Membership in the Federation of American Societies for Experimental Biology and in Its Constituent Societies

Membership in the Federation is limited to societies; there is no individual membership. Any society in the field of biological science may apply for membership, either corporate or affiliate, and may be admitted by a three-fourths majority vote of all members of the Federation Board. The societies listed below presently constitute the Federation.

Since requirements and procedures for election to membership in the member societies vary, the following information is provided:

Corporate Members

The American Physiological Society. Any resident of the Americas who conducts and has published meritorious original research in physiology shall be eligible for proposal for Regular membership. Residents of The Americas who are engaged in research in physiology or related fields and/or teaching physiology shall be eligible for proposal for Associate membership. Residents outside of The Americas who conduct and have published meritorious original research in physiology shall be eligible for proposal for Corresponding membership. Individuals must apply in writing on forms provided by the Society. Two Regular members must sponsor a candidate for membership. Emeritus members also can be sponsors of new members. A Corresponding or Honorary member of the Society may substitute for a Regular member in sponsoring a candidate for Corresponding membership. Council nominates candidates who stand for election by the vote of Regular members at business meetings of the Society. Other classes of membership include Honorary, Emeritus, Associate, Associate Corresponding, Student, and Sustaining Associate.

Further information and nomination forms are printed in THE PHYSIOLOGIST and are available from the APS Membership Services Department, 9650 Rockville Pike, Bethesda, MD 20814.

American Society for Biochemistry and Molecular Biology. Investigators residing in the Americas who have demonstrated the ability to conduct meritorious original research in biochemistry or molecular biology are eligible for Regular membership. Such individuals must be nominated by two Regular members of the Society and, if favorably recommended to the Council by the Membership Committee, will be elected at any regular meeting of the Society. Individuals not yet fulfilling the requirements for Regular membership may be nominated by two Regular members for Associate membership. Nominees for Associate membership become members immediately on nomination. Eminent biochemists residing in countries other than the Americas may be nominated for Honorary membership. Individuals not otherwise eligible for any type of membership, but who have made significant contributions through service to biochemistry or molecular biology are eligible for designation as a Distinguished Service Associate. Nomination forms and specific nomination criteria may be obtained from ASBMB Membership Secretary, 9650 Rockville Pike, Bethesda, MD 20814.

American Society for Pharmacology and Experimental Therapeutics. Any qualified investigator who has conducted and published a meritorious original investigation in pharmacology and is a legal resident of the United States, its dependencies, Canada, or Mexico shall be eligible for Regular membership in the Society. Nominees for membership shall be proposed by two members of the Society who are not members of the Council or of the Membership Committee at the time of the initial nomination. Other classes of membership include Affiliate and Student/Fellow, which are for pharmacologists who are either residents of a country other than the USA, Canada or Mexico, are not now active in research, or who are advanced students or are fewer than 5 years past their doctoral degree. Nomination forms are printed in THE PHARMACOLOGIST and are available from MRS. KAY A. CROKER, Executive Officer, 9650 Rockville Pike, Bethesda, MD 20814.

American Association of Pathologists. Successful candidates for membership in the AAP are independent investigators with solid scientific qualifications, commitment and continuing productivity in experimental pathology or related disciplines. Not all members are pathologists, but are investigators with a strong interest in the pathogenesis and diagnosis of disease. Candidates are nominated by at least two members of the Association for approval by the Council and a majority of members attending the annual AAP Business Meeting. Nominations for Trainee membership (residents or fellows) are accepted from AAP members who can certify the training status of the nominee. Additional information and application forms may be obtained from DR. FRANCES A. PITTLICK, Executive Officer, 9650 Rockville Pike, Bethesda, MD 20814.

American Institute of Nutrition. Any person who has conducted and published meritorious original investigations in some phase of nutrition and who is professionally active in the field of nutrition shall be eligible for Active membership. Persons rendering superior service to nutrition through teaching, administration, or technical service may also be deemed eligible. Nominees shall be sponsored by two members of the Institute. Nominations should be received by February 1, and those nominations approved by Council will be presented for election at the annual business meeting. Other classes of individual membership include Associate, Emeritus, and Student. Membership in the American Society for Clinical Nutrition, the Clinical Division of the AIN, is based on professional activities in the area of clinical nutrition. All nominees for ASCN membership must be members of AIN or be considered for election simultaneously. AIN/ASCN nomination forms are available from the AIN Secretariat, 9650 Rockville Pike, Bethesda, MD 20814.

The American Association of Immunologists. Investigators qualified by virtue of a doctorate degree or equivalent experience and training who have conducted and published meritorious original investigations in immunology or related disciplines are eligible for membership. Candidates must be nominated by two members of the Association. The recommendations of a membership committee are submitted for election by the membership at the annual spring meeting. For application forms write to DR. JOSEPH F. SAUNDERS, Executive Director, 9650 Rockville Pike, Bethesda, MD 20814.

Affiliate Member

The American Society for Cell Biology. To be considered for Regular membership, an applicant must hold the Ph.D. or equivalent degree or have equivalent experience, and be sponsored by two Regular or Emeritus members. Other classes of membership are Emeritus and Student. Further information and forms may be obtained from MS. DOROTHEA C. WILSON, Executive Officer, 9650 Rockville Pike, Bethesda, MD 20814.

Revised August 1989
The FJ calendar lists open meetings of a biological topic occurring anywhere in the world. Because of deadline restrictions, we list only meetings taking place more than 3 months after we receive an announcement. Meetings, symposia, and workshops will be included up to 2 years in advance of receipt; international congresses are included up to 3 years in advance. If you would like us to announce your meeting in The FASEB Journal, please include the date and year of the meeting, its title and location, and a contact name and address and send it to FJ Calendar, The FASEB Journal, FASEB, 9650 Rockville Pike, Bethesda, MD 20814 USA.

A comprehensive FJ Calendar is published 4 times a year (January, April, July, and October). New listings appear in the other months. FJ denotes new listing.

APRIL 1990

17-20 American Type Culture Collection Workshop on Cell Culture and Hybrids, Maryland, USA. Doug Drabkowski, ATCC, 12301 Parklawn Dr., Rockville, MD 20852, USA.

17-23 Cell and Molecular Aspects of the Developing Nervous System, Padre Island, Texas, USA. UCLA Symposia, 2032 Armacost Ave., Los Angeles, CA 90025, USA.

17-23 Molecular Biology of Neurotransmitters and Their Receptors, Padre Island, Texas, USA. UCLA Symposia, 2032 Armacost Ave., Los Angeles, CA 90025, USA.

17-23 Molecular Neurobiology, Padre Island, Texas, USA. UCLA Symposia, 2032 Armacost Ave., Los Angeles, CA 90025, USA.

17-23 Neurotrophic Factors, Padre Island, Texas, USA. UCLA Symposia, 2032 Armacost Ave., Los Angeles, CA 90025, USA.

18-19 The Jeffrey Modell Immune deficiency Symposium: New Concepts in Immune Deficiency Disease, New York, New York. Director, The Page and William Black Post-Graduate School of Medicine, Mount Sinai School of Medicine, One Gustave L. Levy Pl., Box 1193, New York, NY 10029, USA.

18-20 First International Conference on Human Antibodies and Hybrids, Grosvenor Resort Hotel, Lake Buena Vista, Florida, USA. Susan L. Patterson, Conference Organizer, Human Antibodies and Hybrids, Butterworth Publishers, 80 Montvale Ave., Stoneham, MA 02180, USA.

22-27 American Chemical Society, Boston, Massachusetts, USA. ACS Meetings Dept., 1155 16th St. NW, Washington, DC 20036, USA.

23-25 Tuberous Sclerosis and Allied Disorders, Bethesda, Maryland, USA. Conference Dept., The New York Academy of Sciences, 2 E. 63rd St., New York, NY 10021, USA.

24 Seventh Annual Symposium on Recent Advances in Biochemistry and Immunology of Tropical Diseases, Nashville, Tennessee, USA. Dr. George C. Hill, Meharry Medical College, Nashville, Tennessee, USA. Dr. George C. Hill, Meharry Med. Coll., Div. of Biomedical Sciences, 1005 D. B. Todd Jr. Blvd., Nashville, TN 37208, USA.


24-27 Bioreactors for Cell Culture Workshop, Penn State Biotechnology Institute and Bioprocessing Resource Center, University Park, Pennsylvania, USA. Jim Shillenn, 519 Wartik Lab, University Park, PA 16802, USA.

26-27 1990 Public Health Nutrition Update, The University of North Carolina at Chapel Hill, Phyllis Woody, Office of Continuing Education, UNC School of Public Health, CB# 8165, Chapel Hill, NC 27599-8165, USA.

29 Apr. International Glycobiology Symposium, Bethesda, Maryland, USA. Nancy Jensen, Dionex Corp., PO. Box 3603, Sunnyvale, CA 94088-3603, USA.

30 Apr. Eighth Annual American Type Culture Collection Biotechnology Patent Conference, Rockville, Maryland, USA. Doug Drabkowski, ATCC, 12301 Parklawn Dr., Rockville, MD 20852, USA.

MAY 1990

2-4 Hyperlipidemia in Childhood and the Development of Athero-

sclerosis, Hyatt Regency, Bethesda, Maryland, USA. Conference Dept., The New York Academy of Sciences, 2 E. 63rd St., New York, NY 10021, USA.


3-7 Fifth International Interdisciplinary Conference on Hypertension in Blacks, Ramada Renaissance Hotel, Long Beach, California, USA. International Society on Hypertension in Blacks, 69 Butler St., SE, Atlanta, GA 30303, USA.

5 Third Annual Hans Popper Hepatopathology Update 1990, Swan N. Thung, M.D., Dept. of Pathology, Mt. Sinai School of Medicine, One Gustave L. Levy Pl., New York, NY 10029, USA.

8-11 12th International Conference on Biochemical Analysis Biochemische Analytik 90, Munich, FRG. Dr. H. Feldmann, Institut fur Physiologische Chemie der Universitat, Goethestrasse 33, D-8000 Munchen 2, FRG.


9-11 International Life Sciences Institute-Nutrition Foundation Conference on Thirst: Physiological and Psychological Aspects, Ramada Renaissance Hotel, Washington, DC, USA. Ms. Lili Merritt, ILSI, 1126 Sixteenth St., NW, Washington, DC 20036, USA.


14-15 The 1990 NDA Pipeline Conference, Omni Shoreham Hotel, Washington, DC, USA. IBC USA Conferences, Inc., 8 Pleasant St., Bldg. D., S. Natick, MA 01760, USA.


15-18 Mammalian Cell Culture Method Workshop, Penn State Biotechnology Institute and Bioprocessing Resource Center, University Park, Pennsylvania, USA. Jim Shillenn, 519 Warrick Lab., University Park, PA 16802, USA.

16-18 Pulmonary Emphysema and the Protease-Antiprotease Hypothesis: The Rationale for Therapeutic Intervention, Orlando, Florida, USA. Dr. George Weinbaum, The Graduate Hospital, 415 S. 19th St., Philadelphia, PA 19146, USA.

16-18 International Symposium on the Neurobiology of the Locus Coeruleus, Tempe’s Resort Hotel, Post Falls, Idaho, USA. Dr. Charles D. Barnes, Dept. of VCAPP, Wash. St. U., Pullman, WA 99164-6520, USA.

16-19 First International Symposium on Metal Ions in Biology and Medicine, Reims, France. Dr. Phillipe Collery, Hopital Maison Blanche, 45, rue Cognacq Jay 51092 Reims Cedex, France.

20-23 Society for Biomaterials 16th Annual Meeting, The Omni Hotel, Charleston, South Carolina, USA. Rosealee M. Lee, Society for Biomaterials, 1304 E. Chicago St., Ste. 500, Algonquin, IL 60001, USA.

20-25 7th International Symposium on Trace Elements in Man and Animals, Dubrovnik, Yugoslavia. TEMA International Secretariat, Rowett Research Institute, Bucksburn, Aberdeen AB2 9SB, UK.

20-25 International Symposium on Liquid Chromatography, Boston, Massachusetts, USA. Shirley Schlessinger, Symposium Mgr., 400 E. Randolph St., Suite 1015, Chicago, IL 60601, USA.

21-23 Texas Symposium on Mass Spectrometry V: New Trends in Biopolymer Analysis, Texas A&M University, College Station, Texas, USA. Dr. Catherine McNeal, Dept. of Chem., Texas A&M U., College Station, TX 77843-3255, USA.

