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

5-9 April. 20th Annual Meeting Society for Biomaterials, Boston, Massachusetts, USA. (Society for Biomaterials, 658 Walker St., Ste. 215, Minneapolis, MN 55426-4215, USA)

7-8 April. Advances in Prevention & Treatment of Rheumatoid Arthritis, Philadelphia, Pennsylvania, USA. (Cambridge Healthtech Inst., 1000 Winter St., Ste. 3700, Waltham, MA 02154, USA)

11-12 April. Second Annual Conference on Development of Small Molecule Mimetic Drugs, Philadelphia, Pennsylvania, USA. (Cambridge Healthtech Inst., 1000 Winter St., Ste. 3700, Waltham, MA 02154, USA)

23-24 April. Pharmacology’94 at Experimental Biology ’94; APS/TE Symposium: Multiple Phosphodiesterase, Newport Beach, California, USA. (K. Croker, ASPET, 9650 Rockville Pk., Bethesda, MD 20814-3995, USA)

24-28 April. Experimental Biology ’94, Anaheim, California, USA. (FASEB O&F of Scientific Mgs. and Conf., 9650 Rockville Pk., Bethesda, MD 20814-3995, USA)

28-29 April. Modulation of Signal Transduction & Gene Expression, Washington, D.C., USA. (Cambridge Healthtech Inst., 1000 Winter St., Ste. 3700, Waltham, MA 02154, USA)

8-13 May. HPLC ’94, Minneapolis, Minnesota, USA. (J. Cunningham, Barr Enterprises, PO. Box 279, Walkersville, MD 21793, USA)

14-19 May. 6th International Conference on Human Retrovirology: HTLV, Abeccon, New Jersey, USA. (Travel Destinations Management Group, Inc., 110 Painters Mill Rd., Ste. 36, Owings Mills, MD 21117, USA)


21-22 May. ASMB/ISSX Joint Symposium ’94: The Cytocromes P450 Structure, Function, Regulation, and Genetics, Washington, D.C., USA. (ISSX O&F, P.O. Box 3, Cabin John MD 20818, USA)


25-28 May. Functional Diversity of Interacting Receptors, Washington, D.C., USA. (G. Busacca, NVAS, 2 E. 63rd St., New York, NY 10021, USA)


6-11 July. Reactivity in Organized Microstructures: New Materials, Mont Sainte Odile, France. (J. Hendekovic, European Science Fdn., 1 quai Lezay-Marnésia, 67080 Strasbourg Cedex, France)


31 July-5 August. FASEB Summer Conferences: Folic Acid, Vitamin B12, & Ovo Carbon Metabolism, Copper Mountain, Colorado, USA. (FASEB Summer Ranch O&F, 9650 Rockville Pk., Bethesda, MD 20814-3995, USA)

7-14 August. FASEB Summer Conference: Cellular & Molecular Mechanisms of Liver Growth Regulation, Copper Mountain, Colorado, USA. (FASEB Summer Ranch O&F, 9650 Rockville Pk., Bethesda, MD 20814-3995, USA)

11-16 August. Supramolecular Chemistry: Molecular Recognition from Biology to Materials, Mainz, Germany. (J. Hendekovic, European Science Fdn., 1 quai Lezay-Marnésia, 67080 Strasbourg Cedex, France)

13-18 August. FASEB Summer Conference: Transcriptional Regulation During Cell Growth, Differentiation and Development, Santa Cruz, California, USA. (FASEB Summer Ranch O&F, 9650 Rockville Pk., Bethesda, MD 20814-3995, USA)

14-19 August. FASEB Summer Conference: Molecular Genetic Basis of Cell & Tissue Structure & Function, Copper Mountain, Colorado, USA. (FASEB Summer Ranch O&F, 9650 Rockville Pk., Bethesda, MD 20814-3995, USA)

20-23 August. Fatty Acid Metabolism in Liver and Adipose Tissues, Aspen, Colorado, USA. (S. Taylor, Conf. Coordinator, 4200 E. 9th Ave., Box 8145, Denver, CO 80262, USA)

23-25 September. American Association of Neuropathologists in association with the XII International Congress of Neuropathology, Toronto, Canada. (J. Gilbert, Dept. of Pathology, Victoria Hospital, 375 South St., London, Ontario, N6A 5G5, Canada)


22-25 September. Symposium on Intracellular Signaling from Ras to Genes, Ames, Iowa, USA. (Growth Factor Conf., MCDI/ISU Symposium, 3208 Molecular Biology Bldg., Ames, IA 50011, USA)

5-8 October. APS Conference: Mechanotransduction and the Regulation of Growth and Differentiation, Sarasota, Florida, USA. (APS Natl. O&F, 9650 Rockville Pk., Bethesda, MD 20814-3991, USA)

9-13 October. 4th Congress of the International Society of Ocular Toxicology, Annecy, France. (Secretary ISOT ’94, c/o U. Ernst, Abt. Exp. Ophthalmologie, Sigmund-Freud-Str. 25, D-53305 Bonn, Germany)

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

Courses and Workshops

10-17 April. Lymphocyte Activation, Keystone, Colorado, USA. (Keystone Symposium, Drawer 1630, Silverthorne, CO 80498, USA)

11 April. Introduction to PCR, West Haven, Connecticut, USA. (S. Chance, Biotechnology Training Prog., Inc. 8 Bennett Way #23, Newmarket, NH 03857-2370, USA)

11-17 April. Molecular Biology of Muscle Development, Snowbird, Utah, USA. (Keystone Symposium, Drawer 1630, Silverthorne, CO 80498, USA)

12-13 April. Basic Cloning & Hybridisation Technique, West Haven, Connecticut, USA. (S. Chance, Biotechnology Training Prog., 8 Bennett Way #23, Newmarket, NJ 03857-2370, USA)

24-28 April. Pharmacology’94 at Experimental Biology ’94; Genetic Manipulation in Pharmacology: Therapeutic Implications for Human Gene Therapy, Anaheim, California, USA. (K. Croker, ASPET, 9650 Rockville Pk., Bethesda, MD 20814-3995, USA)

3-6 May. Biotechnology Applications in Space, University Park, Pennsylvania, USA. (Continuing Ed., The Pennsylvania State U., 410 Keller Conf. Ctr., University Park, PA 16802-1304 USA)

17-20 May. Mammalian Cell Culture Methods, University Park, Pennsylvania, USA. (Continuing Ed., The Pennsylvania State U., 410 Keller Conf. Ctr., University Park, PA 16802-1304 USA)

14-26 August. NATO Advanced Study Institute: Molecular Mechanisms of Transcellular Signaling: From the Membrane to the Gene, Spetsai, Greece. (K. Wirtz, Ctr. for Biomembranes and Lipid Enzymology, U. of Utrecht, P.O. Box 80.054, NL-3800 TB Utrecht, The Netherlands)


28 August-10 September. A World of RNAs: Structure and Function, Island of Spetsal, Greece. (The Spetsal Summer Sch. Secretary, Inst. de Biologie Physico-Chimique, 15, rue Pierre et Marie Curie, 75005 Paris, France)

27-30 October. ASIP Course: Concepts in Molecular Biology, Bethesda, Maryland, USA. (ASIP O&F, 9650 Rockville Pk., Bethesda, MD 20814-3993, USA)


POSITIONS AVAILABLE — Line advertisement: $25 per line (70 characters), $250 (10 line) minimum. Display advertisement: $400 for 1/4 page, 3 1/2 inches x 2 1/8 inches; $700 for 1/2 page, 3 1/2 inches x 4 inches; $1200 for 3/4 page, 3 1/2 inches x 5 1/2 inches (vertical) or 7 1/2 inches x 4 inches (horizontal); $2000 for full page, 7 1/2 inches x 9 1/2 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 order 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 noncommissionable 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.

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.

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

THE UNIVERSITY OF TEXAS AT AUSTIN
Endowed position in Nutrition and Molecular Biology

The Division of Nutritional Sciences invites applications for an endowed position in Molecular Nutrition. Candidates should have a record of scientific excellence in molecular nutrition and leadership commensurate with an endowed academic appointment. This is a 9 month tenured academic appointment and the holder of the endowed position will hold a joint appointment in the Department of Human Ecology and the Department of Molecular Biology.

The Division of Nutritional Sciences offers programs leading to the B.S., M.A. and Ph.D. in Nutritional Sciences. The Division, with approximately 150 undergraduate and 50 graduate majors is located within the College of Natural Sciences. The University of Texas at Austin is the oldest and largest of the University of Texas System's 13 component institutions. It has a main campus of 357 acres and 110 buildings, 48,500 students, 2,300 faculty members and a staff of more than 10,000. Austin is located on the Colorado River at the eastern edge of the beautiful Texas Hill Country, and boasts a pleasant, mild climate, a diverse culture, and an economy based on state government, The University, and a number of high technology industries.

Applications will be accepted until April 15, 1994. After that date the search committee may request and consider credentials from candidates nominated by responsible sources. Candidates should submit curriculum vitae, description of current and future research plans, and names of three references to: Dr. Mary Locniskar, Chairman Search Committee Division of Nutritional Sciences Department of Human Ecology 22700 The University of Texas, Austin, Texas, 78712-1097

The University of Texas at Austin is an affirmative action, equal opportunity employer.
ASSISTANT PROFESSOR - GROSS ANATOMY. Applications are being accepted for a tenure-track gross anatomy position at the assistant professor level in the Department of Anatomy, College of Medicine, University of South Florida, Tampa, Florida. Earliest starting date for this position is July 1, 1994. Individuals should have a proven record of research and publication, with a demonstrated ability or a potential to attract extramural funding. Candidates are required to hold a Ph.D. in anatomy or cell biology, or a combination of Ph.D./M.D. Postdoctoral experience and prior teaching in a medical school gross anatomy course are mandatory requirements. Preference will be given applicants with research interest and experience in cell and molecular biology applied to areas of neurocience, reproductive or cardiovascular systems. Teaching responsibility involves participation in a one-term dissection-based gross anatomy course for medical students and graduate level courses related to their specialty. The College of Medicine, University of South Florida, is a 23-year old medical school with a class of 96 freshmen students. The medical curriculum is traditional, but changes to a more contemporary curriculum are contemplated within the next couple of years. Applicants should forward curriculum vitae, statement of research interests, and names of three references by May 1, 1994 to Don R. Hillbelink, Ph.D., Chairman of Search Committee, Department of Anatomy, College of Medicine, University of South Florida, 12901 Bruce B. Downs Boulevard, MDC Box 6, Tampa, FL 33612-4799. The University of South Florida is an Equal Opportunity/Affirmative Action/Equal Access Employer.

