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


12-14 November 1992. Second International Conference on Lipoprotein[a], New Orleans, Louisiana, USA. (The Second International Lip[a] Conf., The Methodist Hospital, 6505 Fannin St., MS A001, Houston, TX 77030, USA)

13-15 November 1992. 7th Annual Conference on Clinical Immunology (ACCI) and C5 Specialized Meetings, Philadelphia, Pennsylvania, USA. (C5 Registra- tion Mgr., 6000 Grove Rd., Thordare, NJ 08686-9447, USA)


1993

9-15 January 1993. The Extracellular Matrix of Plants: Molecular, Cellular and Developmental Biology, Santa Fe, New Mexico, USA. (Keystone Symposia, Drawer 1630, Silverthorne, CO 80498, USA)

15-21 January 1993. Protein Purification and Biochemical Engineering, Santa Fe, New Mexico, USA. (Keystone Symposia, Drawer 1630, Silverthorne, CO 80498, USA)


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

26 September-1 October 1993. XV International Congress of Nutrition, Adelaide, Australia. (CSIRO Div. of Human Nutrition, P.O. Box 10041, Glover St., Adelaide SA 5000 Australia)

Courses and Workshops

5-9 July 1992. Inorganic Chemistry: New Developments in Organometallic Chemistry and Homogeneous Catalysis, Sheffield, United Kingdom. (J. Hende-kov, European Science Fndn, 1, quai Lezay-Marnésia, F-67080 Strasbourg Cedex, France)

6-10 July 1992. DNA-Binding Proteins and Transcriptional Regulators, Washington, DC, USA. (CATCMB, 103 McCort-Ward Bldg., Catholic U. of America, Washington, DC 20064, USA)


24 July 1992. Introduction to PCR, Philadelphia, Penn- sylvania, USA. (S. Chance, Biotechnology Training Pro- grams, 301 Main St., ste. 3, Ames, IA 50010, USA)


4-7 August 1992. Fermentation Microbiology, Rockville, Maryland, USA. (ATCC/Workshops, 12301 Parklawn Dr., Rockville, MD 20852, USA)


11-14 August 1992. Fermentation Microbiology, Rock- ville, Maryland, USA. (ATCC/Workshops, 12301 Parklawn Dr., Rockville, MD 20852, USA)


24-28 August 1992. Advanced Recombinant DNA, Rockville, Maryland, USA. (ATCC/Workshops, 12301 Parklawn Dr., Rockville, MD 20852, USA)


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

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CALENDAR

Vol. 6 June 1992
SYMPOSIUM

International Symposium on Tobacco Smoking and Nutrition: Influence of Nutrition on Tobacco Associated Health Risks

September 14-16, 1992, Lexington, Kentucky

This two and one-half day symposium assembles authorities from the world-wide scientific community to focus on whether nutrition and diet have an influence on tobacco smoking related health risks. Topics include:

Tobacco Smoking and Free Radical Biology
- R. Jenkins (USA), W. Pryor (USA), E. Niki (Japan), R. Anderson (South Africa), H. Siess (Germany)

Tobacco Smoking, Nutrition and Cardiovascular Disease
- Y. Stein (Israel), R. Bernhardt (Germany), G. Duthie (Scotland), R. Thompson (England), C. Cross (USA), T. Kita (Japan), B. Hennig (USA)

Tobacco Smoking, Carcinogenic Agents and Chemoprevention
- D. Hoffman (USA), W. Caldwell (USA), F.-L. Chung (USA), A. Castonguay (Canada), T. Edes (USA), J. Bertram (USA), D. Heimburger (USA)

Tobacco Smoking, Nutrition and Lung Disease
- N. Krinsky (USA), P. Knekt (Finland), E. Fontham (USA), J. Schwartz (USA), P. Leanderson (Sweden), C. Chow (USA), J. Gosney (England)

Diet and Tobacco Smoking
- S. Renaud (France), A. Subar (USA), G. Colditz (USA), G. Schectman (USA), C. Bolton-Smith (England), R. Ziegler (USA)

Featured Speaker: E. Wynder (USA)

Symposium Information:
University of Kentucky Tobacco and Health Research Institute
Telephone: (606) 257-5151
FAX: (606) 258-1077

Symposium Registration:
University of Kentucky
Special Programs
Telephone: (606) 257-3929
FAX: (606) 257-5171

ANNOUNCEMENT

VIIth International Symposium on the BIOLOGY OF VASCULAR CELLS

TUESDAY-SATURDAY, NOVEMBER 10-14, 1992
PRINCESS RESORT, SAN DIEGO, CALIFORNIA, USA

SCIENTIFIC PROGRAM

The scientific program will focus on basic and clinical aspects of cells of the vessel wall. Their metabolic activities and interactions with other cells and proteins of the blood will be addressed through invited plenary lectures and symposia, as well as through oral communications and poster presentations selected from submitted abstracts.

Examples of topics to be discussed at the symposium include vasculogenesis, angiogenesis, growth factors, cytokines, receptors, signal transduction, gene expression, flow, injury, tone, mediators, transport, cell adhesion molecules, extracellular matrix, atherosclerosis, AIDS, Alzheimer's Disease, thrombosis, thrombolysis, transgenic models of vascular disease, and models based on gene-targeting and knock-out technology.

SYMPOSIUM CHAIRPERSON:
- D. J. Loskutoff, La Jolla, California, USA

VICE CHAIRPERSONS:
- M. Ginsberg, La Jolla, California, USA
- E. Plow, La Jolla, California USA

CALL FOR ABSTRACTS

Information on abstract submission is included in the symposium Final Announcement. The deadline for submission of abstracts is July 15, 1992. Only the abstracts of individuals who are registered for the symposium will be considered.

To receive the Final Announcement and abstract information, please telephone, write, or FAX to:

S. Bunger, Symposium Secretariat
Department of Academic Affairs, 403C
Scripps Clinic and Research Foundation
10666 North Torrey Pines Road
La Jolla, CA 92037 USA

Telephone: (619) 554-8556
FAX Number: (619) 554-6310

This is a paid advertisement.

