mapping systems) in chronic myocardial infarction is mandatory. The research group presently is supported by the Deutsche Forschungsgemeinschaft (DFG). An ability to work independently as well as a willingness to communicate and collaborate with the clinical staff is desired. Applicants should speak English, preferably also German. Applicants should submit CV and supporting material to Gunter Breithardt, M.D., Professor of Medicine (Cardiology), Head, Department of Cardiology and Angiology, Hospital of the University of Münster, Albert-Schweitzer-Str. 33, D-4400 Münster, Germany 49 251 8376616, FAX 49 251 82145.

Immunopathology/Analytical Cytometry Supervisor

Supervise a variety of lab procedures relevant to flow cytometry, image analysis and immunopathology laboratories. Valid NY City (055) Supervisor's license, minimum 3-5 years related experience, and a BS degree in Medical Technology or a Basic Science is required.

Position offers an attractive salary and comprehensive benefits package. For consideration, send resume (resumes without salary history/requirements will not be considered) to our Technical Recruiter, PO Box 3999HR, New Hyde Park, NY 11042. An Equal Opportunity Employer.

Long Island Jewish Medical Center
The Long Island Campus for the Albert Einstein College of Medicine
POSITIONS DESIRED

Ph.D., 1992 (expected); Physiology; Smooth muscle, in vitro studies of isometric longitudinal contractions of ileal smooth muscle of rachitic and normal chicks; Avail. October 1992; Staff position/postdoc. in academia/industry; New York city; Salary negot. 1-2277

Ph.D., 1992; Biophysics, cell imaging; Calcium measurement, image processing, electronics design, computer programming; Avail. September 1992; Research in academia/industry; Salary negot. 2-2387

Ph.D., 1985; Physiology, pharmacology, neuroscience; Vascular cell electrophysiology, fluorescence imaging (Ca^{2+}), sympathetic & sensory neurotransmission, peptides, nitric oxide, tissue baths, microvesel force/dimensions, animal surgery, in vivo Doppler hemodynamics; Avail. September 1992; Research/teaching; Salary negot. 1-2606

M.D., 1982; Immunology, autoimmunity, biochemistry; Tissue culture, T cell cloning, T & B cell hybridomas, flow cytometry, cell separation, cytokines, immunohistochemistry, ELISA, RIA, immunoblotting, protein purification, animal models of arthritis, Southerns/Northerns, PCR; Avail. October 1992; Research/teaching; Now in Canada. 6-2769

M.D., 1982; Pharmacology; Pharmacology and physiology in reproductive system, animal surgery, isolated organ bioassay, vasopressor bioassay, ligand-receptor binding assay, RIA, organ culture, drug and metabolite analysis by HPLC-ET, TLC, spectrophotometry, statistics; Avail. July 1993; Research in academia/industry; Salary negot.; H1 visa. 3-2788

M.D., 1984; M.S., 1987; Microbiology, immunology, pulmonary immunology; Immunology in pulmonary fibrosis model, animal surgery, tissue culture, immunohistochemistry, Western/Northern blotting, FACS, statistics; Avail. December 1992; Research in academia/industry; Salary negot.; J1 visa. 6-2819

Ph.D., 1983; Molecular biology, protein/lipoprotein chemistry, immunology; Cloning (Lambda II zap, plasmids), PCR, Northern/Southern/ Western blotting, protein/lipoprotein purification (all forms of chromatography, gel electrophoresis), enzyme kinetics, tissue culture; Avail. October 1992; Academia/industry/government; PR. 2-2969

Ph.D., 1992; Microbiology; Inflammation, protein purification, ELISA, chemotaxis/cytotoxic assays, electrophoresis, tissue culture, Western/Southern/Northern blotting, DNA, RNA, enzyme isolation, purification, restriction analysis, chromatography; Avail. October 1992; Postdoc. in academia/industry; Mid-Atlantic; PR. 6-2974