ASSISTANT RESEARCH PHYSIOLOGIST. The Department of Surgery, University of California, San Francisco is recruiting for an individual at the level of assistant research physiologist to join a group examining neuropeptides, their receptors, and peptide processing enzymes in neurotransmission of the gut. Experience in varied molecular techniques, signal transduction, FACS analysis, confocal and electron microscopy and study of neuropeptide receptors required. The successful candidate will have a Ph.D. degree and have a publication record in the required areas. Send curriculum vitae to Nigel W. Bunnett, Ph.D., University of California, San Francisco, 521 Parnassus, Room C-317, San Francisco, CA 94143-0660. Application deadline is April 10, 1994. The University of California, San Francisco is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

DEPARTMENT HEAD - PHARMACOLOGY. The University of Illinois at Chicago College of Medicine invites applications and nominations for the position of Head of its Department of Pharmacology. The Department of Pharmacology is one of six basic science departments within the College. It has 16 full-time faculty members, a well established and active graduate program, participates in the education of medical students and in the combined M.D./Ph.D. program. The College of Medicine is part of Chicago’s Westside Medical Center District, which is well-known for its large concentration of public and private health care and research facilities. UIC is located just west of the Chicago Loop area and is an established multicultural and ethnically diverse University. Candidates for this position should have a Ph.D. and/or M.D. degree, a distinguished record of scholarly activity, a nationally recognized research program within the broadly defined area of pharmacological science, and the ability to administer a comprehensive academic program. Interested individuals should submit a letter of application, curriculum vitae which includes a summary of their research program and three references to Philip Matsumura, Ph.D., Chair, Search Committee, Professor and Head, Department of Microbiology/Immunology (MC 790), 901 South Wolcott, Chicago, IL 60612-7344. University of Illinois at Chicago is an Affirmative Action/Equal Opportunity Employer. Women and minorities are encouraged to apply.

POSTDOCTORAL. Biochemistry and pathogenesis of E. coli. Examine interactions between bacterial adherence factors and host cell receptors. Involves binding assays, purification and characterization of intestinal cell membrane glycoproteins. Techniques: cell culture, chromatography, SDS-PAGE, IEF, AAA, protein sequencing, mass spectrometry, carbohydrate characterization, and immunochemo techniques. Goal: to understand molecular interactions between adherence proteins on pathogenic E. coli and host cell glycoconjugates. May develop therapeutics to interrupt binding. Earliest start: August, 1994; Contact Dr. Fred Cassets, Walter Reed Army Institute of Research, Washington, DC 20307. 202-576-0557.

CARDIOVASCULAR PHYSIOLOGIST/SURGEON. Harvard Medical School, Division of Cardiovascular Medicine, invites applications for a cardiovascular physiologist/surgeon with experience in chronic animal surgery. Postdoctoral or junior faculty level. D.V.M. or M.D. degree required. We are looking for this individual to perform chronic animal surgeries for a multidisciplinary team examining cardiovascular control mechanisms in myocardial hypertrophy, heart failure, and ischemia, and to conduct physiological studies, which will be coordinated with studies at the cellular/molecular level. Candidates should send curriculum vitae to Dr. Stephen F. Vatner, Professor of Medicine, Harvard Medical School, NERPRC, 1 Pine Hill Drive, Southboro, MA 01772. Women and members of minority groups are encouraged to apply. Affirmative Action/Equal Opportunity Employer.

POSITIONS DESIRED

Ph.D., 1985; Zoology, pathobiocotoxicology inhalation, pulmonary physiology; Chemiluminescence, electrophoresis, monokines, cytokines, enzyme biochemistry/histochemistry, cell purification/identification, free radical tissue injury, cell culture, cytotoxicity assay; Avail. Mar 94; Research in academia/industry; Salary negot.; J1 visa. 1-4001

Ph.D., 1992; Physiology, pharmacology; Central cholinergic modulation of cardiovascular responses in rat, rabbit, cat, electrophysiology, central injection of drugs in conscious/anesthetized animals, EEG, recording sympathetic nerve, histology, toxicology, animal surgery, RIA; Avail. Jun 94; Research in academia/industry; Salary negot.; J1 visa. 1-4025

Ph.D., 1995 (expected); Physiology; In vivo/in vitro of animal model of muscular dystrophy, contractile properties measurements, fine dissection, whole body plathyomography, lean body mass determination, Western blotting with chemiluminescence, oxygen consumption measurements; Avail. Feb 95; Postdoc. in academia; PR. 1-4026

Ph.D., 1991; Respiratory physiology, biomedical engineering, high altitude physiology; Whole nerve recordings in hypoxic animal model, extracellular recordings (hypothalamic) in animal model, perfusion studies in vitro lung model, hemorrhagic shock studies, animal surgery; Avail. Jul 94; Research/search/postdoc. in academia/industry; NH. 1-4027

Ph.D., 1994 (expected); Physiology, exercise physiology; Role of pheremone/vagal afferents in the control of respiration, extracellular recording, in vitro recording, small animal surgery, exercise/pulmonary testing, statistics, computers; Avail. Aug 94; Postdoc. academia/industry. 1-4028

Ph.D., 1991; Physiology, neuroscience, biomedical engineering; Patch clamp, microelectrode, dissociation of single cardiac/smooth muscle cells, pharmacology of ion channels, oocytes, tissue culture, cardiac hypertrophy, skinned muscle fibers, muscle tension, Ca2+ sensitive dyes; Avail. Jul 94; Research in industry/academia; Salary negot.; PR. 1-4029

Ph.D., 1994 (expected); Biochemistry, molecular biology; Protein/carbohydrate purification/characterization, HPLC, affinity/conventional gravity chromatography, Western blotting, immunoprecipitation, ELISA, FACS analysis, metabolic radiolabeling; Avail. Jun 94; Research in academia/industry, San Francisco, Washington, DC. 2-4030

Ph.D., 1989; Biochemistry, molecular biology, protein chemistry, immunology; Protein purification, HPLC, protein sequence/structure assay, GC, electrophoresis, IEF, Western/Southern/Northern blotting, ELISA, RT-PCR, DNA sequence/mutagenesis, tissue culture, expression cloned gene, animal surgery; Avail. Jun 94; Research in industry/academia; PR. 2-4031

Ph.D., 1994 (expected); Experimental pathology, vascular research; Endothelial cell culture, cytoskeleton staining, immunofluorescence, immunohistochemistry, electrophoresis, chemiluminescence, Western blotting, ELISA, heparin column, BrDU incorporation; Avail. Sep 94; Postdoc. in academia/industry; Salary negot.; J1 visa. 4-4032

Ph.D., 1989; Animal/human nutrition; Folates, Ca, Zn, Mo, Se, vitamins A, D, E, rat/poultry/human studies, HPLC, affinity chromatography, compartmental modeling with CONSAM, teaching experience; Avail. Jun 94; Research/teaching; Salary negot. 5-4033
EMPLOYMENT OPPORTUNITIES

Ph.D., 1994 (expected); Nutrition, metabolism; Dietary chromium effects on body composition/metabolism, insulin binding, metabolite/nutrient analysis, UV-VIS, atomic absorption, amino acid analysis, RIA, statistics, taught animal nutrition, swine production, laboratory techniques; Avail. Dec 94; Research/teaching in industry/academia; Salary negot. 5-4034

Ph.D., 1994 (expected); Molecular/cellular immunology; Functional analysis, flow cytometry, MAb production, in vivo, in situ, in vitro analysis, ligand binding, protein purification, RNA, DNA, cloning, sequencing, PCR; Avail. Jul 94; Postdoc. in academia/industry. 6-4035

M.S., 1994 (expected); Oncology; Carcinogenesis, cellular/molecular biology, tumor virology, antitumor pharmacology, cancer pathology, radiology, immunology, clinical statistics, GLP/GCP regulatory/quality assurance; Avail. Jan 95; Research in industry/government; Salary negot.; J1 visa. 0-4056

Ph.D., 1990; Physiology; Electrophysiology, signal transduction, cell biology, cell development, patch clamp, short circuit current, noise analysis, RIA, radioisotope flux measurement, cell permeabilization, cell culture, establishment of cell lines; Avail. Aug 94; Research in academia/industry; Salary negot. 1-4037

Ph.D., 1991; Physiology, zoology; Regulation/energetics of cardiac/smooth muscle contraction, energetic measurements, O2, heat, biochemical methods, protein purification, isolated heart models, muscle biophysical measurement, Ca measurements; Avail. Jul 94; Research/teaching in academia/industry; Salary negot. 1-4038

Ph.D., 1991; Neuroscience, cardiovascular physiology/pharmacology; 2-D gel electrophoresis, calcium measurements with photoprotein aequorin, isometric stress measurements, microiontophoresis, extracellular electrophysiological recording, GG, HPLC; Avail. Apr 94; Research in industry/government; Salary negot. 3-4039

Ph.D., 1994 (expected); Molecular biology, chemistry, protein chemistry; Protein-RNA interactions, cloning, protein overexpression/purification, in vitro transcription, site-directed mutagenesis, DNA/RNA sequencing, PCR, gel electrophoresis, HPLC, extension inhibition analysis, CD spectroscopy; Avail. Jul 94; Postdoc. in industry/government; MD/DC area. 2-4041

Ph.D., 1991; Molecular biology, protein chemistry, immunology; Cloning, sequencing, gene mapping, expression, mutagenesis, structure-function, PCR, protein purification, electrophoresis, Western/Southern/Northern blots, Ab production, tissue culture, ELISA, ligand binding, flow cytometry, enzyme/cell proliferation assay; Avail. Jul 94; Research; PR. 2-4042

Ph.D., 1990; Physiology, cell biology; Cardiac performance, pulmonary microcirculation/hemodynamics in acute/chronic whole animal preparations, isolated/in situ lung preparation, isolated heart preparation, human performance/stress testing, PAGE, HPLC, EM, statistics (BMDP), teaching experience in medical physiology; Avail. Mar 94; Research/teaching. 1-4044

Ph.D., 1991; Physiology, cell biology, protein biochemistry; Whole animal studies, cell culture, immunofluorescence, protein modification with homo- and heterobifunctional crosslinking agents, chemical/enzymatic cleavage, HPLC, amino acid sequencing, SDS-PAGE, electrophoresis, ELISA, Western blot; Avail. Jul 94; Research in industry; Salary negot. 1-4045

Ph.D., 1994; Respiratory physiology, exercise physiology; Chest wall mechanics, in vitro isolated muscle preparation, oxygen radical stress research, cardiac rehabilitation, exercise test technician, exercise prescription, instructed exercise physiology laboratory/theory; Avail. May 94; Research/teaching/postdoc. in academia; Salary negot. 1-4046