21-23 9th Stony Brook Symposium on “Mechanism of Normal and Abnormal Cellular Growth and Differentiation,” State University of New York, Stony Brook, New York, USA. Biochemistry Dept., State U. of N.Y., Stony Brook, NY 11794-5215, USA.

21-25 8th Balcan Biochemical and Biophysical Days, Chuj-Napoca, Romania. Dr. V. V. Morarui, Inst. of Isotopic and Molecular Technology, PO. Box 700, R-3400 Chuj-Napoca, Romania.

23-25 American Type Culture Collection Workshop on Freezing and Freeze-Drying on Microorganisms, Rockville, Maryland, USA. Doug Drabkowski, ATCC, 12301 Parklawn Dr., Rockville, MD 20852, USA.

23-26 Eighty-First Annual Meeting of the American Association for Cancer Research, Washington, DC, USA. Margaret Foti, Executive Director, AACR, Temple U. Sch. of Med., West Bldg., Rm. 301, Broad and Tioga Sts., Philadelphia, PA 19140, USA.


28-29 International Symposium on Amino Acids as Neurotransmitters, University of British Columbia, Vancouver, B. C. Canada. Dr. J. R. Ledosome, Dept. of Physiology, 2146 Health Sciences, Vancouver, B.C., Canada, V6T 1W5.

29 May 7th International Conference on Prostaglandins and Related Compounds, Florence, Italy. Organizing Secretariat, Fondazione Giovanni Lorenzini, Via Monte Napoleone, 23, 20121 Milan, Italy.

29 May 7th International Conference on Prostaglandins and Related Compounds, Florence, Italy. Organizing Secretariat, Fondazione Giovanni Lorenzini, Via Monte Napoleone, 23 - 20121 Milan, Italy.


30 Third International Conference on Cerebro-Lipofuscinoses (Batten Disease), Airport Hilton Inn, Indianapolis, Indiana. Aristotle N. Siakotos, Ph.D., Dept. of Pathology, Indiana U. Med. Ctr., 635 Barnhill Dr., Indianapolis, IN 46223, USA.

JUNE 1990

3-7 ASMB/AAL Annual Meeting, New Orleans, Louisiana, USA. Charles C. Hancock, ASMB, 9650 Rockville Pike, Bethesda, MD 20814, USA.

4-8 American Type Culture Collection Workshop on Recombinant DNA: Techniques and Application, Rockville, Maryland, USA. Doug Drabkowski, ATCC, 12301 Parklawn Dr., Rockville, MD 20852, USA.

4 The Veterinary Immunology Committee/Emma association of Immunologists Annual Meeting—Immunology of Domestic Animals and Birds: MHC, Differentiation Antigens and Cytokines, New Orleans, Louisiana. Dr. Ota Bara, Chrmn., VIC/AAI, VPI and State U., Blacksburg, VA 24061-0442, USA.

4-6 31st Annual Medical Chemistry Symposium: Enzyme Structure and Mechanism as a Basis for Drug Design, Dr. Thomas I. Kalman, State U. of New York, 457 Cooke Hall, Buffalo, NY 14260, USA.

5-8 Bioseparations: Scale-up and Design Workshop, Penn State Biotechnology Institute and Bioprocessing Resource Center, University Park, Pennsylvania, USA. Jim Shillenn, 519 Warrick Lab., University Park, PA 16802, USA.

7-9 International Conference on Chirality, Sheraton Resort, Cancun, Mexico. Ms. Mary Jo Richards, Dept. of Chemistry, U. of Missouri-Rolla, Rolla, MO 65401, USA.

10-15 Neural Mechanisms in Cardiovascular Regulation, FASEB Summer Research Conferences, Saxtons River, Vermont, USA. Marilyn Marsh, FASEB Summer Research Conferences, 9650 Rockville Pike, Bethesda, MD 20814, USA.

11-14 4th Annual Seminar on Analytical Biotechnology, Gateway Marriott Hotel, Arlington, Virginia, USA. Mrs. Janet Cunningham, Barr Enterprises, P.O. Box 279, Walkersville, MD 21793, USA.


11-15 American Type Culture Collection Workshop on Recombinant DNA: Techniques and Applications, Rockville, Maryland, USA. Doub Drabkowski, ATCC, 12301 Parklawn Dr., Rockville, MD 20852, USA.


17-22 Retinoids, FASEB Summer Research Conferences, Saxtons River, Vermont, USA. Marilyn Marsh, FASEB Summer Research Conferences, 9650 Rockville Pike, Bethesda, MD 20814, USA.

18-20 Fourth International Antiviral Symposium: Clinical, Pharmacological and Basic Aspects, Taipei, Taiwan. Dr. Jen-Yan Chan, Dept. of Microbiology, Med. Sch., Taiwan National U., Taipei, Taiwan, or Dr. Yung-chi Cheng, Yale U. School of Med., Dept. of Pharmacology, Sterling Hall of Med., 333 Cedar St., PO. Box 3333, New Haven, CT 06510-8066, USA.

20-21 Corn Utilization Conference III, St. Louis Airport Marriott, St. Louis, Missouri, USA. Ann Beine, NCGA, 1000 Executive Pkwy., Ste. 105, St. Louis, MO 63141-6397, USA.

20-23 Endocrine Society's 72nd Annual Meeting, Georgia World Congress Center, Atlanta, Georgia, USA. Ann Singer, The Endocrine Society, 9650 Rockville Pike, Bethesda, MD 20814, USA.

21-22 Third International Colloquium on Centrifugal Partition Chromatography, DunFey's Hotel, San Mateo, California, USA. Ms. Eleanor Cazes, Sanki Labs., Inc., 106 Folcroft E. Business Park, Sharon Hill, PA 19079, USA.

21-23 Ottawa Symposium on Atrial Natriuretic Factor: A Decade of ANF Research, Ottawa Civic Hospital, Canada. Adolfo J. DeBold, Ph.D., Rm. H245, U. of Ottawa Heart Inst., 400 Ruskin St., Ottawa, Ontario, Canada K1Y 4E9.

24 First Craigie Conference on Brain Capillaries, Toronto Canada. Dr. Paul M. Gross, Neurosurgical Research Unit, LaSalle Bldg., Queen's U., Kingston, Ontario, Canada K7L 3N5.

24-29 Protein Folding and Assembly in the Cell, FASEB Summer Research Conferences, Copper Mountain, Colorado, USA. Marilyn Marsh, FASEB Summer Research Conferences, 9650 Rockville Pike, Bethesda, MD 20814, USA.

24-29 Receptors, FASEB Summer Research Conferences, Saxtons River, Vermont, USA. Marilyn Marsh, FASEB Summer Conferences, 9650 Rockville Pike, Bethesda, MD 20814, USA.


25-29 VIIth International Symposium on Microsomes and Drug Oxidations, Stockholm, Sweden. Dr. Sten Orrenius, Dept. of Toxicology, Karolinska Inst., Doktorsringen 16, PO. Box 60400, S-104 01 Stockholm, Sweden.


JULY 1990

1-6 XIth IUPHAR International Congress of Pharmacology, Amsterdam, The Netherlands. 11th International Congress of Pharmacology, Organisatie Bureau Amsterdam bv, Europaplein 12, 1078 GZ Amsterdam, The Netherlands.

1-6 FC Receptors and Immunoglobulin Binding Factors, FASEB Summer Research Conferences, Copper Mountain, Colorado, USA. Marilyn Marsh, FASEB Summer Research Conferences, 9650 Rockville Pike, Bethesda, MD 20814, USA.

1-6 Biology of Tumor Metastases, FASEB Summer Research Conferences, Saxtons River, Vermont, USA. Marilyn Marsh, FASEB Summer Research Conferences, 9650 Rockville Pike, Bethesda, MD 20814, USA.


2-6 Third Gordon Research Conference on the Biochemistry and Molecular Biology of Methanogenic Bacteria, Plymouth State College, Plymouth, New Hampshire, USA. Dr. R. Gunsalus, Dept. of Microbiology, 5304 LS, UCLA, Los Angeles, CA 90024, USA.

4-6 Summer Meeting of the Nutrition Society, York, UK. Dr. A. M. Prentice, Dunn Nutrition Unit, Milton Rd., Cambridge CB4 1XJ, UK.

8-11 Marijuana '90, An International Conference on Cannabis and Cannabinoids, The Orthodoxy Academy of Crete, Kolymbari, Crete. Satellite meeting of XI International Congress of Pharmacology. Dr. Paul Consroe, Dept. of Pharmacology and Toxicology, Coll. of Pharmacy, U. of Arizona, Tucson, AZ 85721, USA.

8-12 VIIth International Symposium on Vascular Neuroeffector Mechanisms, Bonn, FRG. Prof. M. Goert, Institute for Pharmacology and Toxicology of the University, Reuterstrasse 2b, 5300 Bonn 1, FRG.

8-13 Regulation of Gene Expression, FASEB Summer Research Conferences, Copper Mountain, Colorado, USA. Marilyn Marsh, FASEB Summer Research Conferences, 9650 Rockville Pike, Bethesda, MD 20814, USA.

8-13 Autoimmunity, FASEB Summer Research Conferences, Saxtons River, Vermont, USA. Marilyn Marsh, FASEB Summer Research Conferences, 9650 Rockville Pike, Bethesda, MD 20814, USA.

8-13 5th European Congress on Biotechnology, Copenhagen, Denmark. CB-5, Spadille Congress Service, Sommervej 3, DK-3100 Hornbaek, Denmark.
9-10 Significance of Peripheral Dopaminergic System in Cardiovascular and Renal Function, Essen, FRG. Satellite meeting of XI International Congress of Pharmacology. Dr. O. E. Brodte, Medizinische Klinik and Poliklinik, U. of Essen, Hufelandstrasse 55, D-4300 Essen 1, FRG.

9-13 XIth Meeting of the Federation of European Connective Tissue Societies, Bialystok, Poland. Dr. Jerzy Palka, Medical Academy of Bialystok, Dept. of Biochemistry, ul. Mickiewicza 2, 15-230 Bialystok 8, Poland.


15-19 12th International CODATA Conference — Data for Discovery, Hyatt on Capitol Square Hotel, Columbus, Ohio, USA. Gerard O. Platou, CODATA 90, PO. Box 23, Amlin, OH 43002, USA.

15-20 10th International Symposium on Flavins and Flavoproteins, Como, Italy. Dr. Bruno Curti, Dept. of General Physiology and Biochemistry, U. of Milan, Via Celoria 26, 20133 Milan, Italy.

15-20 Structure and Function of Cell Membranes, FASEB Summer Research Conferences, Copper Mountain, Colorado, USA. Marilyn Marsh, FASEB Summer Research Conferences, 9650 Rockville Pike, Bethesda, MD 20814, USA.

15-20 Viral Assembly, FASEB Summer Research Conferences, Saxtons River, Vermont, USA. Marilyn Marsh, FASEB Summer Research Conferences, 9650 Rockville Pike, Bethesda, MD 20814, USA.

16-21 Design and Analysis of Scientific Experiments, Cambridge, Massachusetts, USA. Director of Summer Sessions, Massachusetts Institute of Technology, Room E19-356, Cambridge, MA 02139, USA.

18-20 Annual General Meeting of the Biochemical Society, Aberdeen, United Kingdom. Mr. Robert Dale or Ms. Marion Roberts, The Biochemical Society, 7 Warwick Court, London WC1R 5P, UK.


18-21 Substance P and Related Peptides: Cellular and Molecular Physiology, Worcester, Massachusetts, USA. Dr. Susan E. Leman, Dept. of Physiology, U. of Massachusetts Med. Center, 555 Lake Ave. N., Worcester, MA 01655, USA.

18-21 59th Annual Meeting of the Genetics Society of America, San Francisco Hilton, San Francisco, California, USA. Ms. Jean Franccze, Genetics Society of America, 9650 Rockville Pike, Bethesda, MD 20814, USA.

18-22 International Conference on the Biological Function of Glycosphingolipids, Santa Barbara Miramar Resort Hotel, Santa Barbara, California, USA. Glyn Dawson, Dept. of Pediatrics, Box 82, U. of Chicago, 5841 S. Maryland Ave., Chicago, IL 60637, USA.