Use Speed-A-Lead on the Inside Back Cover for Fast Information
Membership in the Federation of American Societies for Experimental Biology

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 and may be admitted by a three-fourths majority vote of all members of the Federation Board. The societies listed below constitute the current Federation. Requirements and procedures for election to individual membership vary.

The American Physiological Society. Individuals who qualify for Regular and Corresponding membership should have a doctoral degree in physiology or related area and have published several papers in refereed journals. They should have a position other than as a trainee in physiological research, teaching, administration, or related area. Applicants considered for Associate and Associate Corresponding membership should have a doctoral degree in physiology or a related area and be engaged in research and/or in the teaching of physiology. Any student conducting physiological research leading to an advanced degree in physiology or in a related area may qualify as a Student member. Two Regular members must sponsor a candidate for membership. A Corresponding or Honorary member of the Society may substitute for one of the Regular members in sponsoring a candidate for Corresponding or Associate Corresponding membership. Council elects candidates for Regular and Corresponding membership. Associate, Associate Corresponding, and Student membership applicants are accepted upon approval of the Executive Director of the Society. Other classes of membership include Honorary, Emeritus, and Sustaining Associate. Further information and application forms are printed in the August issue of THE PHYSIOLOGIST and are available from the APS Membership Services Department, 9650 Rockville Pike, Bethesda, MD 20814, USA.

American Society for Biochemistry and Molecular Biology. Investigators residing in the Americas who have demonstrated the ability to conduct meritorious research in biochemistry and molecular biology are eligible for Regular membership. Normally, evidence of such qualification may be shown by publication, since receipt of a doctorate, of at least one paper in a refereed journal which primarily publishes reports of biochemistry and molecular biology. Nominations must be submitted 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 of Regular membership, but having an interest in biochemistry and molecular biology are eligible for Associate membership. Such individuals must be nominated by two Regular members of the Society and will 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, USA. Phone 301-530-7145; fax 301-571-1824.

American Society for Pharmacology and Experimental Therapeutics. Any qualified investigator who has conducted and published a meritorious original investigation in pharmacology 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 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, USA. Phone 301-530-7060.

American Association of Pathologists. Successful candidates for membership in the AAP are independent investigators with solid scientific qualifications, commitment and continuing productivity in experimental and investigative 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 by May 1 and November 1 from AAP members who can certify the training status of the nominee. Additional information and application forms may be obtained from DR. FRANCES A. PITLICK, Executive Officer, 9650 Rockville Pike, Bethesda, MD 20814-3993, USA. Phone 301-530-7130; fax 301-571-1879.

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 in the AIN. 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. Membership nomination forms are available from the Secretariat, 9650 Rockville Pike, Bethesda, MD 20814, USA. Phone 301-530-7050; fax 301-571-1892.

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 candidates by a membership committee are submitted by the AAI Council to the membership for election at the annual spring meeting. For application forms write to DR. JOSEPH F. SAUNDERS, Executive Director, 9650 Rockville Pike, Bethesda, MD 20814, USA.

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 ELIZABETH MARINCOLA, Executive Officer, 9650 Rockville Pike, Bethesda, MD 20814, USA.

Biophysical Society. Membership is open to scientists who share the stated purpose of encouraging development and dissemination of knowledge in biophysics. Regular membership requires the signatures of two members; student membership requires two letters of recommendation from sponsors in lieu of five publications. Emeritus membership status is awarded to retired scientists who have been Society members for 10 or more years. Membership information and forms may be obtained from the Biophysical Society Office, 9650 Rockville Pike, Bethesda, MD 20814, USA. Phone 301-530-7114; fax: 301-530-7133.


POSITIONS AVAILABLE — Classified advertisement: $25.00 per line (70 characters), $250.00 (10 line) minimum. Display advertisement: $700.00 for ¼ page, 3½ inches x 4½ inches; $1000.00 for ½ page, 3½ inches x 9½ inches; $1400.00 for full page, 7½ inches x 9½ inches (horizontal); $1400.00 for full page, 7¼ inches x 9¾ inches. (For display ads, add 5% if mechanical not submitted.) Advertisements will be published in next available issue unless otherwise specified. Deadline for receipt of copy is 5th day of month before publication. Payment, purchase order, insertion order, written invoicing instructions, or MasterCard or VISA account number with expiration date and signed authorization is required with insertion copy. Advertisements are noncommissionable to agents; no cash discounts are allowed. Blind advertisements are not accepted.

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

Primary employers desiring identification and additional details concerning Positions Desired advertisers should write to address below, indicating hyphenated number appearing as last element of advertisement; a one-page registration from advertiser(s) will be provided immediately. Advance telephonic determination of availability of advertisers from earlier-than-current issues is recommended. Employers not currently registered with Placement Service for annual meeting participation are charged a minimum fee of $50.00 for identification of up to 10 advertisers, plus $5.00 for each above 10, payable in advance to FASEB Placement Service.

Some registered candidates do not prepare Positions Desired advertisements; some advertisements are published at times not coinciding with employer recruitment activities. Primary employers not finding advertisements that appear to match current or projected needs may request a search of all active candidate files. Telephone a description of desired qualifications; results of search will be discussed telephonically with requesting official, and registrations from candidates declared suitable will be forwarded. Employers not currently registered with Placement Service for annual meeting participation are charged a minimum fee of $50.00 for up to 10 identifications, plus $5.00 for each above 10.

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

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

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

For a description of operation at meetings, contact the Placement Service.

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

POSITIONS AVAILABLE

ASSISTANT/ASSOCIATE PROFESSOR. The Department of Physiology and the Institute for Environmental Medicine of the University of Pennsylvania Medical Center seek an experienced cell biologist/biochemist for a research-track faculty position based in the Institute. The successful candidate will interact with an established program in lung cell and molecular biology and an independent research program in mechanisms of exocytosis and/or phospholipid synthesis and intracellular processing. Excellent facilities are available. Salary commensurate with experience. Send CV, a statement of research interests and the addresses of three references, by July 31, 1992 to Director, Institute for Environmental Medicine, One John Morgan Building/6068, 36th Street and Hamilton Walk, Philadelphia, PA 19104. The University of Pennsylvania is an equal opportunity/affirmative action employer.