M.D., 1983; Ph.D., 1994 (expected); Physiology, pathology; Microcirculation, electrophysiology, endothelium, fluorescence, cell culture, animal model/surgery, microscopy, protein purification, electrophoresis, spectroscopy, histochemistry, immunohemistry; Avail. Sep 94; Research/postdoc. in academia/industry; Salary negot.; PR. 1-4047

Ph.D., 1990; Physiology, cardiovascular; Design/organization of human cardiovascular pharmacological study (NASA), small/large animal surgery for cardiovascular studies, grant writing, gel filtration ion exchange, electrofocusing, tissue culture, receptor binding assays; Avail. Oct 94; Research in academia/industry. 1-4048

Ph.D., 1972; Biochemistry, protein chemistry; Isolation, characterization, amino acid analysis/sequencing of peptides/proteins, solid-phase peptide synthesis (BOC/FMOC chemistries), receptor binding studies, knowledge of analytical/preparative HPLC, RIA, tissue culture, electrophoresis; Avail. Mar 94; R&D in industry/academia. 2-4049

Ph.D., 1994 (expected); Biochemistry, enzymology; Cell culture, cytotoxicity in yeast/mammalian systems, yeast genetics, protein purification, molecular biology, chemotherapeutic drugs/delineation of mechanism of action. Avail. Jan 95; Postdoc. in academia/government. 2-4050

Ph.D., 1986; Pharmacology; M.S., 1981; Toxicology; Teaching experience (3½ years), research expertise in hepatic drug metabolism both pharmacological/drugs of abuse, cooked food mutagens, calcium/cell death, precision cut organ slices. Avail. Sep 94; Tenure-track academia. 3-4052

Ph.D., 1994 (expected); Cell biology, molecular biology, pharmacology; Regulation of gene expression in hypoxia, Northern/slot analysis, nuclear run-off, reporter gene analysis, gel retardation, mRNA stability, transfection, tissue culture; Avail. Jun 94; Postdoc. academia/government.3-4053

Ph.D., 1984; Pharmacology; Lung cancer/orthotopic preclinical screens/in vivo tumor lines, tumor biology, placental blood flow/vascular pharmacology, hypoxia, ecocadosin, isolated perfusion, nude rodents, tissue culture, RIA, HPLC, blood gas analysis, microspheres, rubidium; Avail. Mar 94; Research in academia/industry; Salary negot. 3-4054

Ph.D., 1987; Toxicology; Metabolism, toxicities (acute, chronic, mutagenesis), QSAR analysis of organophosphorus compounds, enzyme kinetics, receptor assays, organ perfusion, cell culture, electrophoresis, affinity chromatography, HPLC, radioisotopes; Avail. Jul 94; Research in academia/industry; Salary negot.; PR. 3-4055

Ph.D., 1990; Pharmacology, toxicology, molecular biology; Lung inflammation/fibrosis, collagen gene regulation, signal transduction, animal/cell culture studies, basic recombinant DNA methodology, biochemical/morphological techniques; Avail. Jul 94; Research academia/industry; PR.3-4056

Ph.D., 1990; Nutritional biochemistry; Intermediary metabolism, molecular biology, mammalian tissue culture, transient/stable transfection, DNase I footprint, gel-shift, PCR, sequencing, Northern-Western blotting, protein purification, FPLC, small animal surgery; Avail. Jun 94; Research in academia/industry; Salary negot. 5-4057

Ph.D., 1992; Nutrition, physiology, immunology; RD with clinical experience, gastrointestinal immune system/role of nutrition, small animal parenteral feeding model, T cell/enzyme purification, metabolite analysis by HPLC, cell culture; Avail. May 95; Research in academy. 5-4058

Ph.D., 1991; Immunology, molecular biology, genetics; Cloning, library construction, Northern blotting, PCR, sequencing, mutagenesis, transfection, ELISA, T cell proliferation assay, immunoprecipitation, electrophoresis, immunochromeny; Avail. Jul 94; Research academia/industry; PR.6-4059

Ph.D., 1990; Biophysics, mathematical biology; Experimental/theoretical enzyme kinetics, modeling electrophysiology, Ca dynamics, glycolytic oscillations, metabolic thermodynamics, coupled cellular networks, two years teaching experience; Avail. Aug 94; Research/teaching. 8-4060
EMPLOYMENT OPPORTUNITIES

Ph.D., 1994 (expected); Neuroendocrinology, molecular biology, reproductive biology; In situ hybridization, stereotaxic technique, autoradiography, immunohistochemistry, animal surgery, protein isolation, computer assisted analysis of data, statistics; Avail. Sep 94; Postdoc./research in academia/industry; Salary negot.; F1 visa. 9-4061

Ph.D., 1994 (expected); Biomedical engineering, respiratory physiology; Computer programming, digital control system design, digital filter design, computer modelling, mechanical design, analog circuits, electroencephalography, sensory afferent pathways, human studies; Avail. Oct 94; Postdoc. in academia/industry; Salary negot. 1-4062

Ph.D., 1991; Molecular biology, protein chemistry; Baculovirus/E. coli recombinant protein expression, protein purification, library construction, sequencing, cloning, PCR, S1 nuclelease/primer extension mapping, Southern/Western blotting, site-directed mutagenesis; Avail. Sep 94; Research; Salary negot. 2-4063

Ph.D., 1991; Molecular immunology, biology; Phage display libraries, cloning, sequencing, Western/Northern/Southern blotting, in situ hybridization, MAh culture, cell membranes, immunoassays, teaching experience; Avail. Sep 94; Postdoc./entry level research in academia/industry; Salary negot. 2-4064

Ph.D., 1992; Enzyme biochemistry; Bacterial pathogenesis, signal transduction, protein purification, FPLC/HPLC, assay development, inhibition kinetics, CD/fluorescence, ESI-MS, subcloning/DNA sequencing/site-directed mutagenesis; Avail. Jan 95; Research in industry; Salary negot.; H1 visa. 2-4065

Ph.D., 1986; Pharmacology, vascular biology; Thrombin, TRAPS, ANG-II, EDRF, neuroeffector transmission, bioassays, growth factor signalling, tyrosine kinase, gel electrophoresis, Westerns, second messengers assays; Avail. Jul 94; Research/teaching/regulatory; Now in Canada. 3-4066

Ph.D., 1992; Pathology, developmental physiology, cell biology, molecular biology; Surgery (large/small animal), in vivo hemodynamics, Northern blotting, cloning, library construction, electrophoresis, proteinate activity assays, scanning electron microscopy; Avail. Jan 95; Research in academia/industry; J1 visa. 4-4067

Ph.D., 1994 (expected); Nutritional biochemistry; Lipid/fatty acid/icosanoid metabolism/signaling transduction, enzyme purification, electrophoresis, Western blotting, synthesis of lipoxigenase metabolite/lipoxygenase metabolite containing diacylglycerol, analysis by HPLC/TLC/OC, PKC assay; Aug 94; Postdoc. in academia; F1 visa. 5-4068

Ph.D., 1991; Biophysics; X-ray/neutron diffraction, differential scanning calorimetry, FTIR, protein purification, HPLC, TLC, molecular modeling, electrophoresis, lipid chemistry; Avail. Nov 94; Research/teaching in academia/government; Salary negot.; East coast. 8-4069

M.S., 1989; Biochemistry, molecular biology, immunology; RNA/DNA isolation, PCR, hybridization, cloning, transformation, transfection, sequencing, tissue culture, MAb production, bioassays (CAT, LAL, ELISA); TLC, writing SOP, calibration, GMP, laboratory coordinator/administration; Avail. Jul 94; Research; Colorado. 0-4070

Ph.D., 1989; Electrophysiology; Single-electrode voltage clamp, patch clamp (hippocampal slice, disaggregated neurons, cultured cells), two-electrode voltage clamp (skeletal muscle, oocytes); Avail. Oct 94; Industry CNS; Salary negot.; H1 visa. 1-4071

Ph.D., 1994 (expected); Physiology, pharmacology; Airway smooth muscle in vitro, signal transduction, tension, cytosolic calcium, radioligand binding, respiratory physiology, mechanics of breathing, acid-base regulation in vivo; Avail. Jun 94; Postdoc. in academia/industry; Salary negot. 1-4073

Ph.D., 1988; Biochemistry, pharmacology, molecular biology; Investigation of prostanooids in inflammation associated with invasion of tumor cells, a hallmark for metastasis, tissue culture, animal models/metabolite analysis by cloning, library construction, Northern/Southern blots, HPLC, GC, drug toxicity; Avail. Jul 94; Salary negot.; PR. 2-4074

M.D., 1973; Pediatrics, hematology, cardiology; Myocardial ischemia/reperfusion, preconditioning, free radicals, EDRF, platelet aggregation, isolation of RNA, mRNA, hybridization, gel electrophoresis, RIA, ultrafiltrigation, small/large animal surgery; Avail. Jul 94; Research scientist/associate in academia/industry; Salary negot. 2-4076

Ph.D., 1993; Immunology, molecular biology; Cloning, DNA sequencing, PCR, transfection of mammalian cells, Western/Southern/Northern blotting, 1-D/2-D protein gel electrophoresis, MAB production/screening, cytotoxicity assays, NK purification, ELISA, tissue culture; Avail. Mar 94; Research in industry; Salary negot. 2-4077

Ph.D., 1991; Biochemistry, molecular biology; UV-VIS/CD spectroscopy, site-directed mutagenesis, mammalian/E. coli cell lines expression systems, protein purification, ligand/receptor interaction, equilibrium denaturation, RIA, phase display, computer modeling; Avail. Sep 94; Research in academia/industry; San Francisco/Bay area/CA; Salary negot. 2-4078

Ph.D., 1991; Immunology, molecular, cellular developmental biology; RNA/DNA extraction, RT-PCR, cloning, Southern blotting, antisense oligotherapy, FACS, fluorescence microscopy, ELISA, ELISA-SPOT, RIA, cytokine assays, tissue culture, cryosection, polyclonal/MAB purification; Avail. Aug 94; Industry; East coast. 6-4079

M.S., 1994 (expected); Chemistry, biology, biochemistry; Glycogen metabolism, β-hydroxybutyrate, free fatty acid, alanine analysis, animal tissue/blood removal, UV-VIS, research team director; Avail. May 94; Research in government/industry; Salary negot.; Western US. 0-4080

B.S., 1994 (expected); Zoology, molecular biology; PCR, RT-PCR, DNA sequencing, Southern/Northern blots, cloning, gel electrophoresis, plasmid preparation, restriction digest, laser densitometry, electrophoresis; Avail. Aug 94; Research in industry; Salary negot.; Western US. 0-4081