18-28 NATO Advanced Study Institute on Vascular Endothelium: Physiological Basis of Clinical Problems, Corfu Hilton, Corfu, Greece. Dr. John D. Cartravas, Dept. of Pharmacology and Toxicology, Med. Coll. of Georgia, Augusta, GA 30912, USA.

22-27 Physiology and Pathophysiology of the Splanchnic Circulation, FASEB Summer Research Conferences, Copper Mountain, Colorado, USA. Marilyn Marsh, FASEB Summer Research Conferences, 9650 Rockville Pike, Bethesda, MD 20814, USA.

22-27 Synthesis and Function of Vitamin K-dependent Proteins, FASEB Summer Research Conferences, Saxtons River, Vermont, USA. Marilyn Marsh, FASEB Summer Research Conferences, 9650 Rockville Pike, Bethesda, MD 20814, USA.

23-27 International Union of Pure and Applied Biophysics Satellite Symposium on Expanding Frontiers in Polypeptide and Protein Structure, Whistler, British Columbia, Canada. Dr. V. Renugopalakrishnan, Enders-12, Orthopedic Research, Children's Hospital, 300 Longwood Ave., Boston, MA 02115, USA.


23-28 8th General Meeting of the European Society for Neurochemistry, Leipzig, GDR. Prof. D. Biesold, Dept. of Neurochemistry, Karl Marx U., Karl-Marx-Stadt-Str 50, 7036 Leipzig, GDR.

29 Jul.-2 Aug. 75th Anniversary Annual Meeting of the Ecological Society of America, Snowbird, Utah, USA. Dr. Marjorie M. Holland, The Ecological Society of America, Public Affairs Office, 9650 Rockville Pike, Bethesda, MD 20814, USA.

29 Jul.-3 Aug. 2nd National Medicinal Chemistry Symposium, Austin, Texas, USA. Dr. Laurence H. Hurley, U. of Tex. at Austin, College of Pharmacy, Drug Dynamics Inst., Austin, TX 78712-1074, USA.


29 Jul.-3 Aug. Hepatic Regeneration and Carcinogenesis: Molecular and Cellular Pathways, FASEB Summer Research Conferences, Copper Mountain, Colorado, USA. Marilyn Marsh, FASEB Summer Research Conferences, 9650 Rockville Pike, Bethesda, MD 20814, USA.

29 Jul.-3 Aug. Folic Acid, Vitamin B-12, and One Carbon Metabolism, FASEB Summer Research Conferences, Saxtons River, Vermont, USA. Marilyn Marsh, FASEB Summer Research Conferences, 9650 Rockville Pike, Bethesda, MD 20814, USA.
30 Jul. 7th International Congress of Immunology, Berlin, FRG. Dr. H. Kirchner, Deutsches Krebsforschungszentrum, Institut fur Virusforschung, Im Neuenheimer Feld 280, D-6900 Heidelberg, FRG.

AUGUST 1990

4-7 International Union of Pure and Applied Biophysics Satellite Meeting on Control of Charge Transfers in Cytochrome and Chlorophyll Complexes, Montreal, Quebec, Canada. Peter Nicholls, Dept. of Biological Sciences, Brock U., St. Catharines, Ontario, Canada L2S 3A1.

5-10 The Symposium for Innovation in Measurement Science, Geneva, New York. Dan Shellhammer, ISA, 67 Alexander Drive, PO Box 12277, Research Triangle Park, NC 27709, USA.

5-10 Protein Phosphatases, FASEB Summer Research Conferences, Copper Mountain, Colorado, USA. Marilyn Marsh, FASEB Summer Research Conferences, 9650 Rockville Pike, Bethesda, MD 20814, USA.

5-10 Yeast Chromosome Structure, Replication, and Segregation, FASEB Summer Research Conferences, Saxtons River, Vermont, USA. Marilyn Marsh, FASEB Summer Research Conferences, 9650 Rockville Pike, Bethesda, MD 20814, USA.

5-10 Third International Vasopressin Conference, Montpellier, France. Dr. Rex L. Jamison, U. of Rochester Sch. of Med. and Dentistry, 601 Elmwood Ave., PO Box MED, Rochester, NY 14642, USA.

6-10 Gordon Research Conference on Ion Channels, Wolfeboro, New Hampshire, USA. Gordon Research Conferences, U. of Rhode Island, Kingston, RI 02881, USA.

6-17 NATO Advanced Study Institute on Biological Signal Transduction, Spetsai, Greece. Dr. Elliott M. Ros, Dept. of Pharmacology, U. of Texas Southwestern Med. Center, 5523 Harry Hines Blvd., Dallas, TX 75235, USA.


8-11 Scientific Conferences on Experimental and Clinical Coronary Pathophysiology, Tamarron Resort, Durango, Colorado, USA. American Heart Association, 7320 Greenville Ave., Dallas, TX 75231, USA.


12-15 Sixth International Symposium on Cellular Endocrinology: Receptor-Mediated Stimulation of Phosphoinositide Metabolism and Protein Kinase C, Lake Placid, New York, USA. Dr. Gordon H. Sato, W. Alton Jones Cell Science Center, 10 Barn Rd., Lake Placid, NY 12946, USA.

12-16 American Society of Pharmacology and Experimental Therapeutics Annual Fall Meeting, Milwaukee, Wisconsin, USA. ASPET, 9650 Rockville Pike, Bethesda, MD 20814, USA.

12-17 Cellular and Molecular Genetics, FASEB Summer Research Conferences, Copper Mountain, Colorado, USA. Marilyn Marsh, FASEB Summer Research Conferences, 9650 Rockville Pike, Bethesda, MD 20814, USA.

12-17 Intestinal Lipid Absorption, Metabolism, and Transport, FASEB Summer Research Conferences, Saxtons River, Vermont, USA. Marilyn Marsh, FASEB Summer Research Conferences, 9650 Rockville Pike, Bethesda, MD 20814, USA.


14-17 American Tissue Type Culture Collection Workshop on Fermentation Microbiology, Rockville, Maryland, USA. Doug Drabkowski, ATCC, 12301 Parklawn Dr., Rockville, MD 20852, USA.


19-25 20th Meeting of the Federation of European Biochemical Societies, Budapest, Hungary. 20th FEBS Meeting Secretariat, Hungarian Biochemical Society, MTESZ, Budapest 1368, PO Box 240, Hungary.


24-26 Interdivisional Meeting of the International Union of Microbiological Societies, International Congress Center, Berlin, FRG. DER-Congress, Congress Organization, Augsburger Strasse 27, D-1000 Berlin 30, FRG.

26-28 The East-Coast Conference on Biomechanics, Old Westbury, Long Island, New York, USA. Dr. H. S. Ranu, Dept. of Biomechanics, NYCOM, New York Inst. of Technology, Old Westbury, NY 11568, USA.

26-31 VIIIth International Congress of Virology, International Congress Center, Berlin, FRG. DER Congress, Congress Organization, Augsburger Strasse 27, D-1000 Berlin 30, FRG.


26-31 First World Congress of Biomechanics, U. of California, San Diego, La Jolla, California, USA. Dr. G. W. Schmid-Schoenbein, AMES - Bioengineering, R-012, U. of California, San Diego, La Jolla, CA 92093, USA.


26-31 Triennial International Symposium on Biodeterioration and Biodegradation, Windsor, Ontario, Canada. Mary Hawkins, Biodeterioration 8, 10657 Galaxie, Ferndale, Michigan 48220-2133, USA.

29 Aug. Eleventh International Symposium on Biotelemetry, Yokohama International Conference Center, Yokohama, Japan. Secretariat, Dr. Akihiko Uchijima, Sch. of Science and Engineering, Waseda U., 3-4-1 Ohkubo, Shinjuku-ku, Tokyo 169, Japan.

SEPTEMBER 1990

2-6 38th Annual Meeting of the European Tissue Culture Society, London, United Kingdom. Dr. C. Wigley, Dept. of Anatomy, UMDA (Guy's Hospital), London Bridge, London SE1 9RT, UK.

2-7 34th Harden Conference on Free Radicals: Cell Growth, Disease and Repair Mechanisms, Wye College, Kent, UK.

2-7 Third European Congress on Cell Biology, Florence, Italy. Dr. M. Camatini, Dept. of Pharmacology and Biology, Via Vanvitelli 32, 20129 Milan, Italy.

2-7 3rd European Congress on Cell Biology, Firenze, Italy. Organizing Secretariat, O.I.C. Incentive, Viale Majno, 21, 20122 Milano, Italy.

4-7 12th International Subcellular Methodology Forum, University of Surrey, Guildford, United Kingdom. Dr. E. Reid, Guildford Academic Associates, 72 The Chase, Guildford GU2 5UL, UK.

6-7 Irish Group of the Nutrition Society, Sligo, Ireland. Dr. A. M. Prentice, Dunn Nutrition Unit, Milton Rd., Cambridge CB4 1XJ, UK.


7-9 5th Harden Discussion Meeting: Biochemistry and Physiology of Inorganic Phosphates, Aberystwyth, United Kingdom. Dr. Hartmut Wolrab, Boston Biomedical Research Inst., Dept. of Metabolic Regulation, 20 Stanford St., Boston, MA 02114, USA.

8 European Immunology 1990, Edinburgh, Scotland. Dr. Ruth Arnon, Dept. of Clinical Immunology, Weizmann Inst. of Science, 76 100 Rehovot, Israel.

9-14 5th International Symposium on the Molecular Genetics of Plant-Microbe Interactions, Interlaken, Switzerland. Prof. H. Hennecke, Mikrobiologisches Institut, Eugenio-Ische Technische Hochschule, ETH-Zentrum, CH-8092 Zurich, Switzerland.

9-14 10th International Thyroid Congress, Jerusalem, Israel. Secretariat, 10th International Thyroid Congress, P.O. Box 50006, Tel-Aviv, 61500, Israel.


10-14 Seventh International Conference on Human Tumor Markers, Kiev, Ukraine. Dr. G. D. Birchmeyer, International Academy of Tumor Marker Oncology, Schwarzspanierstrasse 15, A-1090 Vienna, Austria.

11-14 Sixth Phenothiazine Conference and Structurally Related Psychotropic Compounds, Pasadena Hilton, Pasadena, California, USA. Dr. Hendrick Keyzer, Chem. Dept., Calif. State U., 5151 State University Dr., Los Angeles, CA 90032, USA.


12-16 Workshop on Site-Specific Recombination and Transposition, Marine Biological Laboratory, Woods Hole, Massachusetts, USA. Dr. Nancy Kleckner, Fairchild Bldg., Harvard U., 7 Divinity Ave., Cambridge, MA 02138, USA.

13-15 Third International Symposium on Biliary Lithotripsy, Munich, West Germany. Mr. J. Steinberg, Secr. to Prof. Baumgartner, Dept. of Med. II. Klinikum Grosshadern, Marchioninistrasse 15, D-8000 Munich 70, FRG.


16-22 International Union of Microbiological Societies Congress on Bacteriology and Mycology, Osaka, Japan. Dr. Yosihumi Takeda, IUMS Congress, Dept. of Microbiology, Faculty of Medicine, Kyoto U., Yoshida, Konoe-cho, Sakyoko, Kyoto 606 Japan.

16-23 3rd European Congress on Cell Biology, Milan, Italy. Prof. Marina Camatini, Dept. of Biology, U. of Milan, via Celoria 26, 20133 Milan, Italy.


18-21 Bioreactors for Cell Culture Workshop, Penn State Biotechnology Institute and Bioprocessing Resource Center, University Park, Pennsylvania, USA. Jim Shillenn, 519 Wartik Lab., University Park, Pennsylvania, PA 16802, USA.

18-21 First International Symposium on Applications of HPLC in Enzyme Chemistry, Verona, Italy. Dr. Franco Tagliaro, Istituto di Medicina Legale, Universita di Verone, Policlinico di Borgo Roma, 37134 Verona, Italy.

20-22 First International Congress on Very Ultra Low Dosage, Bordeaux, France. Prof. Ch. Doutremepuich, Hematology Lab., U. of Bordeaux, Faculty of Pharmacy, 3, Place de la Victoire, 33076 Bordeaux, France.

20-22 International Symposium on Biochemical and Physiological Aspects of Muscle Fatigue, Universite Paris Val de Marne, Faculte de Medecine, 8, Rue du General Sarrail 94010 Creteil, France.