POSTDOCTORAL FELLOWSHIP in rheumatology/immunology research available for two or more years. Emphasis on immune activation, especially monocyte/macrophage. Applicants must have M.D. or Ph.D. and be U.S. citizen or have permanent visa status. Applicants should have background in immunology/molecular biology. Send CV and names of three references to David E. Tocum, M.D., Director of Research, Southwest Clinics Arthritis Research Institute and Arizona Arthritis Center, #6409, 1501 N Campbell Avenue, Tucson, AZ 85724. AA/EEO employer.

EXPERIENCED MOLECULAR BIOLOGIST. Applications are invited for a tenure-track position at the associate professor or professor level to direct an ongoing developmental and reproductive biology laboratory. Applicants are expected to have a strong background in molecular biology, be currently funded and willing to supervise the training of post-doctoral M.D. fellows. Send CV and letters of recommendation to Donald M. Sherline, M.D., Chairman, Department of Obstetrics and Gynecology, Medical College of Georgia, Augusta, GA 30912. The Medical College of Georgia is an equal opportunity employer/affirmative action institution.

EXPERIMENTAL PATHOLOGIST. The Department of Pathology and Laboratory Medicine of Tulane University School of Medicine in New Orleans invites applications for a faculty position to conduct research in environmental pathology and/or carcinogenesis. This is a tenure-track position at the level of assistant, associate or full professor. The successful candidate, Ph.D. or M.D., will actively participate in the new Center for Bioenvironmental Research and in the Interdisciplinary Graduate Program in Molecular and Cellular Biology. A very competitive start-up package will be offered by the department. Please submit CV and names of three references by June 30, 1992 to Michael A. Gerber, M.D., Professor and Chairman, Department of Pathology and Laboratory Medicine, Tulane University School of Medicine, 1430 Tulane Avenue, New Orleans, LA 70112-2699. Tulane Medical Center is an affirmative action/equal opportunity employer.
HEAD, DEPARTMENT OF FOOD SCIENCE

The College of Agricultural Sciences seeks applicants for the position of Food Science Department Head. The individual chosen will be responsible for leadership, administration, and coordination of resident instruction, extension, and research programs of the department. The successful candidate will have administrative responsibility for academic affairs, departmental personnel, financial matters, and physical facilities. The individual will also be responsible for leadership and coordination of programs in relation to other departments, government agencies, food and related industries, and consumers. Required qualifications are an earned Ph.D. or equivalent academic degree in Food Science or a closely related area, and evidence of effective administrative and leadership abilities or strong evidence of potential administrative and leadership abilities. A significant period of professional and/or academic experience in Food Science is highly desirable, as is experience with or in-depth knowledge of university teaching, research, and extension functions. Evidence of effective interaction with the food industry and related industries, as well as with government agencies is also highly desirable. Salary will be commensurate with the qualifications and experience of the candidate. Interested individuals are invited to submit 1) a resume with documentation of teaching, research, extension, administrative, and leadership experience; and 2) a statement which reflects the candidate's personal philosophy of administration and leadership to: Dr. Donald B. Thompson, Chairman, Search Committee, Room 8-D, Borland Laboratory, Penn State University, University Park, PA 16802. (814) 863-0481, (814) 863-6132 (FAX).

Applications will be accepted until July 31, 1992, or until the position is filled.

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

Winning...Because We Set Our Sights Higher.

The field of ophthalmic research and development is a competitive one. But there's one leader that stands above the rest—10LAB Corporation, a Johnson & Johnson company. "Just-in-Time", "Zero Defects", and "Daily Incremental Improvements", are not just words at IOLAB—they're all a part of our commitment to "World Class Research." Right now, we're seeking the following individual to join our world class organization:

Senior Microbiologist

The selected candidate will be responsible for overseeing all microbiological testing required to support research, development, and production of intracuticular lenses, ophthalmic pharmaceuticals and related products. Additionally, you will be responsible for experimental design, protocol development, study execution and report preparation, plus be involved with the qualification/validation of sterilization techniques. We prefer a Ph.D in microbiology sciences with 2 years post doctoral or industrial experience in the pharmaceutical industry. Must possess excellent written/verbal communication skills and experience in team leadership.

IOLAB is a highly innovative "learning" organization offering outstanding employee benefits and competitive salaries. For immediate consideration, send your resume and salary history to: Paul Krueger, Ph.D, Human Resources Department, IOLAB Corporation, Johnson & Johnson, 500 IOLAB Drive, Claremont, CA 91711.

National Institutes of Health

NEUROIMMUNOLOGIST

The Laboratory of Neuroscience, National Institute of Diabetes and Digestive and Kidney Diseases, seeks an outstanding candidate with postdoctoral experience in research training. The candidate should have a Ph.D. (Immunology), M.D. (Internal Medicine), both degrees or equivalent experience. The applicant will participate in a broad research program that investigates the control of immune function through the central nervous system. The applicant should have research experience and considerable expertise in applying methods of immunology, neurobiology, and molecular biology. Applicants should be particularly familiar with methods of permanent and transient cell transfection, cell sorting, and the development of fluorescence methodologies. The applicant should have a substantial record of publishing original work in refereed journals. Starting salary of $42,000 or may be negotiable commensurate with qualifications and publication experience. Interested candidates should submit curriculum vitae, several reprints, summary of research interests, and names of three references to:

Dr. Phil Skolnick
National Institutes of Health
Building 8, Room 111
9000 Rockville Pike
Bethesda, MD 20892

NIH is an Equal Opportunity Employer
POSTDOCTORAL POSITIONS

Postdoctoral positions available immediately on an NIH Training Grant to study molecular mechanisms of chemical and viral carcinogenesis, and eukaryotic gene control. The program is situated in the newly constructed Norris Cancer Center which contains state-of-the-art microchemical, microinjection, flow cytometry, pharmacological, cell culture and computer core facilities. Training faculty are: Yuen K. T. Fung (retinoblastoma); Myron Goodman (biochemical mechanisms of fidelity and SOS repair); Peter A. Jones (tumor cell biology; DNA methylation); Joseph R. Landolph (molecular biology of chemical transformation); Amy Lee (molecular biology of the control of mammalian gene expression); Suraia Rasheed (retroviruses; AIDS-related lymphomas); Pradip Roy-Burman (retroviruses and oncogene alleles). Candidates must be U.S. citizens or permanent residents. Minority and women candidates strongly encouraged to apply. Send CV, three letters of recommendation and preference of faculty preceptors to:

Dr. Joseph R. Landolph
Kenneth Norris Jr. Comprehensive Cancer Center
University of Southern California School of Medicine
1441 Eastlake Avenue
Los Angeles, CA 90033

Affirmative action/equal opportunity employer.