M.S., 1994 (expected); Biochemistry, molecular biology; Sequencing, cloning, primary cardiocyte culture, Western/Southern/Northern blotting, Northern blotting, expression, S1 analysis, differential display, primer extension, PCR; Avail. Jul 94; Research in academia/industry; Salary negot.; F1 visa. 0-4082

B.S., 1994 (expected); Molecular biology, nutritional biochemistry; PCR, RT-PCR, DNA sequencing, Southern/Northern blots, cloning, gel electrophoresis, plasmid preparation, restriction digest, laser densitometry, elemental selenium assay, fluorometry, enzyme assays; Avail. May 94; Research in industry; Salary negot.; Western US. 0-4083

Ph.D., 1987; Biomedical engineering; Coagulation enzyme activity in flowing conditions, fluid shear on vascular cell cultures, biocompatibility, cavitation erosion of MHV, implant wear/cytotoxicity, lung airway mechanics/computer modeling, fusion proteins/cloning; Avail Jun 94; Research in government/industry; Salary negot. 1-4084

Ph.D., 1994 (expected); M.D., 1987; Neuroscience, neuropathology; Patch clamp recording in whole-cell/patch configuration, cell culture, C programming; Avail. Sep 94; Postdoc. in academia; F1 visa. 1-4085

M.D., 1982; M.S., 1988; Electrophysiology; Patch clamp study ion channels, conventional/isolective microelectodes, cell isolation, tissue culture, microdissection of renal tubules, animal surgery; Avail. Jul 94; Research in academia/industry; Salary negot.; PR. 1-4086

Ph.D., 1994 (expected); Physiology; Vascular cell/molecular biology, angiogenesis, cell/cell interactions, cell/matrix interactions, cell migration, growth factors, tissue culture, 3-D culture, fluorescence imaging, image analysis, immunohistochemistry, nucleic acids, proteins, animal surgery; Avail. Sep 94; Postdoc. in academia/industry; Salary negot. 1-4087

Ph.D., 1994 (expected); Renal, cardiovascular physiology; Long-term role of EDNO in control of MAP/renal hemodynamics in conscious dogs/rats, aseptic animal surgery, GFR/RBF measurements, radioligand assay of Beta/M receptors, RIA; Avail. Jun 1994; Postdoc. in academia; Salary negot.; PR. 1-4088

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EMPLOYMENT OPPORTUNITIES

Ph.D., 1982; Physiology, biomedical engineering; Cardiovascular/respiratory hemodynamics, congestive heart failure, tachyarrhythmias, circulatory shock, ventilation, electromyography, sterile surgery, study direction, project leader/AOP budgeting, GLP regulations; Avail. Apr 94; Industry R&D/Technology assessment; Salary negot. 1-4089

Ph.D., 1988; Biophysics, cell biology, vascular biology; Confocal microscopy, Ca2+ measurement, tissue culture, microinjection, protein purification, actin measurement, human primary culture, endothelial permeability, clotting assays, immunofluorescence; Avail. Jul 94; Research in academia/industry; Salary negot.; PR. 2-4090

Ph.D., 1994 (expected); Molecular biology; Transcription factor/DNA interactions, polyclonal antibodies, mobility shift assays, sequencing, PCR, in vitro transcription/translation; Avail. Sep 94; Research in industry relating to human disease; Salary negot. 2-4091

Ph.D., 1994 (expected); Biochemistry, medicinal biology, protein chemistry; Mutagenesis/chemical modification in transcarboxylase, cloning, PCR, protein expression/purification, electrophoresis, mutagenesis, DNA sequencing, Western/Southern blotting, enzyme assays, cell culture; Avail. Sep 94; Postdoc. in academia/industry; Salary negot. 2-4093

Ph.D., 1989; Environmental oncology, toxicology; Shuttle vector plasmid construction/mutagenesis assay, DNA damage/repair, HPLC/32P postlabeling assays, New York State Attorney General’s office litigation/policy support, supervisory experience, funded CNRS (France) proposal for postdoc. research; Avail. Mar 94; Laboratory regulatory/policy. 2-4095

Ph.D., 1992; Biochemistry, medicinal chemistry, protein chemistry; Enzymology, carbohydrate/protein structure determination, kinetics, MALDI mass spectrometry, electrophoresis, circular dichroism, fermentation development, purification, HPLC; Avail. Mar 94; Academia teaching/industry research; Salary negot. 2-4096

Ph.D., 1991; Interdisciplinary pharmacology, receptor biochemistry; Intracellular signaling, cloning, site-directed mutagenesis, PCR, mammalian cell expression, primary cell culture, enzymology, Ab-based assays, HPLC, toxicology, drug metabolism; Avail. Apr 94; Industry; PR. 2-4097

Ph.D., 1989; Biochemistry, molecular biology; Cloning, sequencing, Western/Southern/Northern blotting, oligonucleotide synthesis, PCR, cell culture, nucleic acid/protein purification, electrophoresis, RIA, lipids assay, ultracentrifugation; Avail. Apr 94; Postdoc./research in academia/industry; Salary negot.; East/West coast; J1 visa. 2-4098

Ph.D., 1992; Biochemical genetics, biochemical pharmacology; LC, HPLC, MEKC, enzyme kinetics, mechanisms, SAR, drug discovery, tissue culture, cellular transport studies, ELISA, gel electrophoresis, Western blotting; Avail. Jul 94; Research; Salary negot. 2-4099

Ph.D., 1994 (expected); Molecular biology, cell biology; Transient expression assays, eukaryotic promoter/enhancer analysis, in vitro mutagenesis, cell culture, sequencing, PCR, cloning, hybridizations, Northern/Southern/Western blotting, cDNA synthesis, ELISA; Avail. Jun 94; Postdoc. in academia/industry; Salary negot. 2-4100

Ph.D., 1994 (expected); Biochemistry, cell biology; cPLA2/eicosanoid metabolism in differentiation/inflammation, [Ca2+]i, dynamics, GC/MS, HPLC, IR, NMR, spectrum, protein purification, Western blot, histochemistry, tissue culture, teaching/research/laboratory managerial experience; Avail. Sep 94; Research in academia/industry. 2-4101

Ph.D., 1986; Biochemistry, molecular biology; Protein/nucleic acid purification, column chromatography, Western/Southern/Northern/ligand blotting, DNA sequencing, PCR, library screening, tissue culture, endothelial biology, proteoglycans, lipoprotein lipase/lipoproteins; Avail. Jun 94; Research in academia/industry; Salary negot.; PR. 2-4102

Ph.D., 1987; Molecular biology, cancer research; Promoter analysis, in vitro transcription, cell transfection, primer extension, RNA analysis, DNA analysis, cloning/subcloning, DNA damage/transcription, DNA replication; Avail. Mar 94; Research; Salary negot. 2-4103

Ph.D., 1987; Biochemistry, molecular biology; Electron microscopy, tissue culture (mammalian cell lines), DNA/RNA, protein-nucleic acid interactions, protein purification, electrophoresis, Western/Southern/Northern blotting, HPLC, FPLC, PCR, sequencing; Avail. Jan 95; Research/administrative in industry/government; Baltimore/Washington. 2-4104

Ph.D., 1994 (expected); Bioanalytical chemistry; Instrumental development, laser microfluorimetry, fluorescence microscopy, protein chemistry, DNA sequencing, electrophoresis, tissue culture, HPLC, GCMS, TLC, FTIR, PC maintenance/interfacing, maintenance of Nd/YAG/Ar ion lasers; Avail. Sep 94; Research in industry; Salary negot. 2-4105

Ph.D., 1990; Synaptic pharmacology; Mechanisms/2nd messenger systems, IP3 receptors, K channels, calcium imaging/single cell microfluorimetry, glutamate receptor, whole cell voltage clamp, immunocytochemistry, primary neuronal culture, plasmid preparations, transfection of cell lines; Avail. Jul 94; Research in academia/industry; Boston/MA; PR. 3-4106

Ph.D., 1995 (expected); Pharmacology; Pharmacology of heparin/synthetic heparin analogues, GPC/HPLC, animal surgery (animal models of thrombosis), ELISA, gel chromatography, in vitro coagulation assays; Avail. Jun 95; Postdoc. in academia/industry; Midwest. 3-4107

Ph.D., 1994 (expected); Pharmacology; Cardiovascular, receptor-G protein effector in cloned cells/animal model, radioligand binding, enzyme assay, G-protein activation, tissue culture, smooth muscle contraction, DNA isolation, sequencing, electrophoresis, HPLC, GC, TLC, toxicity; Avail. Dec 94; Industry/postdoc.; Salary negot.; NJ, PA, NY, PR. 3-4108

Ph.D., 1987; Behavioral pharmacology/toxicology, general/neurophysiology, general/molecular nutrition; Visiting scientist, research assistant, research technician, teaching assistant; Avail. Jun 94; Research/learning/memory, food/water/electrolyte regulation. 3-4109

Ph.D., 1992; Nutrition, pharmacology, toxicology; Research focused on dietary omega-3 fatty acids in lung function/dysfunction using intact animals/cell culture (type II pneumocyte) preparations, teaching experience in nutrition; Avail. Jul 94; Teaching/research academia/industry. 5-4110

Ph.D., 1995 (expected); Nutrition, metabolism, biochemistry; Diet/metabolism in health/disease, in vitro metabolism, flow cytometry, HPLC, CG, enzyme activity, ELISA/membrane transport, statistics/graphics; Avail. May 95; Postdoc. in academia; Salary negot.; Canadian citizen. 5-4111

Ph.D., 1994 (expected); Nutritional biochemistry; Cellular/molecular mechanisms of trace metal metabolism/transport in human intestinal cells, radiolabeling, enzyme assays, gel filtration, spectroscopy, atomic absorption spectrophotometry, human feeding studies; Avail. Jan 95; Postdoc. in academia/industry; Salary negot.; F1 visa. 5-4112

Ph.D., 1992; Nutrition, food science; Lipid metabolism, immune function, eicosanoids, cytokines, acute phase, lipoprotein isolation, FPLC, ultracentrifugation, affinity chromatography, RIA, ELISA, HPLC, GC, TLC, PAGE, Western/Northern blotting, enzyme assays, cell culture, animals; Avail. Nov 94; Research in academia/industry; Salary negot.; J1 visa. 5-4113

Ph.D., 1994 (expected); Nutrition; In vitro modelling of large intestine fermentation, carbohydrates/SCFA analysis, capillary/packed GC, human clinical trials, DOS/Macintosh computers/LAN, small/large animal handling, size exclusion chromatography; Avail. Aug 94; Postdoc. in industry/academia; Salary negot. 5-4114