21-27 8th Symposium on the Chemistry of Nucleic Acid Components, Bechyner, Czechoslovakia. Dr. A. Holy, Inst. of Organic Chemistry and Biochemistry, Czechoslovak Academy of Sciences, Flemingovo 2, 166 10 Praha 6, Czechoslovakia.

23-27 5th International Conference of the Inflammation Research Association, Mountain Laurel Resort and Conference Center, White Haven, Pennsylvania, USA. Dr. Joan Chapdelaine, IRA Conference, Pharmakon Research International, Inc., P.O. Box 313, Waverly, PA 15471, USA.


24-26 International Symposium on Red Blood Cell Aging, Urbino, Italy. Dr. Mauro Magnani, Istituto Chimica Biologica, G. Fornaini, Universita degli Studi di Urbino, Via Safl, 2 60129 Urbino, Italy.

24-26 Genetics of Hearing Impairment, Sheraton Centre, New York, New York, USA. Conference Department, The N.Y. Academy of Sciences, 2 East 63rd St., New York, NY 10021, USA.


24-27 XVth Conference on Hormones & Cell Regulation, Mrs. M. C. Barker, Hormones & Cell Regulation Conference, Imperial Cancer Research Fund, P.O. Box 123, Lincoln's Inn Fields, London WC2A 3PX, UK.

25-27 International Conference on Periodontal Disease: Pathogens & Host Immune Responses, Senri Hankyo Hotel, Toyonaka City, Osaka, Japan. Dr. S. Hamada, Department of Oral Microbiology, Osaka University Faculty of Dentistry, Suita-Osaka, 565 Japan.


30 Sep. -3 Oct. Symposium 1990, Hotel del Coronado, San Diego, California, USA. c/o Century International, Inc., P.O. Box 493, Medfield, MA 02052-0493, USA.

OCTOBER 1990

1-2 International Society of Regulatory Toxicology and Pharmacology 5th Annual Meeting: What Can be Done to Improve Public Understanding of the Toxicological Process? Stouffer Concourse Hotel, Washington, D.C., USA. C. Jelleff Carr, Ph.D., 6546 Bellevue Dr., Columbia, MD 21046, USA.

1-3 Advances in the Understanding and Treatment of Asthma, London, UK. Prof. Priscilla J. Piper, c/o Medical Services Department, The Royal Society of Medicine, London, W1M 8AE, UK.

1-4 8th International Neurotoxicology Conference on Neurotoxins and Neurological Disorders: Experimental and Clinical Correlations, Excelsior Hotel, Little Rock, Arkansas, USA. Dr. Joan M. Cranmer, Neurotoxicology Lab., Dept. of Pediatrics #512, U. of Arkansas for Med. Sciences, Little Rock, AK 72205, USA.

2-5 Fermentation Methods and Scale-up Strategies Workshop, Penn State Biotechnology Institute and Bioprocessing Resource Center, University Park, Pennsylvania, USA. Jim Shillenn, 519 Wartik Lab., University Park, PA 16802, USA.


6-10 American Physiological Society Fall Meeting, Orlando, Florida, USA. Dr. Martin Frank, APS, 9650 Rockville Pike, Bethesda, MD 20814, USA.


10-12 Molecular Biology of Hormone Action in Endocrinology and Pharmacology, Milan, Italy. Organizing Secretariat, Fondazione Giovanni Lorenzini, Via Monte Napoleon, 23, 20121 Milano, Italy.


15-17 Calcium Entry and Action at the Presynaptic Nerve Terminal, Baltimore Marriott-Inner Harbor, Baltimore, Maryland, USA. Conf. Dept., NY Academy of Sciences, 2 E. 63rd St., New York, NY 10021, USA.

15-19 8th International Congress on Vitamin B, and Carbohydrate Metabolism, Osaka, Japan. Dr. T. Fukui, ISR, Osaka University Ibaraki, Osaka 567, Japan.

16-20 Third International Conference of Anticancer Research, Marathon, Greece. Dr. J. G. Delinasios, Anticancer Research, 5 Argyropoulou Street, Kato Patisia, Athens GR-1145, Greece.

21-25 Third North American International Society for the Study of Xenobiotics Meeting on Modern Perspectives in Xenobiotic Metabolism, Hotel del Coronado, San Diego, California, USA. Ms. Nancy Holahan, USSA Administrative Officer, P.O. Box 3, Cabin John, MD 20818, USA.
DECEMBER 1990


2-13 WHO/CRO Eighth International Laboratory Training Course in Molecular and Cellular Aspects in Immunology, The Weizmann Institute of Science, Rehovot, Israel. Zelig Eshhar, Dept. of Chem. Immunology, Weizmann Inst. of Science, Rehovot, 76100, Israel.

3-5 Analytical Molecular Biology Seminar, Stouffer Hotel, Baltimore, Maryland, USA. Mrs. Janet Cunningham, Barr Enterprises, P.O. Box 279, Walkersville, Maryland 21793, USA.

5-7 8th Symposium of the Federation of Asian and Oceanian Biochemists, Dhaka, Bangladesh. Secretariat, 8th FAOB Symposium, Bangladesh Biochemical Society, P.O. Box 4225, Dhaka 1000, Bangladesh.


10-12 Multiple Risk Factors in Cardiovascular Disease, Washington Hilton and Tower, Washington, D.C., USA. Dr. Marjorie G. Horning, Baylor College of Medicine, One Baylor Plaza, Houston, TX 77030, USA.

18-20 Birmingham Meeting of The Biochemical Society, Birmingham, U.K. Meetings Officer, The Biochemical Society, 7 Warwick Ct., London WC1R 5DP, UK.

FEBRUARY 1991

10-15 POLYMER 91 - IUPAC International Symposium, Monash U., Melbourne, Australia. Dr. G. B. Guise, Polymer 91, Royal Australian Chemical Inst., P.O. Box 224, Belmont, Victoria, 3216 Australia.

28 Feb. Sixth International Conference on Monoclonal Antibody Immunocojugates for Cancer, San Diego Marriott Hotel and Marina, San Diego, California, USA. Ms. Cass Jones, Professional Conference Management, Inc., 7916 Convoy Court, San Diego, CA 92111, USA.

MARCH 1991

6-8 First International Symposium on the Immunotherapy of the Rheumatic Diseases, London, UK. Prof. G. S. Panayi, Rheumatology Unit, United Med. and Den. Schools, Guy's Hospital, London SE1 9RT, UK.

24-29 Fourth International Reinhardt-Brunner Symposium on Circumventricular Organs, Circumventricular Organs and Brain Fluid Environment: Molecular and Function Aspects, Reinhardt-Brunner Castle, Thuringia, GDR. Dr. A. Ermisch, Section of Biosciences, Karl Marx U. Leipzig, Talstr. 33, DDR-7100 Leipzig, DGR.
APRIL 1991

10-12 Reading Meeting of The Biochemical Society, Reading, U.K. Meetings Officer, The Biochemical Society. 7 Warwick Ct., London WC1R 5DP, UK.

10-13 International Symposium of Pharmaceutical and Biomedical Analysis, Boston, Massachusetts. Shirley Schlesinger, Symposium Mgr., 400 E. Randolph St., Suite 1015, Chicago, IL 60601, USA.

14-19 75th Annual Meeting of the Federation of American Societies for Experimental Biology, Atlanta, Georgia, USA. FASEB Office of Scientific Meetings, 9650 Rockville Pike, Bethesda, MD 20814, USA.

15-19 International Conference on Environmental Pollution, Lisbon, Portugal. ICEP Conference Office, ICTR Secretariat, 11-12 Pall Mall, London SW1Y 5LU, K.

MAY 1991


15-18 Eighty-Second Annual Meeting of the American Association for Cancer Research, Houston, Texas, USA. Margaret Foti, Executive Director, AACR, Temple U. Sch. of Med., West Bldg., Rm. 301, Broad and Tioga Sts., Philadelphia, PA 19140, USA.

21-24 Third International Symposium on Resistance Atheros, Aarhus, Denmark. Dr. M. J. Mulvany, Dept. of Pharmacology, Aarhus U., University Park 240, 8000 Aarhus C., Denmark

28 May Constituent Congress of the International Society for Pathophysiology, Moscow, USSR. Dr. Vladimir S. Shinkarenko, Organizing Committee of the Constituent Congress of the International Society for Pathophysiology, Inst. of General Pathology and Pathological Physiology, USSR Academy of Medical Sciences, Baltyayskaya str. 8, Moscow 315, USSR.

JUNE 1991

16-21 7th International Conference on AIDS, Florence, Italy. G. Rossi, Istituto Superiore di Sanita, Dept. of Virology, Viale Regina Elena 299, 11061 Rome, Italy.

25-27 International Society of Arterial Chemoreceptors, Chieti University, Italy. Dr. Camillo DiGiulio, Prof. of Physiology, Sch. of Med., G. D'Annunzio U., Via Vestini 25, 66100 Chiet, Italy.


JULY 1991

7-12 7th International Conference on Surface and Colloid Science, Universite de Technologie, Compiègne, France. Prof. M. Clause, Secretariat of the 7th ICSCS, c/o Wagons-Lits Tourisme, 40 Rue Kléber, B.P. 244, 92307 Levallois-Perret, France.

16-19 Manchester Meeting of The Biochemical Society, Manchester, U.K. Meetings Officer, The Biochemical Society, 7 Warwick Ct., London WC1R 5DP, UK.

23-26 International Symposium on Recent Advance in Chemistry and Molecular Biology of Cancer Research (CMBC), Beijing, China. Prof. ZHENG Ouyiing, CMBC Secretary-General, Center for Chemistry and Bioengineering of Cancer, Beijing Polytechnic U., Beijing 100022, China.

AUGUST 1991

4-9 15th International Congress of Biochemistry, Jerusalem Convention Center, Hilton Complex, Jerusalem, Israel. 15th IUB Congress, P.O. Box 50006, Tel-Aviv 61500, Israel.

4-9 Fifth International Congress of The International Society of Developmental and Comparative Immunologists, Reed College, Portland, Oregon, USA. Dr. Laurens N. Ruben, Dept. of Biology, Reed College, Portland, OR 97202-8199, USA.

4-11 5th International Conference on Inorganic Biochemistry, Oxford, United Kingdom. Prof. C. D. Garner, Dept. of Chemistry, U. of Manchester, Manchester M13 9PL, UK.

25-30 3rd International Congress of Comparative Physiology and Biochemistry, Tokyo, Japan. Zoological Inst., Faculty of Science, U. of Tokyo, Hongo, Tokyo 112, Japan.

25-30 XIV International Congress of Allergology and Clinical Immunology, Kyoto International Conference Hall, Kyoto, Japan. Secretariat, c/o International Communications, Inc., Kashi Bldg., 2-14-9, Nihombashi, Chuo-ku, Tokyo 103 Japan.

SEPTEMBER 1991

1-7 International Union of Biological Sciences 24th General Assembly, Amsterdam, Netherlands, Prof. P. G. W. J. Van Oordt, Chairman, Biological Council, Royal Academy of Sciences, Kloveniersburgwal 29, Postbus 19121, 1000 GC Amsterdam, Pays-Bas.

4-6 Edinburgh Meeting of The Biochemical Society, Heriot Watt, Edinburgh, Scotland. Meetings Officer, The Biochemical Society, 7 Warwick Ct., London WC1R 5DP, UK.


9-10 Third International Symposium on Lipid Metabolism in the Normoxic and Ischemic Heart, Erasmus University Rotterdam, The Netherlands. Dr. Hans Stam, Erasmus U. Rotterdam, P.O. Box 1738, 3000 DR Rotterdam, The Netherlands.


15-21 14th Conference on Isoprenoids, Tabor, Czechoslovakia. Dr. J. Kohout, Institute of Organic Chemistry and Biochemistry, Czechoslovak Academy of Sciences, Flemingovo 2, 166 10 Prague 6, Czechoslovakia.
29 Sep. American Physiological Society
-3 Oct. Fall Meeting, San Antonio, Texas, USA. Dr. Martin Frank, APS, 9650 Rockville Pike, Bethesda, MD 20814, USA.

OCTOBER 1991
6-11 Eighth International Congress of Human Genetics, Washington, DC, USA. Dr. John J. Mulvihill, Secretary-General, ASHG, 9650 Rockville Pike, Bethesda, MD 20814, USA.