RESEARCH TRAINING IN GERONTOLOGY. The University of Texas Health Science Center at San Antonio announces the availability of postdoctoral fellowships supported by a training grant from the National Institute on Aging. The program is directed toward basic research in gerontology with special emphasis on the nutritional manipulation of the aging processes. Training is available in several general areas and directed by the following faculty: Metabolic regulation, endocrinology and neuroendocrinology (Bertrand, Herlihy, Katz, Masoro, Nelson, Ward); Exercise and energy metabolism (McCarter); Free radicals and membrane lipid peroxidation (Yu); Immunology (Fernandes); Cellular calcium and bone metabolism (Kats); Molecular biology and regulation of gene expression (Chatterjee, Richardson, Roy). The annual stipend of up to $25,000 is limited to U.S. citizens and permanent residents. A letter of interest, CV, research areas of potential interest and the names of three references should be sent to Dr. Byung P. Yu, Department of Physiology, University of Texas Health Science Center at San Antonio, 7703 Floyd Curl Drive, San Antonio, TX 78284-7756.

The University of Texas Health Science Center at San Antonio is an affirmative action/equal opportunity employer.

GRADUATE FELLOWSHIPS/AGRICULTURAL MOLECULAR BIOLOGY. The Interdepartmental Graduate Program in Molecular Biology of Utah State University announces first year graduate fellowships for students to pursue M.S. and Ph.D. degrees in molecular biology related to agriculture. Degrees are offered jointly with the Departments of Animal, Dairy and Veterinary Sciences; Biology; Chemistry and Biochemistry; Plants, Soils and Biometeorology; Nutrition and Food Sciences; and the Program in Toxicology. Each fellowship is $10,000 per year plus tuition from the Utah Agricultural Experiment Station. After the first year, research assistantships will come from one of the faculty members of the program. Application forms and information can be obtained from Graduate Program in Molecular Biology, Utah State University, Logan, UT 84322-5305 (801) 750-2491 or (801) 750-1770, FAX (801) 750-1575. USU is an equal opportunity/affirmative action employer.

RESEARCH ASSISTANT PROFESSOR OF BIOMEDICAL ENGINEERING. The Department of Biomedical Engineering at Vanderbilt University announces an opening for a non tenure-track appointment as Research Assistant Professor of Biomedical Engineering pending the availability of adequate funding. Applicants with a doctorate in biomedical engineering or biomedical science and two to three years of postdoctoral experience are invited to apply. The successful applicant must have experience in cellular bioengineering and the cell biology of microvascular endothelial cells. Experience in microvascular endothelial cell culture methods, cellular imaging and biochemical measurement methods of microvascular endothelial function is necessary. Please send a letter of interest, CV and the names of three references to the Biomedical Engineering Search Committee, Box 1631, Station B, Vanderbilt University, Nashville, TN 37235. Vanderbilt University is an equal opportunity/affirmative action employer.

TWO POSITIONS IN THE PHYSIOLOGY OF AGING. The John B. Pierce Laboratory Center for Research in Health and the Environment and affiliated with Yale University. We seek two junior scientists to join a program concerned with the study of cardiovascular and body fluid regulations in older people. One of these positions is dedicated to research and the other is project manager/data manager. Applicants should have Ph.D. and/or M.D. postdoctoral experience and human investigation experience. Send current CV, reprint of published papers and names of three references to Dr. Ethan R. Nadel, The John B. Pierce Laboratory, 290 Congress Avenue, New Haven, CT 06519. The John B. Pierce Laboratory is an affirmative action/equal opportunity employer.

CLINICAL CHEMISTRY POSTDOCTORAL FELLOWSHIPS at Mayo Clinic. Seeking applicants for two year ComACC-approved fellowships directed toward qualified individuals (Ph.D. or M.D. required) pursuing careers in clinical chemistry. Individuals completing the program are eligible for certification by the American Board of Clinical Chemistry. Applications on file by October 31, 1992 will be considered for appointment beginning in July 1993. Contact Mary F. Burritt, Ph.D., Section of Clinical Biochemistry, Mayo Clinic, Rochester, MN 55905 for more information. Mayo Foundation is an affirmative action and equal opportunity educator and employer.

RESEARCH OPPORTUNITIES MAJOR UNIVERsITIES UNIVERSITY OF ADELAIDE ADELAIDE - AUSTRALIA

FACULTY OF HEALTH SCIENCES
LECTURER (LEVEL B) IN HUMAN PHYSIOLOGY
(Tenable)

Ref 92094X. The Department of Human Physiology (School of Medicine) is located within the Flinders Medical Centre as part of an integrated medical school and teaching hospital of 500 beds serving the southern regions of Adelaide. Excellent opportunities exist within the well equipped Medical Centre for collaboration with other groups in both basic and clinical research, and this is facilitated by the integrated nature of the School.

Available from 1 October 1992 to teach primarily within the medical course, but involvement with other courses will increase over the next three years and this will involve some curriculum development. The research interests of the unit are in the areas of neurosciences and in respiratory physiology/biochemistry. Appointee would be expected to establish an active research laboratory in their chosen field.

Essential criteria. PhD or equivalent, and a strong research record in biomedical sciences. Teaching experience at tertiary level desirable.

Further information from Professor T Nichols, telephone (08) 204 5390, facsimile (08) 277 0085. Details of conditions of appointment available from Human Resources Division, telephone (08) 201 2455, facsimile (08) 201 3131. Appointment will normally be made above A$45,630 pa.

Applications, addressing the selection criteria, quoting the reference number, and giving full details of qualifications and experience and the names, addresses and facsimile numbers of three referees of whom confidential enquiries may be made, should be lodged, in duplicate, with the Manager, Human Resources, The Flinders University of South Australia, GPO Box 2108, Adelaide SA 5001 by 10 July 1992.