Ph.D., 1990; Nutrition; Lipid metabolism, lipid analyses, GLC, TLC, lipoprotein/apoipoprotein separation, precipitation, SDS-PAGE, ELISA, fluorography, immunoprecipitation, total RNA, mRNA, cDNA isolation, Northern blot, autoradiography, densitometry; Avail. Jul 94; Research/teaching in academia/industry; Salary negot. 5-4115

Ph.D., 1992; Pharmacology, immunology, cellular, molecular biology; Inflammation, models of inflammation/anaaphylaxis, whole animal study, animal surgery/tissue isolation, tissue culture, adhesion assays, adhesion molecules, signal transduction, immunohistochemistry, Northern blotting; Avail. Sep 94; Research in academia/industry; Salary negot. 6-4116
EMPLOYMENT OPPORTUNITIES

Ph.D., 1994 (expected); Immunology; Signal transduction, growth factor, signaling, protein phosphorylation, kinase assays, cell labeling, mitogenic assays, DNA/RNA purification, DNA transfections, subcloning, transformation, Western/Northern/Southern blotting; Avail. Jun 94; Postdoc. in academia/industry; Salary negot.; F1 visa. 6-4117

Ph.D., 1989; Immunology; Murine MAb, human-human hybridoma MAb, production, purification verification, ELISA development (one patent filed), RIA, tissue culture, T/B cells, peptide immune response/analysis, histology, molecular biology; Avail. Jun 94; R&D in industry/academia; Salary negot.; Now in U.K. 6-4118

Ph.D., 1994 (expected); Epithelial biology; Water transport, histology, light microscopy, digital video microscopy, image analysis, programming, micropipette work, apparatus design/construction, epithelial/nonepithelial cell culture, SEM, TEM, digital graphic arts; Avail. Jul 94; Postdoc. in academia/industry; Salary negot. 7-4121

Ph.D., 1994 (expected); Biophysics, biosurface engineering, physical chemistry; Membranes/biopolymers, self-assembling systems, surface/electromechanical phenomena, X-ray diffraction, BLM, patch clamp, physical modeling, scientific computing, numerical methods; Avail. Dec 94; Research in industry/academia; Salary negot.; F1 visa. 8-4122

M.S., 1994 (expected); Biochemistry, protein chemistry, molecular biology; Chemical modification, protein expression/purification, enzyme assay, kinetic study of enzyme, Western blot, cell culture, mutagenesis, DNA sequencing, electrophoresis, HPLC, CD, fluorescence spectroscopy; Avail. Sep 94; Research in industry; Salary negot.; J1 visa. 0-4123

Ph.D., 1975; Physiology; Systems level neuroscience/cardiocirculatory, hypothemeral cerebral protection/bypass, brain microdialysis, neurodegeneration/neurotrophic factors, behavioral models, CNS-angiotensin, brain tumors, stereotactic surgery, teaching experience; Avail. Jul 94; Research/teaching in academia/industry; Salary negot. 1-4124

Ph.D., 1978; M.D., 1971; Cardiovascular physiology, neurophysiology; Small animal microsurgery, single/multiplier neural recording, neural stimulation, sinoaortic derenervation; Avail. Jul 94; Research in academia/industry; Salary negot.; J1 visa. 1-4125

Ph.D., 1992; Biochemistry, protein chemistry, enzymology; FPLC, HPLC, peptide mapping, AA sequencing, PAGE, Westerns, kinetics, DNA cloning, sequencing, expression, PCR, mutagenesis, chimeric proteins, transfection, cell culture; Avail. Jul 94; Research academy/industry; H1 visa. 2-4126

Ph.D., 1990; Biochemistry; Cloning, purification/characterization of bacterial luciferase, GH folding in rat pituitary, ELISA, protein expression/folding, cell culture, electrophoresis, spectroscopy, chromatography, aqueous two-phase partitioning; Avail. Jan 95; Research industry.  2-4127

Ph.D., 1990; Protein chemistry, bioanalytical chemistry; Application of spectroscopic methods, protein sequencing, AA analysis, HPLC, electrophoresis, electrophoretic blotting, purification, structure-function, ligand-protein/protein-protein interaction, UV-VIS, FTIR, Raman spectroscopy; Avail. Jul 94; Research in academia/industry; NJ, NY. 2-4128

Ph.D., 1995 (expected); Pharmacology; Receptor biology, radioligand binding, inositol phosphate signalling, molecular biology, cell culture; Avail. Jan 95; Postdoc. in academia/government involving molecular neuroscience; Salary negot. 3-4129

Ph.D., 1985; Biochemistry, biophysics, protein chemistry; Calorimetry (ITC, DSC), thermodynamics, instrument development, software programming, HPLC, LC, electrophoresis, spectrophotometry (UV-VIS, CD, fluorescence), electronics; Avail. Jun 94; Research academy/industry. 8-4130

Ph.D., 1992; Biophysics, physiology; Ion channel structure/function, mechanisms of membrane transport proteins, patch clamp, tissue culture, mammalian expression system development, thermodynamic/kinetic modeling of ion channels/transport proteins, immunofluorescence, teaching experience; Avail. Jun 94; Research/teaching academia/industry. 1-4131

Ph.D., 1992; Physiology, pharmacology; Whole-cell, single-channel patch clamp of recombinant GABA receptors, effects of hypoxia/hypercapnia on central neurons, cell culture, small animal surgery, mammalian cell transfection, Northern/Southern analysis; Avail. Mar 94; Research in academia/industry; Salary nego- 1-4133

Ph.D., 1993; Physiology; Animal surgery, Western/Southern/Northern blotting, mitochondrial isolation/respiration, mitochondrial protein/enzyme assays, in situ hybridization, gel-shift assays, radiotelemetry, hyperbarics, copper-deficient animal model, electrophoresis; Avail. Oct 94; Postdoc/re- search; Salary negot. 1-4134

Ph.D., 1993; Cardiovascular physiology, pharmacology; Acute/chronic animal preparations, teaching experience, catheters, flow probes, ultrasonic segment length crystals, radioactive/colored microspheres, microdialysis, nerve recordings; Avail. Jul 94; Teaching/research in academia/industry; Salary negot.; PR. 1-4135

Ph.D., 1988; Vertebrate, invertebrate physiology, cell biology; Neur- oepithelium membrane transport, Using, microelectrode, cable analysis, isotope flux, peptide signal transduction, microspectroscopy/fluorescent indicators, Western/Northern blotting, RIA, Grantsmanship; Avail. Mar 94; Research/teaching in academia/industry. 1-4136

Ph.D., 1988; Physiology (respiratory, cardiovascular, exercise), pharmacology, molecular biology; Airway function, smooth/epithelium biology, cell surface signal transduction, respiratory/CV function techniques, pharmacology/molecular biology techniques; Avail. Sep 94; Research/teaching tenure-track academia; Salary nego- 1-4137

Ph.D., 1994 (expected); Neurophysiology; Hormonal/peptidergic influence over central nervous system functions, neuropharmacology, in vivo extracellular recording, fluorescent tract tracing, immunocytochemistry, histochemistry, animal surgery; Avail. Jan 95; Postdoc. 1-4138

Ph.D., 1994 (expected); Physiology; Electrophoresis, silver staining, Western/Northern blotting, SI mapping, DNA transfection, CAT assay, luciferase assay, cell isolation, tissue culture, radiosynthetic assay, animal surgery, isolated heart perfusion; Avail. Jan 95; Postdoc. in academia/industry; Salary negot.; PR. 1-4139

Ph.D., 1995 (expected); Cardiopulmonary physiology; Signal transduction, animal surgery, conscious animals, isolated lungs, isolated vessels, cell culture, fluorescence spectroscopy, RIA, teaching experience in pulmonary physiology; Avail. Sep 95; Postdoc. in academia/industry. 1-4140

Ph.D., 1994 (expected); Physiology, biochemistry, genetics; In vivo NMR spectroscopy, development of in vivo NMR methods, cell design, role of Mg2 in regulation of cardiac bioenergetics/development of traumatic brain injury, comparative bioenergetics regulation in different tissues, tutoring; Avail. Nov 94; Postdoc. in academia/industry; Now in Australia. 1-4141

Ph.D., 1990; Protein chemistry, molecular biology, microbiology; Atherosclerosis, cloning, mutagenesis, sequencing, expression, cell culture, protein purification, electrophoresis, blotting, Ab production, RIA, binding/kinetic assays, membranes; Avail. Jul 94; Research in academia/industry; PR. 2-4142

Ph.D., 1992; Biochemistry, molecular biology, immunology; Protein purification, cloning, library construction, sequencing, LCL/HPLC, enzyme kinetics, binding assays, Northern/Southern/Western blotting, MAb production, tissue culture, teaching assistant, drug development team; Avail. Mar 94; Research in academia/industry; Salary nego- 2-4144

Ph.D., 1991; Molecular biology, protein chemistry; Cloning, screening, protein/RNA interactions, eukaryotic reporter gene assays, nuclear transcriptional assays, RNAS footpring, gel-shift/UV crosslink assay, Northern/Southern/Western blotting, numerous rDNA/rRNA methods; Avail. Jun 94; Research in industry/government; Salary negot. 2-4145
EMPLOYMENT OPPORTUNITIES

Ph.D., 1969; Enzymology, environmental chemistry; Physical methods to study ligand binding to proteins, NMR, peptide purification, chemical/affinity labeling, scientific writing/editing; Avail: Mar 94; Research/development/writing; Salary negot. 2-4146

Ph.D., 1992; Biochemistry, molecular biology; Cloning, isotopic/nonsotope DNA sequencing, gene transfer in CHO/HeLa cells, cell culture, protein purification by FPLC/conventional column chromatography, Western blotting, immunoprecipitation, protein assay development, FISH; Avail: Jun 94; Research in government/industry; Salary negot. 2-4147

Ph.D., 1992; Molecular cell biology, immunology; RNA/DNA purification, library construction/screen, DNA sequence, vector construction, PAb/MAb production/characterization, tissue culture, Western/Southern/Northern, ELISA, flow cytometry, immune cell purification/characterization; Avail: Jul 94; Research/teaching; Salary neg. 2-4148

Ph.D., 1994 (expected); Molecular biology; In vivo footprinting, LMPCR, DNA-protein interactions, cell culture, DNA-mediated gene transfer, mobility shift assay, Northern/Southern blotting, PCR, CAT assay, sequencing, cloning; Avail: Jul 94; Postdoc in industry/academia. 2-4149

Ph.D., 1994 (expected); Biochemistry, molecular biology, enzymology; Protein purification, electrophoresis, cloning, sequencing, antibody production, HPLC, FPLC, Western/Southern/Northern, protein characterization, enzyme kinetics, spectroscopy, animal surgery, programming, network computing; Avail: Aug 94; Postdoc. academia/industry; NJ. 2-4150

Ph.D., 1990; Biochemistry, cell biology; Fermentation, purification, kinetics, PAGE, GC, HPLC, FPLC, spectrophotometric/electrochemical detection/assay development, cell culture, transport, electrophoresis, biochemical nutrition, RNA isolation; Avail: Mar 94; Research in academia/industry; Salary neg.; Washington metro area.