27 Oct. Third International Congress of Neuroimmunology, Jerusalem, Israel. Dr. Haim Ovadia, Dept. of Neurology, Hadassah U. Hospital, PO. Box 50006, Tel Aviv 61500, Israel.

JANUARY 1992

APRIL 1992
5-10 76th Annual Meeting of the Federation of American Societies for Experimental Biology, Anaheim, California, USA. FASEB Office of Scientific Meetings, 9650 Rockville Pike, Bethesda, MD 20814, USA.

JUNE 1992
29 Jun. Sixth International Congress of Toxicology, Rome, Italy. IUTOX, Dr. J. E. Gibson, Chemical Industry Inst. of Toxicology, P.O. Box 12137, Six Davis Dr., Research Triangle Park, NC 27709, USA.

JULY 1992
27-31 Fifth International Congress for Cell Biology, Madrid, Spain. Dr. F. J. Medina, Secretary General, Fifth International Congress for Cell Biology, Centro de Investigaciones Biologicas, Velazquez 144, 28006 Madrid, Spain.

AUGUST 1992

SEPTEMBER 1992
23-29 8th International Congress of Immunology, Budapest, Hungary. c/o IPV/INTERCONGRESS, H-1068 Budapest, Dozsa Gy. ut 84/a, Hungary.

MARCH 1993
28 Mar. 77th Annual Meeting of the Federation of American Societies for Experimental Biology, New Orleans, Louisiana, USA. FASEB Office of Scientific Meetings, 9650 Rockville Pike, Bethesda, MD 20814, USA.

JULY 1993
25-30 32nd International Congress of Physiological Sciences, Sheffield, UK. Prof. Denis Noble, IUPS 1993, Congress Secretariat, Dept. of Biomedical Science, The University, Sheffield S10 2TN, UK.

SEPTEMBER 1993
Beginning this month, the Calendar section introduces a new feature—a table of Society meetings that will be published quarterly with the full calendar. This new service will inform members of major meetings being held by FASEB's constituent Societies and affiliate Society that might be of interdisciplinary interest.

### SOCIETY EVENTS

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<td>ASBMB/AAI</td>
<td>Annual Meeting</td>
<td>May 1&lt;sup&gt;st&lt;/sup&gt;, 1990; May 18&lt;sup&gt;th&lt;/sup&gt;</td>
<td>New Orleans, Louisiana</td>
<td>Charles C. Hancock Executive Officer ASBMB 9650 Rockville Pike Bethesda, MD 20814 Tel: 301-530-7145 FAX: 301-571-1824</td>
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<td>Molecular Structure</td>
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<td>ASCB</td>
<td>Summer Research Conf.</td>
<td>August 1&lt;sup&gt;st&lt;/sup&gt;</td>
<td>San Diego, California</td>
<td>ASCB National Office 9650 Rockville Pike Bethesda, MD 20814 Tel: 301-530-7153 FAX: 301-530-7139</td>
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<td>Biology of Plant and Animal</td>
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<td>Extracellular Matrix</td>
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<td></td>
<td>Annual Meeting</td>
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<td>December 9-13, 1990</td>
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<td>ASPET</td>
<td>Annual Fall Meeting</td>
<td>May 1&lt;sup&gt;st&lt;/sup&gt;; June 29&lt;sup&gt;th&lt;/sup&gt;; June 18&lt;sup&gt;th&lt;/sup&gt; (Students); July 2&lt;sup&gt;nd&lt;/sup&gt; (Others)</td>
<td>Milwaukee, Wisconsin</td>
<td>Kay A. Crocker Executive Officer ASPET 9650 Rockville Pike Bethesda, MD 20814 Tel: 301-530-7060 FAX: 301-571-1855</td>
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<td>Endothelial Biology (Course)</td>
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<tr>
<td>APS</td>
<td>Annual Fall Meeting</td>
<td>June 1&lt;sup&gt;st&lt;/sup&gt;</td>
<td>Orlando, Florida</td>
<td>APS National Office 9650 Rockville Pike Bethesda, MD 20814 Tel: 301-530-7164 FAX: 301-571-1814</td>
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<td>Oct. 6-10, 1990</td>
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<tr>
<td>AAP</td>
<td>Concepts in Molecular Biology (course)</td>
<td>July 15&lt;sup&gt;th&lt;/sup&gt;</td>
<td>Bethesda, Maryland</td>
<td>AAP National Office 9650 Rockville Pike Bethesda, MD 20814 Tel: 301-530-7130 FAX: 301-571-1855</td>
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<td>Nov. 1-4, 1990</td>
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*Abstract, Advance Registration, Housing, Placement Service*


System for automated DNA analysis. Applied Biosystems has introduced a second-generation, fully automated DNA Sequencer, the Model 373A, offering greater ease-of-use, faster analysis time, and longer runs, as well as compatibility with all widely used manual DNA sequencing approaches, such as “gene walking” and “deletion cloning.” It features an Apple Macintosh® IIcx computer and computerized tutorial.

The Model 373A handles approximately 500 bases per sample and analyzes as many as 24 samples in a single run with unequaled accuracy. When electrophoresis is complete, the data can be displayed in real-time on the computer screen in a choice of formats. It allows for the use of single-stranded, double-stranded or PCR-generated templates; all of the popular enzymes (TAQ, Klenow or T7 Polymerase); and dye-labelled terminators or primers. Circle 60 on Reader Service Card.

Smallest commercially available osmotic pump. ALZA Corporation has available a new, longer duration model of its smallest (100 ul), implantable ALZET® osmotic pump. The Model 1007D micro-osmotic pump, which pumps at 0.5 ul per hour for 7 days, was developed to meet researchers’ need for an implantable pump capable of delivering a variety of bioactive compounds to laboratory research animals weighing as little as 10 gm.

Only 17 mm long and weighing just 350 mg (empty), the Model 1007D is the smallest commercially available infusion pump. The model permits 1-week delivery of peptides, growth factors, cytokines, or other bioengineered molecules used in neuroscience, immunology, or cancer research. Researchers working with fish, amphibians, and birds can chronically deliver substances in a restricted environment by using these miniature tools. These small pumps are a preferred way of minimizing the stress of chronic dosing regimens, and their continuous delivery allows the effects of short half-life agents to develop fully and reproducibly. Circle 64 on Reader Service Card.

Air gel-drying system. Easy Breeze can dry as many as six 20 x 20 cm gels or twenty-four 8 x 10 cm gels at a time. Compact, 12" wide x 18½" long x 9½" high, the Easy Breeze oven takes up little bench space. The Hoefer gel frames hold gels taut and free of wrinkles or other surface irregularities. Each gel frame holds one 20 x 20 cm standard gel or four mini gels on clear cellophane. Gels generally dry in 2-3 hours. Circle 50 on Reader Service Card.

Kits for double-stranded DNA analysis using capillary electrophoresis. Applies Biosystems introduces SepraGene™ 500 and SepraGene™ 5000, two kits four double-stranded DNA analysis by capillary electrophoresis, eliminating the need for slab gels. These kits provide a fast and accurate method for determining the size of unknown fragments and concentrations using no more than 10NL of sample. Quantitative data can be obtained in less than 15 minutes.

The SepraGene™ 500 kit is formulated to separate double-stranded DNA fragments in the 100 to 1000 base pair range (500 base pair being optimal), while the SepraGene™ 5000 kit is used for double-stranded DNA in the 1000 to 7000 base pair range (5000 base pair being optimal). As many as 500 analyses can be performed with each kit. Circle 62 on Reader Service Card.
Six-place hot plate/magnetic stirrer. The Mistral Pyro-Magnestir, Model 1268, also from LAB-LINE, features a maximum temperature of 320°C and maximum speed of 1200 rpm. Pilot lights indicate when the unit is heating and stirring. Model 1268 accommodates up to six, 1000 ml flasks or beakers and has a separate on/off switch to maintain accurate, reproducible settings. Circle 55 on Reader Service Card.

DNA extraction. Applied Biosystems has introduced a DNA Extraction Kit for use with its Model 340A Nucleic Acid Extractor introduced in 1986. This instrument-reagent system automates DNA and RNA extraction through the interaction of hardware, software and chemistry. The new kit further simplifies the extraction process by enabling the researcher to purchase with one part number the necessary supplies for up to 150 extractions. The chemistry is based on proven phenol chloroform methods. Circle 68 on Reader Service Card.

Data acquisition hardware for Macintosh. The MacLab/8 is a self-contained, fully software configurable data acquisition hardware platform which connects to the Apple Macintosh computer. When used in conjunction with MacLab™ software packages, the MacLab/8 hardware turns the Macintosh into a versatile laboratory instrument. MacLab/8 files can be exported to any of the statistical, graphing, spreadsheet, and page layout programs available on the Macintosh for analysis, evaluation, and the production of professional reports and sophisticated desktop presentations. Circle 67 on Reader Service Card.

Refractive index detector. Spectra-Physics offers a refractive index (RI) detector that significantly improves detection limits—the Shodex SE-61. With an exceptionally wide RI range from 1.00 to 1.75, the SE-61 detector supports more applications than ever before. Detection limits of <1 μg/mL for sugars in water make its sensitivity unmatched among RI detectors. The signal-to-noise ratio is excellent. Modern design makes the detector smaller and compact to save benchtop space. Circle 66 on Reader Service Card.

Literature

Biochimica et Biophysica Acta Reviews on Cancer has published a state-of-the-art report on the aspects of HIV research most pertinent to biochemists and others working in the field. "A Special Issue on the Human Immunodeficiency Virus" is available from Elsevier. Circle 53 on Reader Service Card.

Micro-volume pipette tips. Rainin introduces Micro-10™ tips for use with EDP-Plus™ and EDP2™ pipettes with Micro-10 liquid ends. Extremely low residual air volume makes Micro-10 tips ideal for applications requiring high accuracy and precision down to 0.5 microliters. Micro-10 tips are supplied in sturdy, autoclavable racks of 96 tips. Each rack has a seamless bottom, rigid support shelf, and two-position lid, which overlaps the rack for protection from airborne contaminants. Circle 61 on Reader Service Card.

Human, mouse, rat immunoglobulin class/subclass kits. The Binding Site has available radial immunodiffusion kits for the quantitation of HUMAN IgG, IgG1, IgG2, IgG3, IgG4, IgA1, IgA2, IgM, IgD, and IgE; MOUSE IgG, IgGl, IgG2a, IgG2b, IgG3, IgA and IgM; RAT IgG, IgGl, IgG2a, IgG2b, IgG2c, IgA, and IgM. Individual class/subclass kits contain two or four plates (14 wells per plate), calibrators, full instructions, and a chart for direct conversion of precipitin ring diameter into Immunoglobulin concentration. A highly sensitive Elisa kit is also available for Human IgG subclasses. Circle 48 on Reader Service Card.
Advertisements provided containing positions no before I:.

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Various U.S. national and state laws against discrimination, including the Federal Civil Rights Act of 1964, prohibit discrimination in employment in the United States because of race, color, religion, national origin, age, sex, or any reason not based on a bona fide occupational qualification. The Federation of American Societies for Experimental Biology endorses these principles and reserves the right to edit all copy and to refuse advertisements not in consonance therewith.

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

For a description of operation at annual meetings, please refer to the January or February issue or contact the Placement Service. Address all correspondence to FASEB Placement Service, 9650 Rockville Pike, Bethesda, MD 20814. (301) 530-7020

POSITIONS AVAILABLE

CHAIRMAN. The Texas College of Osteopathic Medicine is now accepting applications for Chairman of the Department of Anatomy and Cell Biology. The department currently has 12 faculty members whose research cover a wide variety of areas. Viable candidates should have an established research program, teaching experience (preferably medical) and demonstrated managerial skills. Applications must be received by June 1, 1990 and be accompanied by a CV and list of three individuals who may be contacted as references. Applications should be sent to Dr. Paul F. Cook, Chairman, Anatomy Search Committee, Department of Microbiology and Immunology, Texas College of Osteopathic Medicine, 3500 Camp Bowie Boulevard, Fort Worth, TX 76107-2690. Texas College of Osteopathic Medicine is an equal opportunity/affirmative action employer.