The University reserves the right not to make an appointment to invite applications. Equal Opportunity is University Policy.

FLANDERS UNIVERSITY ADELAIDE • AUSTRALIA

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POSTDOCTORAL. The primary focus of this laboratory is to study the mechanisms by which adenosine and ATP exert their biological effects in the cardiovascular system. Cultured cardiac and vascular muscle cells are used as model systems. The techniques employed are transfection of cultured cells, cloning of purinergic receptor subtypes, ligand binding, second messengers and calcium transients. The availability of high efficiency transfectants and full-length cDNA clones for the receptors should be helpful for structure-function study. Contact Bruce Liang, M.D., Department of Medicine, 504 Johnson Pavilion, University of Pennsylvania, Philadelphia, PA 19104.

CHAIRPERSON, BIOCHEMISTRY. The Faculty of Medicine of the American University of Beirut in Beirut, Lebanon solicits applications and nominations for the position of Professor and Chairperson, Department of Biochemistry. Applicants and nominees should have documented success in research, education and administration. Please send nominations and applications by July 1, 1992 to Chair, Biochemistry Search, Office of the Dean, Faculty of Medicine, c/o American University of Beirut, 850 Third Avenue, 18th Floor, New York, NY 10022. The American University of Beirut is an equal opportunity/affirmative action employer. U.S. passports are presently invalid for travel to, in or through Lebanon, and for residence in Lebanon, by order of the Department of State, and therefore applications from individuals who would travel to or reside in Lebanon on a U.S. passport cannot at this time be considered.

POSITIONS DESIRED

Ph.D., 1992 (expected); Immunochemistry, protein chemistry, enzymology; Western blots, ELISA, MAb and F(ab)2 purification, enzyme activity assay, standard protein chemistry; such techniques, electrophoretic and conventional chromatographic techniques; Avail. October 1992; Research in industry/government/academia; Salary negot. 2-2211

Ph.D., 1985; Molecular biology, cell biology; Oncogenes/growth related genes, cloning/characterization of novel frequent retroviral integration regions, cDNA/genomic library construction, sequencing, Southern/Northern blots, nuclear run-offs, PCR/RT-PCR, tissue culture, CAT assay; Avail. June 1992; Research academia/industry; F1 visa. 2-2374

Ph.D., 1982; Physiology; Cardiovascular disease models, hypertension, cardiac hypertrophy, hemodynamics, biochemistry, HPLC techniques, isolated myocytes, contraction, electrophysiology, free calcium (Pura-2); Avail. July 1992; Research in academia/industry; Salary negot. 1-2376

Ph.D., 1985; Physiology/pharmacology; Receptor linked signal transduction pathways, cell dissociation, intracellular ion measurement, membrane isolation, ATPase measurement, radiolabel flux techniques, tissue culture, teaching experience; Avail. July 1992; Assistant professor level in academia/industry/government. 1-2377

Ph.D., 1984; Biochemistry, molecular biology, protein chemistry; Molecular cloning, in vitro transcription and translation, DNA sequence, PCR, protein purification, immunoprecipitation, electrophoresis, Western/Northern blotting; Avail. June 1992; Research in academia/industry; Salary negot.; PR. 2-2378

Ph.D., 1992 (expected); Biochemistry, biophysics; Protein isolation/purification, NMR, CD, HPLC, electrophoresis, chromatography, spectrophotometry, dynamic & kinetic study of protein; Interested in applying NMR techniques to problems in structural biology; Avail. August 1992; Research in academia/industry; Salary negot.; F1 visa. 2-2379

Ph.D., 1992 (expected); Membrane biophysics; Video and fluorescent microscopy, image analysis, patch clamp technique, tissue culture, membrane electrophoresis and electroporation, red blood cells, electronics; Avail. September 1992; Research/postdoc. in academia/industry; F1 visa. 2-2380

Ph.D., 1988; Physical chemistry, biochemistry, biophysics; Structure determination of biomacromolecules, CD, fluorescence polarisation, DSC, stopped-flow, 2-D NMR, molecular modeling, solid-phase synthesis of peptides, protein purification, reverse-phase HPLC; Avail. June 1992; Research/teaching in industry/academia; Salary negot.; PR. 2-2381

Ph.D., 1991; Cell biology; Cell growth regulation, oncogene expression, signal transduction, cell culture, DNA and RNA isolation, DNA recombination, Southern, Northern, flow cytometric cell cycle analysis, ELISA; Avail. August 1992; Research; Salary negot.; Chicago area; PR. 7-2382

Ph.D., 1986; Cardiology, molecular structure, biophysics; NMR, fluorescence spectroscopy (Ca2+ in vivo), technique development (patent held), mathematical modeling; Avail. August 1992; Research in academia/industry; Salary negot.; H1 visa. 1-2383

Ph.D., 1993 (expected); Biochemistry, enzymology and molecular biology; cDNA library screening, mRNA isolation, Northern/Western blotting, enzyme kinetics, cell fusion, ELISA, HPLC, gel electrophoresis, radioisotopic; Avail. September 1993; Postdoc in academia/industry; Salary negot.; PR of Canada. 2-2384

Ph.D., 1980; Protein chemistry; Protein sequencing, protein purification, electrophoresis, enzymology, immunology, angiotensin metabolism in canine cerebroventricles, tissue distribution of peptide activity, tissue levels of angiotensin peptide; Avail. September 1992; Research in academia/industry; Salary negot. 2-2373

Ph.D., 1990; Biochemistry, molecular biology; Cloning, DNA sequencing, gene expression, site-directed mutagenesis, protein purification, protein modification, protein fluorescence, membrane ion transport, electrophoresis, immunoblotting, microbial techniques & clinical biochemistry; Avail. August 1992; Research; H1 visa. 2-2598

Ph.D., 1985; Physiology, pharmacology, neuroscience; Vascular cell electrophysiology, fluorescence imaging (Ca2+), synaptic & sensory neurotransmission, peptides, nitric oxide, tissue baths, micromanipulation, transduction, cell culture, 19104.