Ph.D., 1994 (expected); Biochemistry, cell biology, molecular biology; Protein characterization/purification, SDS-PAGE, IEF, column chromatography, Western/Northern blots, protein binding, kinetics, cell culture, cell binding, primary cell isolation/activation; Avail: Mar 94; Postdoc/research in academia/industry; PR.

Ph.D., 1978; Biochemistry, toxicology, pharmacology, cell physiology; Hepatocyte isolation/cryopreservation, metabolism regulation, diabetes, lipoligopy, xenobiotic/metabolite analysis by HPLC, TLC, radiometric/enzymatic methods, cell culture, organ perfusion; Avail: Apr 94; Research in academia/industry; Salary neg.; PA, NJ. 2-4153

Ph.D., 1994 (expected); Pharmacology, Pharmacology of adrenocortical, neumodulation in periphery, determination of neurotransmitter release, tissue/plasma catecholamines, study of hemodynamics/renal function, in vivo/vitro techniques, HPLC-EC, flame photometry, statistics; Avail: Aug 94; Postdoc in academia/industry; Salary neg.; F1 visa.

Ph.D., 1994 (expected); Pharmacology, neuropharmacology; Estrogen/endogenous opioids, endocrine pharmacology, reproductive biology, HPLC, animal surgery, RIA, receptor binding, microdialysis, tissue/cell culture; Avail: Aug 94; Postdoc. in academia/industry; Salary neg.

Ph.D., 1994 (expected); Cardiovascular, renal physiology, pharmacology; Circulatory shock, mechanisms involved in ischemia-reperfusion injury, in vivo, dogs/rats, enzyme assays, LH, CK, statistics; Avail: Aug 94; Postdoc in academia/industry; Salary neg.; F1 visa.

Ph.D., 1994 (expected); Pharmacology, veterinary medicine, surgery; Pharmacokinetics, pharmacology of steroids, NSAIDS alpha-2 agonists/opiates in animal models of inflammation, chronic pain/anxiety, measurement of eicosanoids by HPLC, GC/MS/ELISA, statistics/GLP training; Avail: May 94; Pharmacological research in academia/industry.

Ph.D., 1982; Biophysics, biochemical pharmacology, lipid, protein biochemistry; Lipid peroxidation, antioxidants, cytochrome 450, lipoproteins, pharmacokinetics, drug toxicities, EPR, UV-VIS, GC, HPLC, TLC, cell culture, electrophoresis, Southern/Western, animal surgery, cataract, diabetes, ischemia models; Avail: May 94; Research; PR.3-4158

Ph.D., 1994 (expected); Pharmacology; Baroreflex/cardiovascular function in conscious/anesthetized rats, various genetic/experimental hypertensive models, aging studies, opioids, extracellular nerve recording/stimulation, stereotaxis surgery, chronic catheters/flow probe, RIA, statistics; Avail: Dec 94; Postdoc. in academia/industry; F1 visa. 3-4159

Ph.D., 1991; Cardiovascular pharmacology; Patch clamp, whole-cell recordings, single channel studies of purified channels incorporated into planar lipid bilayers, protein purification, radioligand binding, Langendorff-perfused hearts, ischemia-reperfusion, RIA; Avail: Aug 94; Research in academia/industry; Salary neg.; J1 visa.

Ph.D., 1992; Human nutrition, immunology, epidemiology; Diabetes research, clamps, FSIGT, OGGT, small animal surgery, biochemical assays, dietary prevention of cancer, histology, biochemistry, indirect calorimetry, body composition, cell culture, lymphocyte assays; Avail: Sep 94; Research in academia/industry; Salary neg.; Canada preferred.

Ph.D., 1994 (expected); Nutritional sciences; Isolation of LDL/HDL, cell culture with endothelial/macrophage, characterization of HDL from premenopausal females, TLC, GC, ELISA, RIA analysis, clinical nutrition practice; Avail: Feb 95; Postdoc. academia/industry; Salary neg. 5-4162

Ph.D., 1995 (expected); Pharmacology; Recombinant, synthetic/peptide inhibitors of thrombin, in vitro coagulation assays, animal surgery (thrombosis, thrombolysis/hemorrhagic models), ELISA, in vitro enzyme systems, isolated tissue preparation; Avail: May 95; Postdoc./research in academia/industry.

Ph.D., 1992; R.D., 1994; Inorganic chemistry, nutrition; Effect of protein types for cancer therapy in animals, nutrition counseling, anthropometrics assessment in overweight subjects, statistics, GC, small animal surgery, SEM, biochemical assays, spectrometry, teaching experience; Avail: Apr 94; Research in academia/industry; Salary neg.; PR.

Ph.D., 1994 (expected); Nutrition, gastrointestinal physiology, molecular biology; Parabiotic chamber, BBMV/explant transport assays, enzymatic/chemical peptide synthesis, HPLC, TLC, PCR, RNA fractionation, microinjection/overexpression; Avail: Sep 94; Research/postdoc. in industry/academia; Salary neg.

Ph.D., 1991; Nutrition, enzymology, molecular biology; Whole animal xenobiotic metabolism, kinetic analysis of membrane proteins, protein/lipid chemistry, IEF, Western blotting, radioligand binding, cDNA synthesis, Northern/Southern blotting, library screening, PCR, sequencing, bacterial expression of proteins; Avail: Aug 94; Research/teaching.

Ph.D., 1994 (expected); Nutritional biochemistry; Lipid/lipoprotein metabolism, whole body cholesterol balance, cholesterol absorption, synthesis/excretion, enzyme activity assay using dual isotypes, primary cell culture, HPLC, TLC, GC/affinity chromatography, animal surgery; Avail: Jul 94; Postdoc.; Salary neg.; PR.

Ph.D., 1994 (expected); Food science/technology; Cell culture, column chromatography, gel electrophoresis, thin layer chromatography, histology, fiber typing, microbiological/biochemical detection of pathogens, diagnostics/treatment of animal diseases, meat processing, sensory analysis, HACC; Avail: Jun 94; Academy/industry; F1 visa.

Ph.D., 1986; Immunopharmacology, cell biology; PCR, mutagenesis, cell transfection, Western/Northern blots, cell culture, signal transduction, degradation, PLC/PLD/PLA2 assays; Avail: Jul 94; Research in academia/industry; Salary neg.; PR.

Ph.D., 1994 (expected); Immunology, molecular biology, toxicology, virology; Electrophoresis, Western/Southern/Northern blotting, MAb production, tissue culture, ELISA/RIA, immunotoxicty assay, PCR, cytokine assay, animal surgery, cloning, library construction; Avail: Jun 94; Research in academia/industry; Salary neg.; PR.

Ph.D., 1994 (expected); Cellular immunity; Regulation of cytokine synthesis in human T cells, tissue culture, ELISA, Northern blotting/RT-PCR, MAb production/purification, immunofluorescence, FACS, plasmid preparations; Avail: Jan 95; Postdoc. in academia/industry.
EMPLOYMENT OPPORTUNITIES

Ph.D., 1988; Immunology, molecular biology, microbiology, biochemistry; Tissue culture, T/B cell lines, hybridomas, MAb, peptide synthesis, mycobacterial culture, mouse leprosy model, Western/Southern/Northern blotting, DNA/RNA extraction, RFLP, PCR, cloning DNA, MHC binding assay; Avail. Sep 94; Research in academia; H1 visa. 6-4175

D.V.M., 1985; Ph.D., 1995 (expected); Immunology, molecular biology; Cloning, sequencing, PCR, electrophoresis, Western/Southern/Northern blotting, tissue culture, cytokines, T cell clones/lines, protein expression/purification, T cell assays, cell separation; Avail. Apr 95; Postdoc. in academia/industry; Salary negot.; F1 visa. 6-4176

Ph.D., 1994 (expected); Neuroimmunology, neuropathology; Spinal cord injury, fetal neural transplantation/EAE, lymphocyte proliferation assay, adoptive transfer of EAE, quantitative autoradiography (BBB analysis), microglial/neuronal cultures, lectin histochemistry (microglia), animal surgery, immunocytochemistry; Avail. Jan 95; Postdoc. 6-4177

Ph.D., 1994 (expected); Immunology, vascular biology; Lymph node, immunolabeling techniques for LM/EM, histochemistry, vascular corrosion casting, cell/tissue culture, macrophage isolation/culture, flow cytometry, colloidal gold preparation/labeling; Avail. Jul 94; Postdoc. 6-4179

Ph.D., 1994 (expected); Anatomy, cell biology; Tissue culture, SEM, TEM, histology, structure-function, immunofluorescence, immunogold staining for cytoskeletal elements, electrophoresis, small animal handling/surgery; Avail. Aug 94; Postdoc. in academia/industry; Salary negot. 7-4180

Ph.D., 1988; Biophysics, membrane biophysics, biology of nitric oxide, immunology, immunohistochemistry; EPR in vivo, EPR in vitro, spin labeling, spin trapping, chemiluminescence, time-resolved fluorimunooassay, immunoassay, hemodynamic measurements; Avail. Aug 94; Research in academia/industry; Salary negot.; J1 visa. 8-4181

Ph.D., 1994 (expected); Biophysical, physical, analytical chemistry; Transient/time-resolved resonance Raman, steady-state absorption/fluorescence spectroscopy; Avail. Jan 95; Postdoc./teaching in academia/industry; Salary negot. 8-4182

Ph.D., 1994 (expected); Biophysics, molecular modeling; Developing theoretical/computational approaches for modeling biological systems, NMR, computational chemistry, protein folding, electrostatics, scientific visualization, C/C++/FORTRAN programming, SGI, GI/for-mot, system administration, UNIX; Avail. Feb 95; Research; F1 visa. 8-4183

Ph.D., 1994 (expected); Physical chemistry; Spectroscopy (transient/time resolved resonance Raman), steady-state/time resolved fluorescence, absorption, ESR (4K-RT), metalloporphyrins, heme proteins, transfer model systems; Avail. Jun 94, Postdoc./permanent position in industry/academia; Salary negot. 8-4185

B.S., 1993; Biochemistry, molecular biology; GC, HPLC, PCR; Avail. Mar 94; Technician in government/industry; Salary negot. 0-4186