Ph.D., 1990; Pharmacology, biochemistry; Liposome technology, protein purification, receptor binding studies, electrophoresis, tissue culture, pharmacetics, drug/metabolite analysis by HPLC/TLC, drug toxicities, animal surgery, drug dissolution; Avail. September 1992; Postdoc./ research in academia/industry; PR. 3-2975

Ph.D., 1989; Neuroscience, lipid/protein biochemistry; Metabolism, transport and trafficking of lipids and essential fatty acids, retinal degeneration, corneal wound healing and herpetic disease, neuron development and regeneration, teaching, computer skills; Avail. December 1992; Research/teaching in academia/industry; Salary negot. 2-2976

IN THE MONTHS FEBRUARY THROUGH AUGUST 1992, 557 POSITION DESIRED ADVERTISEMENTS APPEARED IN THE EMPLOYMENT OPPORTUNITIES SECTION OF THE FASEB JOURNAL. APPROXIMATELY 35% OF THOSE ADVERTISERS REMAIN AVAILABLE. EMPLOYERS ARE INVITED TO REVIEW THOSE PREVIOUS ISSUES FOR ADVERTISERS WHOSE CAPABILITIES AND INTERESTS MEET THEIR NEEDS AND TO TELEPHONE THE PLACEMENT SERVICE REGARDING THE CURRENT STATUS OF THE ADVERTISERS.
This section is published as a service to our readers; it is not intended as an endorsement or approval of any product mentioned. To contact a company listed below, use SPEED-A-LEAD on the inside back cover.

Monoclonal anti-fodrin antibody is now available from Accurate Chemical & Scientific Corporation. Fodrin is believed to be involved in stabilizing membrane structures, maintaining cell shape, and linking the cytoskeleton to plasma membranes or intracellular vesicles. Data suggest that fodrin is an important cytoskeletal protein involved in signal transduction during cell activation. This antibody can be used for Western blotting, Elisa, immunoprecipitation, immunocytochemistry, and flow cytometry and can be conjugated to numerous labels such as enzymes, fluorochromes, biotin, or agarose. Accurate Chemical & Scientific Corp., 300 Shames Dr., Westbury, NY 11590, USA.

The LCC-501 Plus, a liquid chromatography controller that forms the control center of automated FPLC® Systems, replaces the LCC-500 and LCC-500 CI controllers. Improvements over these models include more information printouts and continuous collection of data from two monitor signals, e.g., a UV and a pH monitor or two UV monitors. LCC-501 Plus is also supplied with a highly efficient, magnetically stirred 0.6 ml mixing chamber. LCC-501 Plus controls all FPLC System components, including three pumps, a fraction collector, two monitors, a recorder and six motor-driven valves; it also evaluates and prints peak data. The unit stores up to 50 method programs divided among 5 separate banks. Pharmacia Biotech Inc., 800 Centennial Ave., Piscataway, NJ 08854, USA.

The Axopatch 200 has been enhanced with a new version known as the Axopatch 200A. The main enhancement is that the open-circuit is 0.16 pA rms in a 10 kHz bandwidth (8-pole Bessel filter).

The reduced noise enables ionic channel currents to be consistently recorded with less background noise than has even before been reported. Axon Instruments, Inc., 1101 Chess Dr., Foster City, CA 94404, USA.

A new-generation zoom stereo research microscope system, the Olympus SZH-10, has a 10:1 zoom ratio. The magnification range with 1x objective and 10x widefield high eyepoint eyepieces is from 7x to 70x. The wide choice of prime objectives and eyepieces...
provides a total magnification range from 3.5× to 420×. The SZH-10 allows the user to reconfigure the microscope to fulfill virtually any requirement. Accessory system includes photomicrographic attachments, stages, transmitted and reflected light bases, boom stands, dual viewing, and drawing attachments. Catalog available. Olympus Corp., Precision Instrument Division, 4 Nevada Dr., Lake Success, NY 11042-1179, USA.