Ph.D., 1990; Biochemistry, signal transduction, metabolic regulation; Tissue culture, protein purification, TLC, gel electrophoresis, analysis of metabolic intermediates, preparation of isolated hepatocytes, assay of protein kinase and phospholipase activities, protein phosphorylations in cells; Avail. July 1992; Research in industry. 2-2689

Ph.D., 1986; Smooth muscle physiology, electrophysiology, gastrointestinal motility; Patch clamp, microelectrode recording, in vivo/in vitro myo-electrical/mechanical recording, computerized data acquisition/analysis, general histology construc, immunocytochemical staining, RIA; Avail. June 1992; Research/teaching in academia/industry; H1 visa. 1-2706

Ph.D., 1989; Physiology, renal, cardiovascular, exercise; Central & renal interactions in hypertension, chronic, conscious rats/dogs, surgical instrumentation, hemodynamic/renal excretion & neural hormonal/HPLC/RIA/receptor binding/in vitro vessel ring technique; Avail. August 1992; Research in academia/industry; Midwest. 1-2708

Ph.D., 1977; Hypertension research; Cardiovascular diseases and physiology in models of hypertension, measurements of cardiac output, atrial pressures, direct sympathetic neural recordings in conscious live chronically instrumented animals; Avail. July 1992; Academia/industry; Salary negot. 1-2710

Ph.D., 1992 (expected); Receptor biochemistry, electrophysiology, Cell culture, EM, cell fluorescent labelling, PCR, physiology of vascular endothelial/smooth muscle cells, kinetics, dose-response curve fitting/mathematical manipulation, computer programming, whole cell patch clamp; Avail. July 1992; Postdoc in academia/industry; F1 visa. 1-2714

Ph.D., 1992 (expected); Immunology, molecular biology, protein chemistry; cDNA library construction/screening, cloning, Northern/Southern Western blotting, PCR, protein purification, ELISA, electrophoresis, tissue culture, proliferation and cytotoxicity assays, F/LFACS staining, analysis; Avail. December 1992; Postdoc. in academia/industry. 2-2715

Ph.D., 1992 (expected); Biochemistry; Primary cell culture, protein chemistry/purification, gel electrophoresis, Western blotting, column chromatography (HPLC), enzyme assays, animal systems; Avail. June 1992; Postdoc. in industry/academia; Salary negot.; New England. 2-2717

Ph.D., 1978; Biochemistry, enzymology, protein biochemistry, toxicology; Protein purification, characterization, analytical techniques, chemical modification of proteins/peptides, drug metabolism, biochemical toxicology; Avail. June 1992. 2-2721

Ph.D., 1987; Physical chemistry, molecular biology, protein chemistry; Cloning, DNA, RNA, PCR, gene expression & regulation, sequencing, Western, Southern, Northern blotting, tissue culture, NMR and EPR; Avail. June 1992; Research in industry/academia; Salary negot.; PR. 2-2723
Ph.D., 1992 (expected); Molecular biology/virology; Gel electrophoresis, blotting (Western/Southern/Northern/Dot), hybridization (DNA/DNA, RNA/RNA), tissue culture, PCR, cloning, sequencing, expression, peptide mapping, glycoprotein detection; Avail. September 1992; Postdoc. in academia/industry; Salary negot.; F1 visa. 2-2726

Ph.D., 1992 (expected); Pharmacology, behavioral teratology; Conditioned and unconditioned behavior procedures, drugs of abuse, animal surgery, stereotactic procedures, learning and memory, receptor binding assays, blood and brain levels; Avail. August 1992; Postdoc. in academia/industry. 3-2727

Ph.D., 1984; Pharmacology; Standard organ bath techniques (smooth muscle, vascular, cardiac), intracellular electrophysiological recording, small animal surgery, radioimmunoassays; Avail. August 1992; Research (negot.); F1 visa. 3-2731

Ph.D., 1992 (expected); Pharmacology/nutrition; Glucuronosyl transferase, mitochondria and microsomes, hepatocytes, primary cell culture, DNA damage and repair, HPLC, RIA, metabolic radiotracer studies, electrophoresis; Avail. September 1992; Postdoc. in research/industry; academia; F1 visa. 3-2733

Ph.D., 1988; Nutrition, food science/technology, nutrient/drug interactions; Trace minerals interaction, lipids/lipoprotein metabolism, animal surgery, in situ/isolated organ perfusion, tissue culture, TLC/GC, AA spectrometry, electrophoresis, radiotracers/immunoassays, enzyme assays; Avail. June 1992; Teaching/research in academia/industry; PR. 5-2738

Ph.D., 1989; Nutrition, molecular biology; Vitamin D-mediated gene expression, folate and antifolate metabolism in normal and cancer cell lines, cloning, in vitro transcription and translation, DNA/protein interactions, PCR, sequencing, Southern blotting, cDNA libraries, cell culture; Avail. July 1992; Research in industry; Salary negot. 5-2739

Ph.D., 1987; Nutrition, biochemistry, biology, physiology; Iron absorption in humans, rats, pigs, in vitro models, EPR, HPLC, GC, nutrient analyses, biochemical and molecular techniques; Avail. September 1992; Research in industry; Salary negot.; PR. 5-2741

Ph.D., 1980; Immunology, immunoncology; MAb and assay development, clinical diagnostics in areas of anemia, diabetes, infectious diseases, parasites and AIDS, protein and MAb purification and characterization, autoimmunity, cancer immunotherapy, Western blots, PAGE, CTL assays; Avail. June 1992; R&D in industry. 6-2744

Ph.D., 1992 (expected); Tumor immunology; Idiotype-specific CD4 and CD8 T cell line and clone against a lymphoma, MHC-Id (Ag) processing & presentation to T cells, cytotoxicity assay, adoptive immunotherapy, signal transduction, affinity purification, gel electrophoresis, purification Fab, Fc, hybridoma; Avail. January 1993; Postdoc.; F1 visa. 6-2745

Ph.D., 1970; Immunology, virology; Cellular immunity to tumors and viral infection, NK cells, IL-2 activated NK cells, GR to BMT and lymphoma, hematopoiesis, atherosclerosis/role of CMV & associated immune responses in atherosclerosis, cytotoxicity assay, tissue culture, MAb production; Avail. July 1992; Research; Salary negot. 6-2746