Ph.D., 1994 (expected); Biochemistry, molecular biology; Gene therapy, cloning, library construction, RT-PCR, gene expression, tissue culture (HSC), sequencing, Southern/Northern blotting, electroporation; Avail. Mar 94; Research academy/industry; Washington, DC; F1 visa. 2-4188

Ph.D., 1989; Human genetics, molecular biology; Lipid chemistry, cytogenetics, RNA stability studies, Northern/Southern/Western blotting, sequencing, PCR, tissue culture, subcloning, TLC, GC, FPLC, protein purification; Avail. Jun 94; Research; Washington/Northern VA. 2-4189

Ph.D., 1987; Molecular biology, genetics; Expression, regulation, DNA/protein interactions, molecular neurobiology, biochemistry, aging, Alzheimer’s, cloning, sequencing, mutagenesis, electrophoresis, hybridization, tissue culture; Avail. Jan 95; Research/supervision/teaching/writing/reviews; Salary negot.; Baltimore/Washington/Philadelphia. 2-4190

Ph.D., 1994 (expected); Foods, nutrition, molecular biology; Recombinant DNA techniques, cloning, sequencing, electrophoresis, Western/Southern blotting, in vitro mutagenesis, plant transformations, tissue culture, enzyme assays, TLC, amino acid analysis; Avail. Aug 94; Research in academia/industry; Salary negot.; Michigan; F1 visa. 5-4192

Ph.D., 1986; Physiology, cardiac electrophysiology, pharmacology, molecular biology; Whole-cell/patch clamp techniques, single cardiac myocytes, xenopus oocytes, cloning, electrophoresis, RNA isolation, Northern/Southern, DNA sequencing, PCR, site-directed mutagenesis, in vitro expression, mammalian cell culture; Avail. Mar 94; Research. 1-4193

Ph.D., 1990; Cardiovascular physiology; Cardiac/smooth muscle mechanics, "skinned" fibers, organ culture, calcium sensitizing agents, protein extraction/purification, 1-D/2-D electrophoresis, Western blotting, peptides/antibodies as probes of protein interaction, kinase/phosphatase enzyme assays; Avail. Jun 94; Assistant professor/industry. 1-4194

Ph.D., 1994 (expected); Biochemistry, molecular biology, immunology; Structure-function, protein purification, spectroscopy, EPR, UV-VIS, AA, IR, NMR, electrophoresis, radioactive labeling, electrochemistry, immunological techniques, tissue culture, cytotoxicity assays, blotting, chromatography; Avail. Mar 94; Postdoc.; F1 visa. 2-4195

Ph.D., 1990; Protein chemistry, drug metabolism; Vector construction, tissue culture, purification of expressed proteins, enzymology, kinetics, assay development (HPLC/GCMS), protein NMR, computer modeling of drug molecules, excellent communication skills; Avail. Apr 94; Research in academia/industry; Salary negot.; East/West coast. 2-4196

Ph.D., 1991; Enzymology, protein chemistry, molecular biology; Enzyme kinetics, chemical modification, HPLC, NMR, metal binding, cloning, site-directed mutagenesis, electrophoresis, protein purification; Avail. Oct 94; Research/teaching in academia/industry; Salary negot. 2-4197

Ph.D., 1995 (expected); Pharmacology; Role of nitric oxide/cytokines in the regulation of vascular smooth muscle cell growth, primary/sub-passage tissue culture, Northern/Western blotting, DNA synthesis/cell growth assays, flow cytometry, RIA, receptor binding assays; Avail. Feb 95; Postdoc. in academia/industry; Salary negot. 3-4198

Ph.D., 1992; Pharmacology, cardiovascular pulmonary pharmacology; Pulmonary vascular bed, animal surgery, isolated pulmonary artery/aorta, histology, RIA, steroid/estrogen, cell/tissue culture, statistics; Avail. Sep 94; Research in industry; Salary negot.; PR. 3-4199

Ph.D., 1986; Nutritional biochemistry; Animal models, diet formulation, nutrient/enzyme assays, column chromatography, PAGE, FPLC, HPLC, RIA (uptake, transport, binding studies); Avail. Jun 94; Research/teaching; Salary negot.; Eastern US. 5-4200

Ph.D., 1994 (expected); Cellular/mucosal immunology, protein chemistry; ELISPOT, ELISA, cytokine detection, proliferation assays, DTH, PCR, protein purification, electrophoresis, FPLC, tissue culture techniques; Desire to enhance molecular biology skills; Avail. Jan 95; Postdoc. in academia/industry; Salary negot. 6-4202

Ph.D., 1994 (expected); Physiology; Hormonal regulation of blood flow in pregnant animal model, hemodynamic measurement by transducer, Doppler/radioactive microspheres, pharmacological analysis of NO/NOS, alpha/beta adrenergic receptors in pregnant model, ELISA, small animal surgery; Avail. Aug 94; Postdoc. in academia; Salary negot. 1-4203

Ph.D., 1991; Physiology, biochemistry; Transmembrane signal transduction, phospholipases, enzyme assay development, column chromatography, TLC, Western/Northern blotting, immunoprecipitation, immunofluorescence, RIA, ELISA, cell culture; Avail. May 94; Research; Salary negot.; PR. 1-4204

Ph.D., 1988; Biochemistry, molecular biology, entomology; Protein purification, hormone binding, signal transduction, transcription factors, mono-/polyclonal antibodies, Western/Northern blots, cloning, sequencing, PCR, restriction analysis, cell culture; Avail. Oct 94; Research in academia/industry; Salary negot.; Now in Canada. 2-4205
DrySlide™ Indole is a disposable slide that holds a reagent chip containing 5% DMABA (p-dimethylanilinobenzaldehyde), which permits the rapid determination of indole production by both aerobic and anaerobic bacteria. DrySlide Indole is a self-contained device; there are no potentially hazardous glass slides, thin paper strips, reagent bottles, crush ampules, or petri dishes to handle and discard. It is supplied ready to use; the need for reagent preparation has been eliminated. Simply remove DrySlide Indole from its pouch and rub the organism onto the slide. The appearance of a pink color within 30 s indicates a positive result.

Difco Laboratories, Technical Information, P.O. Box 331058, Detroit, MI 48232-7058, USA.

SynChropak PAH is an HPLC column designed as an effective tool for polyaromatic hydrocarbons (PAH) analysis. It combines reproducibility and selectivity for the EPA targeted PAH standards and allows molecules to achieve rapid mass transfer as well as high efficiency. Because of its less retentive nature, SynChropak PAH can analyze more retentive compounds than similar HPLC columns.

SynChrom, Inc., P.O. Box 5868, Lafayette, IN, 47903, USA.

The MRC-1000 Confocal Laser Scanning Imaging System is a computer-controlled, multichannel laser scanning imaging system that combines advanced applications capability with ease of use. Redesigned and relocated electronics enhance the signal-to-noise ratio. The system is offered with up to three independent confocal detection channels, each with computer-controlled gain and black level. The confocal iris and six-position emission filter wheel on each channel are also independently controlled by the computer. The system offers simultaneous acquisition of multiple-channel data and signal-mixing electronics for combined display of multichannel data. The unique subtractive mixing capability provides the facility for real-time bleed-through corrections. The instrument uses a fiber optic delivery system with computer-controlled laser intensity and wavelength selection without change of beam-pointing accuracy. It is available in both visible wavelength and UV configurations. The system also offers as an option a motorized pillar assembly providing quick changeover from upright to inverted configuration.

Bio-Rad Laboratories, Life Science Group, Genetic Systems Division, 2000 Alfred Nobel Dr., Hercules, CA 94547, USA.

The ALC model 4206 general purpose centrifuge is a compact, economic unit for general laboratory applications. The three rotor systems available are the F9 (6 x 15 ml); the F10 (4 x 15 ml) with aerosol containment carriers; and the F11 (4 x 30 ml) rotor. All can achieve 6000 rpm and over 3300 x g. The 4206 permits preselection of time and continuous variable speed control from 0 to 6000 rpm. Electronic timer, visual displays and wide selection of rotors and adaptors to accommodate tubes for most common laboratory procedures make the 4206 an excellent choice for the smaller lab or for use as a backup unit.

Astell Enterprises, Inc., 110-D Industrial Dr., Winchester, VA 22602, USA.

A metal halide microscope illumination system provides exceptionally bright images over the entire visible spectral range. The system, which can be used for either transmitted or reflected light microscopy, dramatically enhances optical performance, particularly at high magnifications. It also offers even illumination and longer bulb life. The system’s brilliant metal halide light source offers ultra-sharp resolution. It has eight different intensity settings, anditspectralcurvecloselymatchesthesensitivityofthehuman eye. Because it is bluer than the standard halogen source, resolution is noticeably enhanced. In addition, the light source offers an average bulb life of 1,000 hours—five times longer than the average for mercury bulbs and 2.5 times longer than the average for xenon bulbs. Nikon Inc., 1300 Walt Whitman Rd., Melville, NY 11747-3064, USA.

RNA Tack™ resin is intended for the final purification of total RNA after removal of DNA and proteins from the biological sample with phenolic or nonphenolic-based RNA isolation reagents. This method is based on binding the crude solution of total RNA after removal of DNA and proteins with specific RNA binding resin. In most RNA isolation techniques, phenolic and nonphenolic methods, RNA is first recovered from DNA and proteins and then precipitated with ethanol or isopropanol. After incubation of 1–2 h and subsequent centrifugation, the RNA precipitate is obtained and washed with water or buffer. However, the solubility of RNA in water or buffer frequently becomes a problem. In phenolic RNA isolation methods, RNA precipitate is sometimes contaminated with traces of phenol and guanidine salts. Biotex Laboratories, Inc., 6023 South Loop E, Houston, TX 77033, USA.

Serum-free medium kits aid growth and maintenance of targeted cell types and are complete with the appropriate basal medium and all growth supplements needed to support the proliferation of specific cells; these kits offer convenience, flexibility, and reliability. The Fibroblast Medium Kit (Product No. FMK-1) is suitable for maintaining fibroblast cultures or establishing primary cultures. The Keratinocyte Medium Kit (Product No. KMK-1) supports the proliferation of Normal Human Epidermal Keratinocytes (NHEK). The Melanocyte Medium Kit (Product No. MMK-1) supports the growth of Normal Human Melanocytes (NHEM). All three specialty media are serum-free. The Endothelial Medium Kit (Product No. EMK-1) supports the growth of endothelial cells from a variety of species including human, bovine, rabbit, dog, mouse, and rat in a low-serum (2%) environment.

Sigma Cell Culture, P.O. Box 14508, St. Louis, MO 63178, USA.