A low-cost electroporation instrument, the E. coli TransPorator, is dedicated to deliver optimum field strengths and time constants required for the high efficiency transfection of bacteria such as E. coli. It features simple and easy operation, offers maximum transfection results, and is an excellent tool for creating gene libraries and studying gene expression for various proteins. BTX Inc., 1199 Sorrento Valley Rd., San Diego, CA 92121-1334, USA.

The SPEEDLIGHT gel documentation system uses advanced video technology for gel documentation to save you up to $3.00 with every use. Applications include documentation of ethidium stained DNA gels and coomassie stained protein gels. Convenient cabinet design houses a video imaging system, frame integrator, monitor, and thermal printer allowing both bench-top operation (no darkroom needed) and protection from UV irradiation. B/T Sci Tech, 4099 Huerfano Ave., Suite 206, San Diego, CA 92117, USA.

American Type Culture Collection (ATCC) has released a computer diskette version of their culture catalogs, which includes all information in the current printed catalogs of Bacteria & Bacteriophages; Cell Lines and Hybridomas; Filamentous Fungi; Protists (Algae/Protozoa); ATCC Recombinant DNA Materials; ATCC/NIH Repository of Human & Mouse DNA Probes & Libraries; Animal Viruses and Antisera; Plant Viruses and Antisera; and Yeasts.

The diskette catalog has eight sections, which may be purchased individually or in any combination. ATCC Marketing, 12301 Parklawm Dr., Rockville, MD 20852, USA.

PARALLEL PRO for the Macintosh performs an analysis of variance with F-tests for significance of regression, linearity, and parallelism. Dose-response curves can be displayed together or separately using a linear or logarithmic scaled dose axis. Ten different assays can be compared with a maximum of 48 dose levels for each assay and a maximum of 48 replicates at each dose level. Data can be entered manually or imported from DELTA SOFT microplate analysis software. BioMetallc Inc., PO. Box 2251, Princeton, NJ 08543, USA.

CLIX, a state-of-the-art software package, is cognizant of both the chemical and spatial aspects of how well ligands bind to a site of interest on a protein. CLIX paramaterizes designated binding sites then searches a database, extracted from the Cambridge Crystallographic Data Base, for small molecules that exhibit chemical complementarity and geometric fit with the protein surface. The resulting ranked list of possible ligands contains a range of novel molecules with the highest propensity to bind and may suggest what 'type' of compound is required for optimal interaction. Protein Structure Group, CSIRO Division of Biomolecular Engineering, 343 Royal Parade, Parkville 3052, Victoria, Australia.
Wide-Ranging Studies from Plenum

Forthcoming...
THE VULNERABLE BRAIN AND ENVIRONMENTAL RISKS
edited by Robert L. Isaacs and Karl F. Jensen
This timely new series offers an interdisciplinary assessment of the adverse effects of pollutants and toxins on brain function and behavior. Individual volumes feature contributions from both basic and applied neuroscience that focus on the effects of environmental pollution on sensory, motor, and emotional functions, as well as changes in learning, memory, and intellectual capacities.

Volume 1
Malnutrition and Hazard Assessment
Chapters in the inaugural volume detail the effects of malnutrition and general methods of assessment of toxicological damage. The text is divided into sections that address the effects of malnutrition on the development of the brain and behavior, and present various approaches to the study of neurotoxicity and neurotoxic effects on behavior.
0-306-44148-9/approx. 325 pp./ill./1992

Volume 2
Toxins in Food
Contributors to the second volume discuss the specific effects of common toxins, pollutants, and poisons on brain function and behavior. Chapters in the first section delineate the effects of metals, while those in the second section cover important aspects of specific toxicants—including environmental sources of these agents, how they reach the nervous system, patterns of damage, and functional deficits they produce.
0-306-44165-9/approx. 350 pp./ill./1992

ION CHANNELS
Volume 3
edited by Toshio Narahashi
From a review of a previous volume:
"...this continuing, authoritative series. ...keep[s] us abreast of the rapid development of ion channel research, across the full range of current endeavor."
-Trends in Neurosciences
Volume 3 documents newly discovered aspects of ion channels, as well as current progress in the more established biophysical aspects of ion channels.
0-306-44166-7/340 pp. + index/ill./1992/$75.00