Ph.D., 1992 (expected); Immunology, microbiology, cell biology; Tissue culture, MAb production and conjugation, antisera production, in vitro bioassays, affinity chromatography, immunofluorescence microscopy, FACS analysis, dot blot hybridizations, PCR; Avail. July 1992; Postdoc. in academia/industry; St. Louis, MO; Salary negot.; PR. 6-2747

Ph.D., 1990; Immunology, cell biology; PCR (mRNA quantitation/cloning), oligonucleotide synthesis, North/South/RNase protection analysis, DNA cloning/sequencing, cDNA library preparation, cDNA genomic library screening, cell culture, ELISA, flow cytometry, small animal handling; Avail. September 1992; Industry; NJ, NY, CT; Salary negot. 6-2750

Ph.D., 1993 (expected); Immunology, glycobiology, pathogenic bacteriology; Glycolipid/lipopolysaccharide chemistry and immunology, HPTLC, HPLC, GC, Western blotting, cellular immunology, anaerobic bacteriology; Avail. July 1993; Research in academia/industry; Salary negot. 6-2751

Ph.D., 1983; Immunology of endothelial cells, Murine cerebral endothelial cell culture, cell surface MHC class I and II expression studies by flow cytometry, cytokine induction of adhesion molecules on endothelial cells, cellular immunology; Avail. September 1992; Research in academia/industry. 6-2752

Ph.D., 1992 (expected); Immunology, molecular biology; Tissue culture, cytotoxicity assays, isolation of mononuclear cells from peripheral blood, production and bioassays of lymphokines, ELISA, cAMP extraction and detection by RIA, gel electrophoresis, Western blotting; Avail. October 1992; Postdoc./research in academia/industry; F1 visa. 6-2753

Ph.D., 1989; Immunology; Immunofluorescence, cytokine assays, LDA, cytotoxicity, chemotaxis, in situ hybridization, Western blotting, tissue culture, histology, T cell memory and activation, NK cells, medical technologist; Avail. December 1992; Research in industry; Salary negot. 6-2754

Ph.D., 1992 (expected); Immunology; Macrophage functions, cytokine assays including TNF, IFN, and IL-1; radiotracers/cytotoxicity assays, PAGE, FACS, PCR, and electron microscopy; Avail. January 1993; Postdoc. in academia/industry; Salary negot. 6-2756

Ph.D., 1984; Immunotoxicology, immunopharmacology, cell biology, immunology; Immunotoxicology, macrophage function, MAb production, purification, conjugation, immunoassays, diagnostics, wound healing, animal surgery, preclinical studies for FDA, report and manuscript writing; Avail. June 1992; Applied research. 6-2758

Ph.D., 1985; Cell biology, zoology; 1-, 2-D PAGE, protein purification, radiolabelling, immunochemistry, cell and tissue culture, video/digital fluorescent microscopy, intracellular calcium in endothelium, in vitro models of inflammation and ischemia; Avail. September 1992; Teaching, research, technical supervision; West. 7-2759

Ph.D., 1987; Cell biology, biochemistry; Cell culture of mammalian cell lines (including human), Western/Southern blot, electrophoresis, TLC, immunofluorescence, column chromatography, ion transport, ELISA, RIA, radiolabeling, teaching; Avail. June 1992; Nonresearch in government/industry. 7-2760

Ph.D., 1992 (expected); Pharmacology, cell biology; Vesicular traffic, exocytosis, protein purification, cell culture, pulse labeling, SDS-PAGE, blotting, immunoassay, cytochemistry, receptor binding, subcellular fractionation, computer programming, electronic design, Avail. October 1992; Postdoc.; Salary negot.; F1 visa. 7-2761

M.S., 1992 (expected); Nutrition, biochemistry, tissue culture, cytotoxicity assay, enzymatic kinetic analysis, radioimmunoassay, electrophoresis, animal surgery, statistics; Avail. June 1992; Research in academia/industry; Salary negot.; F1 visa. 8-2762

Ph.D., 1992 (expected); Nutritional sciences, cancer biology/nutrition biochemistry; Role of retinoids in growth, differentiation and carcinogenesis, cell attachment, extracellular matrix, glycosylation, cell culture, immunoprecipitation, Western/Northern analysis; Avail. September 1992; Postdoc. in academia/government/industry; Salary negot. 5-2763

Ph.D., 1987; Biochemistry, food science, nutrition; Retinoids metabolism/analysis by MS-HPLC, 14C/3H, biotechnology and molecular biology of yeast pyruvate kinase (culture, purification, cloning, maturation-PCR, oligonucleotide synthesis); Avail. June 1992; Research in academia/industry; Salary negot.; Urban. 2-2764

Ph.D., 1993 (expected); Chemical engineering; Transport phenomena, analytical modeling, cell culture techniques, fluorescence microscopy/labeling, cytotoxicity/superoxide assays, animal surgery; Avail. February 1993; Research in academia/industry; Salary negot.; F1 visa. 2-2765

Ph.D., 1986; Cell biology, cancer research; Cytokines, growth factors, oncogenes, tissue culture, tumorigenicity, clonogenicity, plasmid construction, Southern/Northern/Western blotting, protein purification, enzyme activity, receptor binding/Scatchard; Avail. July 1992; Research in industry; Salary negot.; West Coast. 7-2766

Ph.D., 1990; Synaptic physiology, signal transduction, neuropharmacology; Electrophysiology (intra- and extracellular), immunohistochemistry, postsynaptic antibody production, radioenzyme assays, ELISA, HPLC, bioassays, neurotransmitter release (in vitro), light-level microscopy; Avail. July 1992; Research in industry/academia; US/UK. 1-2767

Ph.D., 1992 (expected); Physiology; Microcirculation, cardiovascular adaptations to weightlessness in ground based animal models, in vivo microvascular preparation and observation, in vitro vascular ring, drug infusions, small animal surgery; Avail. December 1992; Scientific laboratory position in industry/government/nonprofit; PR. 1-2956
NEW PRODUCTS & LITERATURE

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The Wheaton self-center limited-volume insert has a unique design that eliminates the need to center your insert in the vial. The plastic top-spring acts as a shock absorber, which helps to prevent damage to the injector needle and vial. This 0.15 mL vial is 5 × 29 mm high and can be used with the Wheaton E-Z Auto Vial™, E-Z Auto Snap Ring Vial, and the Wheaton Polypropylene Vial. Wheaton, 1301 N. Tenth St., Millville, NJ 08332, USA.