ART Solvent Safe™ pipet tips (patents pending worldwide) contain an activated carbon filter that has been scientifically proven to stop absolutely the passage of corrosive fumes generated while pipetting strong acids, bases, and volatile organic solvents. ART Solvent Safe finally allows the use of the accurate and economical air displacement pipettor as an alterna-
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Iso-NO, a nitric oxide sensor, delivers quick, accurate, and stable readouts in fluid volumes smaller than 1 µl. Sensitivity ranges from 1 to 20 (or from 0.03 ppb to 600 ppm) in aqueous solutions, or from 1 to 20,000 ppm in gaseous mixtures. Nitric oxide consumption by the electrode is negligible. A newly developed "dry" electrolyte eliminates tedious refilling during use. The instrument can easily connect to a chart recorder or data acquisition system. A simple T-adaptor allows the probe to perform continuous flow-through monitoring at flow-through rates as low as 1.55 µl/min. **World Precision Instruments**, 175 Sarasota Center Blvd., Sarasota, FL 34240-9258, USA.

Thelco, a line of high-performance laboratory incubators designed to provide the precise temperature control and uniformity required for demanding incubation applications, is now available from Precision Scientific Inc.Totally microprocessor-controlled, the incubators are available with either mechanical or gravity convection and feature a temperature range of ambient +5°C to 70°C. Temperature uniformity, sensitivity, and stability for the units are as precise as ±0.25°C, ±0.1°C, and ±0.2°C, respectively. Chamber temperature is displayed on a bright LED readout. Available in six different models. **Precision Scientific Inc.**, 3737 West Cortland St., Chicago, IL 60647, USA.

Propylene phenoxyt, an antimicrobial preservative, is a substitute for formaldehyde; it is shipable via UPS and is non-carcinogenic, non-flammable, and non-irritating to eyes, skin, and mucous membranes at use concentrations. The preservative is particularly effective against difficult-to-control microorganisms including resistant strains of *Pseudomonas.* As a liquid, it is freely miscible with many organic solvents, emulsifiers, and surfactants. **Spectrum Chemical Mfg. Corp.**, 14422 S. San Pedro St., Gardena, CA 90248, USA.

**Software**

Pentium-based version of Meridian's InSIGHT-IQ™ Image Processing and Quantitation Computer system is available as an option with Meridian's InSIGHTPLus™ Laser Scanning Confocal Microscope in a standard 80486 DX/266 MHz configuration, or with a state-of-the-art 66 MHz pentium-based microprocessor for enhanced speed and performance. The dedicated InSIGHT-IQ software provides access to a variety of operations involving scanning, image processing, image optimization, display optimization, image analysis, kinetics analysis, 2-D and 3-D renderings, Z-quantitation, and systems management. **Meridian Instruments, Inc.,** 2310 Science Pkwy., Okemos, MI 48864, USA.

Multicalc® Site software integrates Local Area Network (LAN) systems and real-time interaction with **Laboratory Information Management Systems (LIMS)**, offering unparalleled flexibility in data handling and control. Because Multicalc Site interfaces with most laboratory instruments—including liquid scintillation counters, gamma counters, luminometers, fluorometers, plate readers, and pipetting stations—it allows the user to control all data flow with just one software system. It also permits multiple instrument connections to one computer station. Multicalc Site works directly on DOS® and OS/2®-based local area networks, including Novell® Netware 3.11, DECNET® Pathworks (PC-VAX), OS/2® LAN Manager and Artisoft® LANtastic. **Wallac Inc.,** 9238 Gaither Rd., Gaithersburg, MD 20877, USA.

PL Caliber™ is dedicated GPC/SEC software. Version 5.2 can perform low-angle light scattering (LALS) analysis. This allows a more complete GPC/polymer characterization software package, which is compatible with all low angle systems. A "file browser" feature gives quick and easy access and search facilities for any group of files. It also permits archiving. Collection is now possible from up to 10 independent channels, or 5 dual channels. Synchronized RI/UV detection is also possible, with two sets of data displayed on a common time axis. Ten channels of data collection facilitate simple networking using Windows™ for Work Groups. Links to third-party software have been improved with import/export routines for raw data, results, and distribution information. PL Caliber™ GPC/SEC software, with LALLS facility, requires only a 486 computer and MB memory. **Polymer Laboratories Inc.,** Separation Science Division, Amherst Fields Research Park, 160 Old Farm Rd., Amherst, MA 01002, USA.

AcqKnowledge 3.0 for Macintosh is analysis software that works with BIOPAC's line of physiological monitoring equipment to provide a seamless and powerful tool for scientists doing human and animal physiology research. Modular signal conditioning amplifiers allow easy acquisition of most physiological signals such as EEG (brain activity), ECG (heart), respiration, skin conductance, muscle activity, and eye movement. New features include real-time digital filtering, histograms, multiple acquisition experiments in a single file, automatic timed file saving, bar graph indicators, XY plotting, complex expression evaluator, easy access tool bar and a powerful stimulus signal creation screen. **BIOPAC Systems, Inc.,** 275 South Orange Ave., Suite E, Goleta, CA 93117, USA.

The new CDS Analytical 2000 Plus Pyroprobe can interface with any personal computer for a complete PC-based control system. It offers unlimited programming for PC-based configuration, multiple method scheduling, and acts as a single-step controller for GC, GCMS, and FTIR, as well as the pyroprobe. Microprocessor controlled, the 2000 Plus multiple-step temperature programs permit analyses such as dynamic headspace and pyrolysis polymers, sequential pyrolyses, analysis of geochemical samples, investigation of degradation mechanisms, and outgassing and degassing studies. Rates can be programmed in degrees per millisecond, second, or minute, as low as 0.01°C/minute, and to create methods using as many as five independent steps. This flexibility allows complete temperature control. When integrated with a Hewlett Packard or any MSDOS Windows-based PC application package, complete data collection and analysis are possible. **CDS Analytical, Inc.,** P.O. Box 277, Oxford, PA 19363, USA.
NEW PRODUCTS & LITERATURE

Literature

The 1994 Hoefer Scientific Instrument catalog announces the most comprehensive line of electrophoretic equipment on the market: quality instruments and applications for horizontal submarine electrophoresis; isoelectric focusing; nucleic acid sequencing; preparative electrophoresing; vertical slab gel units; and two-dimensional systems. Related instruments include those for blotting and hybridization, densitometry, filtration, fluorometry, gel dryers, gradient makers, and UV light tables. Hoefer Scientific Instruments, 654 Minnesota St., San Francisco, CA 94107-3027, USA.

Cel-Line's catalog features the company's line of HTCC®-coated microscope slides. The proprietary, hydrophobic coating prevents cross-contamination and increases microliter capacity. HTC Super Cured® slides provide the added benefit of a wettable glass surface for enhanced cell attachment and spreading capabilities within the well. HTC slides are autoclavable, are offered with frosted or printed ends, and come in seven standard colors. Well configurations of 1-80 are also available. Cel-Line Associates, Inc., PO. Box 35, Newfield, NJ 08344, USA.

A 1994 catalog from Integrated Separation Systems features expanded protein electrophoresis and molecular biology sections as well as new types of precast polyacrylamide gels, fully automated nucleic acid extraction systems, thermocyclers, hybridization ovens, vacuum pumps, power supplies, stains, reagents, and sample handling accessories. A section entitled "Gel Scanning Software" is devoted to all software packages offered by ISS for protein and nucleic acid analysis. Integrated Separation Systems, 21 Strathmore Rd., Natick, MA 01760, USA.

The 1994 catalog from Novocastra Laboratories features a broad range of monoclonal and polyclonal antibodies for use in immunohistochemistry and flow cytometry and introduces nucleic acid probes for in situ hybridization. A novel synthetic immunogen technology is used to produce monoclonal antibodies of the highest quality. New monoclonals include an antibody against estrogen receptor for use in paraffin-embedded sections; an expanded range of anti-cytokeratins and anti-lymphoid markers; antibodies against oncoproteins and tumor antigens; and antibodies to viral proteins, cellular adhesion molecules, extracellular matrix proteins, neural tissue antigens, cellular proliferation markers and hormones. Vector Laboratories, Inc. 30 Ingold Rd., Burlington, MA 94010, USA.

Whatman LabSales 1994 catalog features the NEW ACCU-LAB® Series of electronic digital balances. Advances in both electronic and modular designs yield exceptional accuracy and good value. The Pocket Pro-150 Series of portable, hand-held balances is available in the NEW GS-Series balances which offer exceptional accuracy with more features, an excellent value, and the V-Series which offers a variety of ruggedly designed models with enhanced software for improved overall performance. The VA-Series offers a selection of capacity and accuracy functions in a sophisticated design. The VA-4000 makes percentage weighing, sorting, and filling easy with an LED slide scale display. Whatman LabSales Inc., 5285 N.E. Elam Young Pkwy., Suite A-400, Hillsboro, OR 97124, USA.

A brochure outlining a comprehensive validation program to help customers comply with the expanding requirements of the regulatory process for Good Manufacturing Practices (GMP), Good Laboratory Practices (GLP), Good Automated Laboratory Practices (GALP), and ISO 9000 is now available. The validation program extends from product development and computer validation to HPLC instruments and columns and chemistries. All HPLC products are validated at the factory and each product is functionally validated and shipped with a Certificate of Validation. Qualification protocols are available for installation, operation, and preventative maintenance and calibration. Millipore, Waters Chromatography Division, 34 Maple St., Milford, MA 01757-3696 USA.

A TLC (thin layer chromatography) full-color, glassware brochure highlights an expanded line of TLC sprayers, developing tanks, and accessories. KONTES TLC sprayers provide a uniform spray mist of visualization reagents for both thin layer and paper chromatography. Every sprayer has consistent spray patterns that are free of damaging droplets. Developing tanks are clear glass and provide easy viewing of TLC plates up to 20 x 20 cm in size. An interior bottom ridge allows simultaneous development of two 20 x 20 cm or four 5 x 20 cm plates. Tank lids come in standard, nonslip, and latch styles. Other products in the brochure include multiplate rack, cylindrical developing tanks, recovery tubes, plate streaker, labeling template, and spotting capillaries. KONTES Glass Co., 1022 Spruce St., Vineland, NJ 08360, USA.

The 3rd edition of the ATCC Catalogue of Recombinant DNA Materials, 1993, is a 150-page publication that 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; Saccharomyces cerevisiae genomic clone maps, and constructs with special applications. Over 3,200 different recombinant DNA items are listed. Probes, clones and chromosome-specific libraries from the human and mouse genomes are listed in a companion catalog, "ATCC/NIH Repository of Human and Mouse DNA Probes and Libraries Catalogue," (7th edition, 1993). ATCC Catalogues, 12301 Parklawn Dr., Rockville, MD 20852, USA.
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