ANTICARCINOGENESIS AND RADIATION PROTECTION 2
edited by Oddvar F. Nygaard and Arthur C. Upton
An international panel of researchers present papers on a broad range of investigations into the mechanisms and inhibition of cancer.
0-306-44056-3/proceedings/482 pp./ill./1991/$115.00

PROGRESS IN NEUTRON CAPTURE THERAPY FOR CANCER
edited by Barry J. Allen, Douglas E. Moore, and Baiba V. Harrington
0-306-44104-7/proceedings/700 pp./ill./1992/$129.50
Book prices are 20% higher outside US & Canada.

PLENUM PUBLISHING CORPORATION
233 Spring Street
New York, NY 10013-1578
Telephone orders: 212-620-8000
1-800-221-9369

This is a paid advertisement.
Use Speed-A-Lead on the Inside Back Cover for Fast Information

Literature

A 16-page brochure highlights Shodex PAK analytical and preparative columns for HPLC and features guides for Shodex column selection and applications.
Specifications and chromatograms are provided for detailed column information. Shodex instruments described include the new RI-71 refractive index detector, chemiluminescence detector, eluent degassing modules, pulse dampers and other accessories. JM Science, Inc., 5820 Main St., Buffalo, NY 14221, USA.

Tremetrics’ Model 541 gas chromatograph is featured in a full-color data sheet that details the choice of detectors and injectors available for water analysis, trace gases and EPA priority pollutants. Valving options and accessories for data handling and fully automated system control are also included. Tremetrics Analytical Instruments, 2215 Grand Avenue Pkwy., Austin, TX 78728, USA.

A colorful life sciences wall chart, featuring a drawing of the cell, provides a useful calendar, and lists the trade shows Bio-Rad’s life science group will attend in 1992. Included with the chart is an eight-page full-color brochure highlighting new products free. Bio-Rad Laboratories 2000 Alfred Nobel Dr., Hercules, CA 94547, USA.
We know how important it is to get a quick response when you need it.

**Speed-A-Lead**

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*.

---

**Speed-A-Lead**

*It's FAXable*

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.*
The FASEB Meeting Becomes...

Experimental Biology

March 28 – April 1, 1993   New Orleans, Louisiana

Detailed announcements, with abstract, registration and housing forms will be mailed to members of all the participating Societies listed above. Members of the American Society for Biochemistry and Molecular Biology, the American Association of Immunologists and the American Society for Cell Biology may submit abstracts for the meeting. ASBMB, AAI and ASCB members will not automatically be sent the announcement. Those members who wish to receive details and forms should complete and return the Request for Forms. Nonmembers should also complete and return the Request for Forms.

Detach and mail in envelope addressed to:

FASEB
Office of Scientific Meetings
Room 3200
9650 Rockville Pike
Bethesda, MD 20814-3998
USA

Participating Societies:
The American Physiological Society
American Society for Pharmacology and Experimental Therapeutics
American Association of Pathologists
American Institute of Nutrition and The American Society for Clinical Nutrition
The Biomedical Engineering Society
Society for Experimental Biology and Medicine
International Society for Bioelectricity
North American Society for Biorheology

Request for Forms – Experimental Biology 93
Deadline for receipt of abstracts: Tuesday, November 17, 1992

Please indicate Society affiliation:  
☐ APS  ☐ ASBMB
☐ ASPET  ☐ AAP
☐ AIN/ASCN  ☐ AAI
☐ ASCB  ☐ BMES
☐ SEBM  ☐ ISB
☐ NASB

Please indicate Forms required:  
☐ Abstract booklet containing all forms and instructions
☐ Abstract forms only
☐ Advance registration card only
☐ Hotel application form only

Not included in booklet, unless requested – Placement Service Information:
Candidate ________ or Employer ________

Please print your name and complete mailing address with Zip Code:

NAME

DEPARTMENT

INSTITUTION

ADDRESS

CITY/STATE/ZIP

COUNTRY