ADJUNCT INSTRUCTOR/ADJUNCT ASSISTANT PROFESSOR. Rank commensurate with experience. Function as Director, Division of Endocrinology, Metabolism Laboratory. Ph.D. in biochemistry or related field and two years experience in lipoprotein metabolism and diabetes preferred. Send CV to A. Khachadurian, M.D., Department of Medicine, University of Medicine and Dentistry of New Jersey-Robert Wood Johnson Medical School, CN-19, New Brunswick, NJ 08903-0019. The UMDNJ is an affirmative action/equal employment opportunity employer. M/F/H/V.

CHAIRMAN, DEPARTMENT OF BIOCHEMISTRY. Albany Medical College and the Graduate School of Health Sciences of the Albany Medical Center invite applications and nominations for the position of Chairman of the Department of Biochemistry. Candidates should be well-established and funded investigators with a strong commitment to teaching medical and graduate students; candidates should also have demonstrated ability in academic administration. The new chairman is expected to guide the department through an extensive rebuilding of its faculty and resources with particular emphasis on development of a focus in molecular biology. The position offers an excellent opportunity to develop an outstanding department in the supportive environment of an expanding tertiary care medical center. Interactions with many other academic institutions in the Albany area are encouraged. Applicants should send CV, names and addresses of three references and a statement of professional goals, interests and experience to Dr. Stanley D. Glick, Department of Pharmacology and Toxicology, A-136, Albany Medical College, New Scotland Avenue, Albany, NY 12208. Albany Medical College is an equal opportunity/affirmative action employer.

POSTDOCTORAL/RESEARCH ASSOCIATE. Available immediately to study neural mechanisms of neuroendocrine development and their perturbation by drugs of abuse. Send resume and three letters of reference to Dr. Cynthia M. Kuhn, Department of Pharmacology, Duke University Medical Center, P.O. Box 3813, Durham, NC 27710. Duke University is an equal opportunity/affirmative action employer.

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POSITION AVAILABLE
DIRECTOR, MEDICATIONS DEVELOPMENT DIVISION
NATIONAL INSTITUTE ON DRUG ABUSE
ALCOHOL, DRUG ABUSE, AND MENTAL HEALTH ADMINISTRATION
PUBLIC HEALTH SERVICE
DEPARTMENT OF HEALTH AND HUMAN SERVICES

The Alcohol, Drug Abuse, and Mental Health Administration invites nominations and applications for the position of Director, Medications Development Division, National Institute on Drug Abuse.

This is a Senior Executive Service position in the career civil service, with an annual salary range of $71,200 to $79,200. Physicians may also be eligible for a Physicians' Comparability Allowance of up to $20,000 per year. The position is located in Rockville, Maryland.

The Director, Medications Development Division provides programmatic, administrative, and general management of the five branches of the Division: the Biometrics Research Branch, the Clinical Trials Branch, the Regulatory Affairs Branch, the Chemistry and Pharmaceutics Research Branch, and the Pharmacology and Toxicology Branch. The Director is also responsible for coordinating the activities and medications development requirements of the three ADAMHA Institutes into the scientific and management activities of the Division and maintains close contact with designated medications development staff at the National Institute on Alcoholism and Alcohol Abuse and the National Institute of Mental Health.

The Director is also responsible for maintaining close working relationships with senior staff at the Food and Drug Administration on matters relating to operational and scientific procedures involved in medications development as well as the development of policy affecting ADAMHA's programs. Additionally, the Director provides authoritative advice and consultation to senior agency officials on a wide range of matters pertaining to the treatment of brain and behavior disorders and the pharmacological evaluation of new treatment agents.

Minimum qualifications requirements include a degree of Doctor of Medicine, Doctor of Osteopathy, or a bachelor's degree or higher degree in an academic field related to the health sciences pertinent to the work of the position. Candidates must demonstrate evidence of progressively responsible experience in managing large, complex science/research programs in the biomedical/behavioral areas; supervising or collaborating with senior-level scientists in academia, private industry, or the Federal Government; extensive current knowledge of research methodology in the biomedical, behavioral, pharmacological, or clinical sciences in areas relevant to drug abuse.

Further information about the position and qualifications requirements may be obtained by contacting Ms. Leslie Everheart at (301) 443-5030. An SF 171 (Application for Federal Employment) accompanied by a current curriculum vitae and bibliography should be submitted to Ms. Everheart at the Division of Personnel Management, Drug Abuse, and Mental Health Administration, 5600 Fishers Lane, Room 15C-26, Rockville, Maryland 20857. Complete Application material (including the SF 171) must be postmarked by the closing date of April 30, 1990. Resumes are not acceptable for entrance into the Senior Executive Service.

Applications from women and minority group members are especially solicited.

THE ALCOHOL, DRUG ABUSE, AND MENTAL HEALTH ADMINISTRATION IS AN EQUAL OPPORTUNITY EMPLOYER

ASSISTANT/ASSOCIATE PROFESSOR,
MOLECULAR BIOLOGY

The Department of Biochemistry and Molecular Biology at The University of South Florida College of Medicine invites applications for a tenure-track faculty position. Candidates should have a Ph.D. degree in biochemistry, molecular biology or closely related discipline and a minimum of two years of postdoctoral research experience. Duties of the position include establishment of a strong independent research program in an area which complements current needs and interests of the department, participation in graduate and medical student teaching programs, supervision of graduate students and contribution to department and college service functions. Excellent laboratory facilities, start-up funds and opportunities for collaboration amongst basic and clinical investigators are available. Title and salary (nationally competitive) will be commensurate with qualifications and experience with preference for an entry level position. Selection of final candidates will be based on: 1) research accomplishments and publication record, 2) area of proposed research in relation to current research programs and interests of the department, 3) potential contributions to department's teaching and graduate programs, 4) letters of evaluation, 5) grant support (for candidates currently holding a faculty-level appointment). Applicants should submit, as soon as possible, but before May 3, 1990, a CV, a description of research plans and three letters of reference to:

Marvin T. Williams, Ph.D.
Department of Biochemistry and Molecular Biology
University of South Florida College of Medicine
MDC Box 7
Tampa, FL 33612-4799

The University of South Florida is an affirmative action/equal opportunity institution and encourages applications from women and minorities.

Tulane University School of Medicine
Chairperson
Department of Biochemistry

Tulane University School of Medicine invites applications and nominations for the position of chairman of the Department of Biochemistry. Candidates should be well established and funded investigators with a fundamental commitment to teaching medical and graduate students. Focus will be on cellular and molecular biology both within and between departments. Applicants should send curriculum vitae, names and addresses of three references and a statement about professional goals, interests and experience to:

Dr. Cyril Y. Bowers
Department of Medicine
Tulane Medical School
1430 Tulane Avenue
New Orleans, LA 70112

Applications will be accepted until April 30, 1990.

Tulane Medical School is an equal opportunity/affirmative action employer.
ASSISTANT PROFESSOR. Expertise in bioengineering and/or experimental biophysics. The applicant should be prepared to establish a program of independent research in areas such as tissue and cell physiology, microcirculation, biomechanics, biophysics, biosensors and/or biomedical mass transfer. The successful candidate will be responsible for teaching at the undergraduate and graduate levels in the bioengineering program. One of the teaching requirements is an undergraduate course in electronics applied to bioengineering. Qualifications include a Ph.D. in an appropriate field. Salary commensurate with qualifications based upon UC pay schedules. Please send resume, samples of publications and/or appropriate materials to Dr. Shu Chien, Chair, R-012, AMES-Bioengineering, UCSD, La Jolla, CA 92037-1066. The University of California is an affirmative action/equal opportunity employer.

ASSISTANT/ASSOCIATE PROFESSOR. The Department of Pharmacology at Temple University School of Medicine is seeking a faculty member in the assistant/associate professor level. The applicant must be competent in all areas of pharmacology and be able to carry out research in the area of cholinergic pharmacology. In addition, demonstrated proficiency in the direction and teaching of pharmacology to medical, other health professional, and graduate students is essential. Applications should be addressed to Dr. George van Rossum, Director of the Search Committee, Department of Pharmacology, Temple University, School of Medicine, 3400 N Broad Street, Philadelphia, PA 19140. Equal opportunity employer.

FACULTY POSITIONS. The Department of Physiology and Biophysics, Case Western Reserve University, invites applications for tenure-track junior and senior positions. Candidates with strong credentials in membrane biology, electrophysiological and biophysical approaches are especially encouraged to apply; however, outstanding candidates in all areas of cell physiology and biophysics will be given serious consideration. Terms are highly competitive and appointments provide excellent opportunities to develop strong, independent research programs in newly built state-of-the-art facilities in an expanding department and research community. Submit CV, brief statement of present and proposed research interests, representative reprints, and names of four references to Dr. Antonio Scarpa, Department of Physiology and Biophysics, Case Western Reserve University, 2191 Abington Road, Cleveland, OH 44106. The University is an equal opportunity/affirmative action employer.

ASSISTANT RESEARCH MICROBIOLOGIST. Ph.D. or equivalent in pharmacy or pharmacology to investigate molecular genetics or virulence factors in Salmonella, effects of antibiotics on pathogenic bacteria and mechanisms of antibiotic resistance in anaerobes. Experience required in molecular cloning, site-specific mutagenesis, DNA sequencing, antibiotic interactions with bacteria and growth and manipulation of anaerobic bacteria. Salary related to established UCSD salary schedule. Apply by April 27, 1990 to Dr. Donald Guiney, Division of Infectious Diseases, H-811F, Department of Medicine, UCSD Medical Center, 225 Dickinson Street, San Diego, CA 92103. AA/EEO.

FACULTY POSITION. The Department of Radiation Oncology, Wayne State University, invites applicants for a nontenure-track position as Assistant Professor in the Cancer Biology Division. A Ph.D. and relevant postdoctoral experience in cell biology or biochemistry are required. The successful candidate is expected to run a research program examining tumor cell-platetendothelial cell interactions and participate in graduate and undergraduate teaching. Salary dependent upon qualifications. Send CV, names and addresses of three or more references, selected publications, letter of interest to, Dr. J. Honn, Department of Radiation Oncology-Cancer Biology Division, 431 Chemistry Building, Detroit, MI 48202. Wayne State University is an affirmative action employer.

PHYSIOLOGIST, ASSISTANT/ASSOCIATE PROFESSOR. Start during 1990. Requirements include postdoctoral research experience in one or more of the following areas, as applied to respiratory physiology and disease: neurophysiology, growth and adaptation, muscle physiology or mechanics. Position entails independent research and collaboration with colleagues studying respiration at levels from molecular through organ systems to populations, as well as teaching and supervision of graduate students and postdoctoral fellows. Send CV, names of three references and best one or two publications to Robert B. Banzett, Ph.D., Department of Environmental Science and Physiology, Harvard School of Public Health, 665 Huntington Avenue, Boston, MA 02115. We encourage applications from women and minorities.

POSTDOCTORAL RESEARCH ASSOCIATE. The Research Institute on Alcoholism will have a postdoctoral position available fall 1990 for candidates with interests or experience relevant to the study of research issues in alcoholism. Position is open to beginning level Ph.D. in the biological sciences or neuroscience. Strong background in biochemical techniques to join research group to investigate neurochemical and behavioral aspects of drug tolerance and dependence in animal models is required. Previous experience in alcohol research is desirable. Salary and fringe benefits are competitive. The Institute has a strong affirmative action record and applications from minority candidates are particularly welcome. Send CV and supporting materials to Personnel, Research Institute on Alcoholism, 1021 Main Street, Buffalo, NY 14203. An equal opportunity/affirmative action employer.

RESEARCH ASSOCIATE. Exciting opportunity to study the role of proteinases in inflammation. Biochemical, molecular biological and morphological methods, including in situ hybridization, will be used to evaluate plasminogen activator metabolism in experimental inflammatory models in animals. These studies are an integral part of a large program project with multiple collaborations across departments at the University of Pennsylvania. Two years of postdoctoral experience preferred. Opportunity for growth within the department. Reply to Gerald S. Lazarus, M.D., Department of Dermatology, University of Pennsylvania, 211 Clinical Research Building, 422 Curie Boulevard, Philadelphia, PA 19104. The University of Pennsylvania is an equal opportunity/affirmative action employer.

POSTDOCTORAL FELLOW/RESEARCH ASSOCIATE. Available immediately. Research project concerning the mechanism of complement-induced leukocytosis. Candidate should have a Ph.D. or M.D. with experience in leukocyte biology and/or cell trafficking in animal models. A background in biology, pharmacology or biochemistry is required. Experience in cellular biology is preferred. Please send CV and three letters of reference to Dr. Tony E. Hugli, Immunology Department (IMM18), Research Institute of Scripps Clinic, 10666 N Torrey Pines Road, La Jolla, CA 92037.

POSTDOCTORAL FELLOWSHIPS. Training program in vision research. NEI-sponsored postdoctoral fellowships are now available on a competitive basis in a multidepartmental setting: Departments of Ophthalmology, Anatomy, Microbiology and Physiology at the LSU Medical Center School of Medicine in New Orleans, Department of Biomedical Engineering at Tulane University and Department of Biology at the University of New Orleans. Successful candidates will have earned M.D., D.V.M. or Ph.D., be citizen or permanent resident of U.S., normally be willing to commit to a two-year period and be earnestly aimed toward an academic career. Specific training disciplines with over 20 preceptors in cornea and retina include anatomy, cell and molecular biology, pharmacology, physiology, virology, microbiology, immunology, biochemistry and neurobiology with ancillary training opportunities in scientific writing, biostatistics and epidemiology and biomedical engineering. Applications now being considered for July 1 starting date. For further information and application forms contact Stephen D. Klyce, Ph.D., LSU Eye Center, 2020 Gravier Street, New Orleans, LA 70112. Minorities and women are particularly encouraged to apply. LSUMC is an EEO/AA employer.

ASSISTANT PROFESSOR, HUMAN NUTRITION AND DIETETICS. Teach introductory and advanced courses in human nutrition and dietetics. Advise undergraduate and graduate students; participate in the Plan IV program. Conduct and supervise research and provide community and professional service. Minimum qualifications: doctorate in nutrition or related field, R.D., two years professional experience. Nine month, tenure track, beginning August 16, 1990 with summer research funding for three years. Deadline: May 30. Send letter of application, CV, official transcripts and three letters of reference to Beverly Hummel-Azzaro, Ph.D., Director, Division of Family Resources, Box 6124, West Virginia University, Morgantown, WV 26506-6124. Affirmative action/equal opportunity employer.

RESEARCH ASSOCIATE. M.D./Ph.D. with at least three years postdoctoral research in pharmacology or biology related to the regulation of tumor cell growth and differentiation by anticancer drugs. Experience with current techniques of molecular pharmacology and cell biology, tissue culture and animal experimentation is required. Salary $28K; 40 hr., 5 day/wk. Send CV and three references to Ms. Linda McKernan, Grace Cancer Drug Center, Roswell Park Cancer Institute, Buffalo, NY 14263. An affirmative action/equal opportunity employer.
ASSISTANT PROFESSOR, PHARMACOLOGY. Ladder faculty position will be filled in the area of structural analysis of receptor drug or ligand interaction. Focus on some aspect of potential cancer therapy, such as oncogenes, growth factor receptors, signal transduction mechanisms is required. A departmental molecular modeling and computational resource has been established and high field NMR and X-ray crystallography facilities are accessible to an appropriately qualified individual. Applications submitted by 1 June 1990 should include CV, description of research interest and the names of at least three referees and be sent to Dr. R. E. Handschumacher, Chairman, Search Committee, Department of Pharmacology, Yale University School of Medicine, 333 Cedar Street, New Haven, CT 06510. Yale University is an equal opportunity/affirmative action employer.

ASSISTANT/ASSOCIATE RESEARCH OR ASSISTANT/ASSOCIATE ADJUNCT PROFESSOR. The Division of Pulmonary/Critical Care Medicine, University of California, Davis, School of Medicine is recruiting for a full-time academic research position. Candidates must possess a Ph.D. equivalent or M.D. with at least two years of postdoctoral research experience. The Division has a strong clinical program and is seeking an individual with extensive research experience in lung cell/molecular biology. Collaborative faculty are available in the following areas: mucus glycoprotein biosynthesis, airway cell culture systems, lung inflammation, lung anatomy and pathology, lung collagen and elastin metabolism, inhalation toxicology, respiratory tract carcinogenesis, and lung oxidant damage and antioxidant protective systems. Interested applicants should send CV to Timothy Albertson, M.D., Ph.D., Division of Pulmonary/Critical Care Medicine, University of California, Davis, Medical Center, 4301 X Street, #2430 Professional Building, Sacramento, CA 95817 by August 31, 1990. The University of California, Davis is an equal opportunity/affirmative action employer.

POSTDOCTORAL/RESEARCH ASSOCIATE. Study the pharmacology and electrophysiology of mammalian and invertebrate neurons and glia and their interactions, using in vitro and in vivo models. Candidate must have Ph.D. or equivalent with a concentration in biophysics, 3-5 years experience in tissue culture of neuronal elements and experience with electrophysiological and optical techniques for the study of small cells. The successful applicant will be expected to teach these techniques and their biological basis to postdoctoral trainees, graduate students and research technicians and to participate in other departmental instructional programs. Salary range: $20,000-$26,000. Send application, CV and names of three referees by May 15, to Edward M. Lieberman, Ph.D., Professor, Department of Physiology, East Carolina University School of Medicine, Greenville, NC 27858. An equal opportunity/affirmative action employer. Federal law requires proper documentation of identity and employability at the time of employment. It is requested that this document be included with your application.

ASSISTANT RESEARCH PHYSIOLOGIST. M.D. with prior experience in vascular biology. Experience required in isolation and characterization of lipoproteins, use of immunological techniques, including development of RIA and immunocytochemistry, experience in detecting and characterizing autoantibodies and ability to work with various animal models of atherosclerosis, including computer assisted assessment of the extent of disease. Salary based on established UCSD research salary schedule. Apply by April 27, 1990 to Dr. Joseph L. Witztum, Division of Endocrinology/Metabolism, Department of Medicine, M-013D, University of California, San Diego, La Jolla, CA 92039. AA/EOE.

POSITIONS DESIRED

M.D., 1981; Ph.D., 1990 (expected); Physiology, pharmacology; Hemo-dynamic and morphologic studies of pulmonary circulation, pulmonary vascular reactivity, EDRF in pulmonary circulation; Avail. July 1990; Postdoc. in academia or industry; Salary negot. 1-0005

Ph.D., 1978; Pharmacology; Teaching experience in pharmacology, physiology and cell biology, research experience and publications in biochemical pharmacology and cell biology, administrative experience; Faculty position at graduate or undergraduate institution, Northeast or Midwest; Avail. July 1990; Salary $38-$50K. 3-0039

Ph.D., 1984; Cellular immunology, immunopathology, immunonchemistry, virology, microbiology; Tissue culture, lymphocyte cloning, FACS, hybridoma, immunofluorescence, immunoprecipitation techniques, ELISA, animal surgery, injections and antisera production, manipulation of microorganisms; Avail. October 1990; Research. 6-0045

Ph.D., 1979; Biochemistry, molecular biology; Protein and RNA purification, production of plasmid and phage cDNA libraries, immunoscreening, hybrid selection, Northerns, Southern, DNA sequencing, PCR cloning; Avail. May 1990; East; Research in academia/industry; Salary negot. 2-0058

Ph.D., 1990 (expected); Molecular biology; Eukaryotic gene regulation, RNA isolation, cDNA synthesis, cloning, library construction, screening, subcloning, probe labeling, dewyseqyoning, RIA development, IEF, some tissue culture and animal work; Avail. August 1990; Perfer permanent research. 2-0059

Ph.D., 1971; Immunology, tumor biology, preclinical and clinical cancer immunotherapy; Cell culture, MAB, flow cytometry, tumor vaccine preparation/analysis, humoral and cellular immunoassays; Avail. March 1990; Research laboratory director/supervisor, academia/medical center/industry; Salary negot.; Northeast preferred. 6-0079

Ph.D., 1990 (expected); Immunology, microbiology; Tissue culture, cell surface marker assay, ELISA, isotyping, flow cytometry, animal studies, in vitro bioassays, immunomodulation, viral culture, cross match, RIA, histology, ID and culture of pathogens/nonpathogens; Avail. August 1990; Postdoc. in academia/industry; Salary negot. 6-0061

M.S., 1990 (expected); Biology, physiology, biochemistry; Cardiology and O2 radicals research, light/scanning and transmission electron microscopy, histochemical techniques, 3 years academic teaching, gas-liquid chromatography, spectrophotometry, electrophoresis, microcomputer competency; Avail. August 1990; Teaching/research; Salary negot. 8-0085

Ph.D., 1986; Immunology, parasitology, cell & molecular biology; Biomedical & veterinary research experience, tissue and parasite culture, in vitro bioassays, eosinophil biology, inflammation/asthma, gene cloning, cell-parasite interactions, light and electron microscopy/photography; Avail. August 1990; Industry/academia; Salary negot. 6-0103

Ph.D., 1986; Neurobiology, physiology, neural control of cardiorespiration; Brain slice & in vivo preparations, intracellular/extracellular recording, SEVC, intracellular staining, tract tracing, fluorescence and TEM microscopy, grant & manuscript writing; Avail. January 1991; Research/teaching in academia/industry. 1-0112

Ph.D., 1985; Immunology, molecular biology, biochemistry; Regulation of gene expression (Northern), lymphocytes & HIV-1LTR activation, lymphokine biochemistry & cloning, cDNA library development, expression & screening, receptor studies, B cell differentiation, development of MAb, bioassays, cell lines; Faculty/staff. 6-0200

Ph.D., 1983; Aerospace, environmental, systemic physiology; Gravitational physiology, acceleration protection, life support, electron microscopy, autoradiography, toxicology, human factors engineering, product development, computer display design; Avail. March 1990; Research/teaching/product development; Salary negot.; Western US. 1-0206

Ph.D., 1986; Immunology, cell biology, molecular biology; Tissue culture, in vitro bioassays, HPLC, PAGE, immunoprecipitation, Western blot, RIA, ELISA, immunofluorescence & FACS analysis, DNA cloning, Northern & Southern blot, hybridoma culture & antibody purification; Avail. April 1990; Research in industry/academia. 6-0272

Ph.D., 1990 (expected); Signal transduction, biochemistry, enzymology, cell biology; Inositol phospholipid biochemistry, membrane isolation/characterization, TLC, paper/gel electropheresis, radioisotope labeling/analysis, tissue culture, cloning, sequencing, protein-DNA interaction; Avail. January 1991; Research; Salary negot. 1-0274

Ph.D., 1978; Pharmacology, biochemistry, cell biology; Muscle protein phosphorylation, prostaglandins, purinergic receptors, epi-/endothelial relaxing factors, in vitro bioassays, muscle mechanics, RIA, protein isolation, 2-D electrophoresis, animal surgery; Avail. May 1990; Industrial/academic position; Salary negot. 3-0275

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Ph.D., 1991 (expected); Pharmacology, immunology; Vascular cell culture, tissue culture, in vitro bioassay, animal surgery, blood pressure measurement in vivo, autoradiography, immunofluorescence microscopy/photography; Postdoc. in academia in vascular cell molecular biology; Avail. July 1991; Salary negot. 6-0276

Ph.D., 1988; Nutritional biochemist; Fat metabolism, cancer and fat, cardiovascular disease and fat, GLC, HPLC, cell separation, lymphocytes and macrophages relating to multiple sclerosis, platelet function activity and clotting factors in relation to thrombosis and hemostasis; Avail. April 1990; Postdoc. 5-0278

Ph.D., 1977; Immunology; Immunochemistry, radioimmunoassay & enzyme-linked immunoassays, hybridoma production & screening, enzyme-linked secretion assays (ELISOT), gel electrophoresis, tissue culture, immunocytochemistry & computer-aided image analysis; Avail. January 1991; Research/teaching or industry; Salary negot. 6-0279

Ph.D., 1986; Anatomy/cell biology, immunology, histotechnology; In vivo sepsis models, hepatic metabolism, cytokine interaction, glucose metabolism, macrophage/lysosomal enzymes, in vivo/in vitro bone study, RIA, atomic absorption spectrophotometry, fetal rat limb culture, bone histomorphometry; Avail. September 1990; Teaching/research. 7-0281

Ph.D., 1984; Cardiovascular physiology/pharmacology, drug discovery and development; CV safety evaluation of lead compounds, large and small animal surgery/anesthesia, heart failure, myocardial/cerebral ischemia/reperfusion, endotoxic and hemorrhagic shock and hypertension, adenosine, angiotensin and muscarinic antagonists; Industry. 1-0282

Ph.D., 1990 (expected); Biochemistry, pharmacology; HPLC, TLC, fluorometry, spectrophotometry, gel electrophoresis, immunofluorescence, animal surgery and microsurgery, peptide metabolism, enzyme kinetics; Avail. January 1991; Postdoc. in academia/industry; Salary negot. 3-0283

Ph.D., 1987; Immunology, microbiology, cell biology; Cell culture, in vitro bioassays, hybridoma technology, RIA, ELISA, PAGE, Western blot, IEF, immunohistochemical staining, antibody production, HPLC, peptide synthesis, antigen processing and presentation, transfections; Avail. April 1990; Staff position; Salary negot. 6-0284

Ph.D., 1987; Physiology, biophysics; Microvascular research, reproductive endocrinology, endocrine microcirculation, in vivo preparations, fluorescent labeling, video microscopy, flow cytometry, microipet technique, tissue culture, physical chemistry; Avail. April 1990; Research/teaching; Northeastern US; Salary negot. 1-0285

Ph.D., 1984; Molecular cell/microbiology; Tissue culture, cell transformation and cloning, DNA cloning/sequencing/site specific mutagenesis, gene mapping, Southern/Northern blotting, antisense design, virus propagation, CAT assays, protein PAGE, in vitro transcription & translation; Avail. May 1990; Research/teaching. 2-0286

Ph.D., 1988; D.V.M., 1978; Immunology, molecular biology; 2-D gels, Western blot, ELISA, immunofluorescence, immunohistoassays, radio-labeling of proteins and cells, cell culture, MAb production, lymphocyte cloning, DNA and RNA separation and labeling, protein expression; Avail. June 1990; Research/teaching or postdoc. 6-0288

B.S., 1990; Microbiology, molecular biology, genetics; Gene cloning, partial digestion, gel electrophoresis, ligating, packing, library construction, Southern blotting, colony hybridization, ELISA, injections and antisera production; Avail. April 1990; Research; Salary negot. 8-0289

M.S., 1990 (expected); Protein biochemistry, enzymology; Signal transduction study, experience in large scale preparation and characterization of RNA, electrophoresis, gradient fractionation, plasmid DNA isolation, DNA labelling, in vitro bioassays, hybridization; Avail. May 1990; Research assistant/scientist in industry; California. 8-0290

Ph.D., 1984; Aging, exercise physiology, cognitive psychology, psychobiology; Depression, effect of exercise on age-related changes in sensory/motor and cognitive functioning; Avail. August 1990; Research/teaching; Salary negot. 1-0291

Ph.D., 1983; Biochemistry, cell biology, molecular biology; Tissue culture, isolation of primary hepatocytes and myocytes, drug induced toxicity, animal injection and handling, gel electrophoresis, site-directed mutagenesis expression in E. coli and Bacillus; Avail. June 1990; Research. 2-0292

Ph.D., 1986; Protein biochemistry; In vitro transcription/translation (incorporating a photoactivatable amino acid analog)/crosslinking, lipoprotein analysis and biosynthesis, cell culture, standard biochemical and immunological techniques, computerized sequence analysis, EM; Avail. September 1990; Research or teaching; Salary negot. 2-0293

Ph.D., 1979; Neurochemistry; Hypoxic/ischemic brain injury models, free radicals, uptake/release and metabolism of neurotransmitters in vitro and in vivo, synaptosomes, brain slices, fatty acids/phospholipids metabolism, enzymology, ion exchange chromatography, TLC, HPLC, GC; Avail. July 1990; Academia/industry. 2-0294

Ph.D., 1988; Pharmacology, toxicology, cell biology, environmental health; HPLC, GC, RIA, aerosol generation and characterization, inhalation toxicology, drug and chemical analysis, enzyme and inhibitor kinetics, cell culture and isolation; Avail. September 1990; Research/teaching; Salary negot. 3-0295

Ph.D., 1982; Food science, nutrition; Experienced in metabolism using HPLC, HPLC-MS, radiotracers, food chemistry, kinetics, quality assurance tests, molecular biology and biotechnology, business administration; Avail. April 1990; Research/teaching (biochemistry/food science); Salary negot. 5-0296

M.D., 1982; Ph.D., 1990 (expected); Physiology, cell biology; Cell culture, blood cell isolation and bioassays, animal surgery, protein purification, gel electrophoresis, HPLC, ELISA, immunohistochemical techniques, polyclonal and monoclonal antibody production; Avail. July 1990; Academia/industry; Salary negot. 1-0298

Ph.D., 1988; Biochemistry; Purification and characterization of proteases, membrane proteins, structure-function studies, chemical modification, protein microsequencing, glycoprotein analysis, antisera production, Western blotting, enzyme kinetics, HPLC, receptor-ligand interactions; Avail. September 1990; Research/development. 2-0300

Ph.D., 1987; Pharmacology, neurobiology, electrophysiology, cardiovascular physiology; Single unit recording, computer-aided signal analysis, sympathetic nerve recording, microinjection, cytotoxic lesion, Doppler blood flow, stereotaxic surgery, acute and chronic animal surgery; Avail. December 1990; Teaching/research; Salary negot. 3-0303

Ph.D., 1990; Neurophysiology, pharmacology, toxicology; Synaptic transmission, ionic channels, intracellular recording, voltage clamp, patch clamp, HPLC; Avail. April 1990; Postdoc. in academia/industry; Salary negot. 3-0304

Ph.D., 1990 (expected); Nutrition, biochemistry, cell biology; Primary cell culture, 2D gel electrophoresis, protein purification, enzymatic analysis, clinical nutrition; Desire molecular biology experience in a eukaryotic system; Avail. January 1991; Postdoc. in academia/industry; Salary negot. 5-0305

Ph.D., 1988; Clinical/human nutrition, biochemistry; Energy and protein metabolism, indirect calorimetry, glucose and protein kinetics, nutrient balances, human and animal studies, in vitro bioassays, mass spectrometry, computer analyses; Avail. December 1990; Industry/clinical/hospital; Salary negot. 5-0306

Ph.D., 1990 (expected); Biochemistry; Regulation of receptor-mediated endocytosis, signal transduction, in vitro reconstitution of intracellular transport, TLC, ion exchange, affinity, gel filtration chromatography, PAGE, Western blots, subcellular fractionation, radiolodination, enzyme kinetics; Postdoc. in academia/industry. 2-0307

Ph.D., 1988; Nutrition, biochemistry; Lipid metabolism, carnitine metabolism, isolated hepatocytes, various enzyme assays, RIA, lipid extractions, carnitine assays, animal surgery, animal feeding studies; Avail. August 1990; Government/industry/nonprofit organization; Salary negot. 5-0309
Ph.D., 1985; Synthetic organic chemistry, carbohydrate chemistry; \(^1\)H and \(^1\)C nuclear magnetic resonance spectroscopy, liquid chromatography, thin-layer chromatography, gas chromatography/mass spectrometry, enzyme kinetics; Avail. April 1990; Industry/government; Salary negot. 2-0310

Ph.D., 1981; Biochemistry, immunology, cell biology; Tissue culture +P3, MAb, T/B hybridomas, lymphocyte cloning, LAK, cytokine assays, flow cytometry, receptor characterization/analysis, cytotoxicities, Southern/Northern/Western blots, plasmin, HIV culture, TM receptor, synthetic peptides strategies, cytopathology; Academia/industry. 6-0311

Ph.D., 1990 (expected); Neuroscience, pharmacology, physiology, biochemistry; Small animal models of neurologic disease, therapeutic, analytical biochemistry, in vitro binding assays, chromatography, pharmacokinetics; Avail. August 1990; Research with or without teaching in academia, industry or government; Salary negot. 3-0313

Ph.D., 1990 (expected); Cardiovascular pharmacology, cardiovascular physiology; Central control of the cardiovascular system, histology, microsurgical techniques, peripheral nerve recording, in vitro assessment of vascular reactivity; Avail. August 1990; Postdoc.; Salary negot. 3-0314

Ph.D., 1987; Pharmacology, toxicology, renal pathophysiology, biochemistry; Metabolism, in vitro nephrotoxicity models, cell-specific mechanisms of injury, renal transplant and drug metabolism, cell separation and culture techniques; Avail. April 1990; Research/teaching in academia, government or industry; Salary negot. 3-0315

Ph.D., 1990 (expected); Human nutrition; Graphite furnace atomic absorption spectroscopy (AAS) and flame AAS, radioisotopes \(^{14}\)C, \(^{3}\)H, \(^{34}\)Cl, radioimmune assays, formulation of experimental diets for trace minerals, HMG CoA reductase, nutrient and drug interactions; Avail. August 1990; Research/teaching; Salary negot. 5-0316

Ph.D., 1990 (expected); Immunology, tumor immunology; Tissue culture, in vitro bioassays, MAb production and purification, flow cytometry/immunofluorescence, lymphokine assays, animal surgery; Avail. July 1990; Postdoc. in academia/industry; Salary negot. 6-0317

Ph.D., 1970; Cellular, tumor immunology; Immunotherapy with cytokines, animal and clinical studies, tissue culture, cell function assays, flow cytometry, tumor vaccine preparation for patients, organizational experience in clinical environment; Academia/industry position; Avail. April 1990. 6-0318

Ph.D., 1987; Biochemistry, protein chemistry; Enzymology, cytosolic and membrane protein isolation and characterization, affinity chromatography, isoelectric focusing, HPLC, amino acid analysis, electrophoresis, immunology techniques, ELISA, Western blotting, antibody production; Avail. June 1990; Research/postdoc.; Salary negot. 2-0320

Ph.D., 1990 (expected); Molecular biology, genetics, immunology, microbiology; Agarose and acrylamide gel electrophoresis, cloning, Maxam/Gilbert and dideoxy sequencing, RFLP analysis, PCR, protein/DNA interactions, Southern/Northern blotting, flow cytometry and tissue culture; Avail. February 1991; Postdoc.; Salary negot. 6-0322

Ph.D., 1990 (expected); Pharmacology, immunology; Experience in animal models of inflammation, autoimmune and immune function, in vitro studies on lymphocyte/macrophage function, lymphokine generation and isolation, cell culture, protein purification, HPLC, IEF, electrophoresis; Staff or postdoc. position, industry preferred. 6-0323

Ph.D., 1980; Cardiovascular physiology, biochemistry; Mechanics and substrate metabolism, isolated heart preparations, freshly isolated and cultured cardiac myocytes, enzyme kinetics, metabolites, isotopes, RIA, TLC, gel electrophoresis, supervisory skills; Avail. September 1990; Position in academia or industry; Salary negot. 1-0324

Ph.D., 1981; Physiology; Shock models, sepsis, radiation injury, eicosanoids, radiolabeled, isolated perfused organs/tissue, liver, kidney, vascular reactivity, vascular permeability, small animal surgery, infections, tracheal and vascular cannulations; Avail. July 1990; Research in industry; Salary negot. 1-0325

Ph.D., 1988; Human/animal nutrition; Graphite furnace/flash atomic absorption spectroscopy of V, Cr, Cu, Mn, Fe, Zn, Ca, anti-oxidative activity spectrophotometric and polarographic assay, expired gases by gas chromatography, ruminant digestion, fiber analysis; Avail. August 1990; Research/industry; Salary negot. 5-0326

Ph.D., 1990 (expected); Nutrition & human performance; Energy substrate analysis, RIA, nitrogen balance techniques; Mid Atlantic/western states; Performance-applied research/teaching/industry-product development; Avail. August 1990. 5-0327

Ph.D., 1990 (expected); Immunology, virology, pathology; Isotype specific ELISA, Western blotting, MAb production, lymphocyte surface markers, ABC-PO, immunofluorescence, virus isolation, identification, purification, characterization, polypeptide and RNA fingerprinting, histopathology, EM; Avail. July 1990; Research/industry. 6-0329

M.D., 1977; M.S., 1982; Physiology; Electrophysiology, recording, stimulation or destruction of neurons or nerves, CNS microinjection with push-pull techniques, cardiovascular activities, HPLC, histological techniques, animal surgery; Avail. August 1990; Research; Salary negot. 8-0330

Ph.D., 1987; Biochemistry; Cloning, PCR, gel electrophoresis, DNA sequencing, Western/Southern blotting, DNA recombination techniques, colony hybridization, enzyme purification, enzyme kinetics; Avail. May 1990; Research and development in industry; Salary negot. 2-0331

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