An assay system for quantitative determinations of neopterin levels in serum, EDTA plasma, or urine samples is available from INCSTAR. Neopterin, a pyrazino-[2,3-d]-pyrimidine compound, is a mediator in the biosynthesis of tetrahydrobiopterin, the co-factor of aromatic hydroxylases. It is produced by human monocytes and macrophages following induction by supernatants from activated T-lymphocytes or by other lymphokines and activating agents. Its presence has been associated with increased levels of β2-microglobulin, IL-2, IFN-gamma and TNF in various disorders. Both serum β2-microglobulin and neopterin levels increased during impaired renal function and viral infection in transplant recipients. In addition, elevated neopterin levels have been shown to be a marker for activation of cell-mediated immunity as well as for conditions related to impaired cellular immunity.

The INCSTAR Neopterin RIA procedure is a competitive binding radioimmunoassay, which utilizes a purified neopterin for standards and a neopterin analogue to the tracer. INCSTAR Corp., PO. Box 285, 1990 Industrial Boulevard, Stillwater, MN 55082, USA.

Isotype Ab-STXI™II ("ISO II"), a 5-minute, instrument-free, membrane-based enzyme immunoassay allows for simple characterization of major mouse immunoglobulin heavy chain and light chain class. The ISO II test cartridge comes with the capture antibodies coated on separate miniwells in the cartridge. Included are specificities for IgA, IgG, IgM, x and λ. The user applies a sample of cell culture supernatant, bioreactor product, ascites fluid or purified antibody and then performs a series of steps leading to color development on the membrane. Results are read visually.

Further IgG subclass differentiation (IgG1, IgG2a, IgG2b, IgG3) is easy with this test kit. SangStat Medical, 1505-B Adams Dr., Menlo Park, CA 94025, USA.

The Dubnoff metabolic shaking incubator bath is designed for biochemical and biological reactions that require a gas-conditioned atmosphere, constant temperature, and uniform shaking motion. Applications include metabolic research, tissue culture, fermentation, diffusion, and dialysis studies. The incubator has been improved by incorporating microprocessor control of temperature and shaking speed, as well as easy-to-read digital display for temperature and shaking speed readouts. Working area is 11½“ × 11½“ × 3”. The unit’s temperature uniformity is ±0.05°C at 37°C for minimal temperature variation between samples. Flow meter is optional for monitoring O2, N2, and CO2. Precision Scientific Inc., 3737 W. Cortland St., Chicago, IL 60647, USA.

CelliGen Plus™, a second-generation bioreactor has been developed with versatility to propagate almost any cell line, with cell densities in excess of 5.0 × 10⁷ cells/mL and viabilities approaching 95%. For production of whole cells, this system builds on the proven stirred-tank cell lift technology of the original design, with the addition of a variety of interchangeable accessories including a double-screen gas exchange impeller, marine blade or pitched blade, accommodating hybridomas, insect and mammalian cells. New Brunswick Scientific Co., Inc., 44 Talmadge Rd., Edison, NJ 08838-4005, USA.

Maxima C, a family of chemical- and corrosion-resistant rotary-vane pumps, is ideal for electron microscopy, mass spectrometry, plasma processes, freeze drying, and vacuum furnaces, as well as
the usual applications in vaporization, concentration, degassing, and filtration. Pumps are free from materials subject to corrosive attack. The entire inner pump body can be replaced in 30 min without detaching pump from system. Fisher Scientific, 711 Forbes Ave., Pittsburgh, PA 15219, USA.

The ConSep™ LC 100 System, designed for fast, easy biomolecule purification with high bio-activity, is ideal for ion-exchange chromatography, affinity chromatography, hydrophobic interaction, desalting, concentration, and other chromatographic procedures used in the purification of proteins, DNA, peptides, and other biomolecules. The system is optimized for Membrane Convective Liquid Chromatography (MCLC), which uses high flow rates (50 mL/min) with accurate gradients. The ConSep LC 100 system can also run soft gels and smaller prep columns. Millipore Corp., Bedford, MA 01730, USA.

Chemical information management software, SYBYL/3DB UNITY, provides critical analysis tools for effective management of today's chemical information. It is the first searching system to provide a completely open approach to defining screens during 2D and 3D searches. Screens are independent of fragments and can be customized. UNITY's flexibility is unique—users or database administrators can use system-supplied defaults or have complete control of the crucial screening system. Tripos Associates, Inc., 1699 South Hanley Rd., Suite 303, St. Louis, MO 63144, USA.

Literature

A full-color brochure describing Amersham's range of Biotrack enzyme immunoassays for the detection and measurement of cytokines, including interleukins (1-8), tumor necrosis factor (L and B), granulocyte colony stimulating factor, and granulocyte macrophage colony stimulating factor. Amersham International, Amersham Pl., Little Chalfont, Buckinghamshire, HP7 9NA, England.

Versatile design tissue bath allows for multiple applications. An 8-page brochure details the isosmotic series of isolated tissue baths. Constructed of annealed borosilicate glass in varying capacities (5-100 ml), the innovative configurations can solve a multitude of variant temperature problems, eliminating the need for additional instrumentation and apparatus. Metro Scientific, Inc., 60-T Willow Park Center, Farmingdale, NY 11735, USA.

An 8-page color brochure describes a series of innovative computer-based training programs for HPLC to train both beginners and experts. Highly engaging and interactive instruction programs illustrate the concepts and operation of HPLC systems using sophisticated animated graphics and state-of-the-art hypermedia techniques. Phenomenex, Inc., 2320 W. 205th St., Torrance, CA 90501, USA.

Tropix's 1992/1993 product catalog includes a full range of products for non-radioactive analysis of nucleic acids and proteins. The catalog describes chemiluminescent kits for Western blotting, DNA sequencing, ELISA, Southern blotting, and Northern blotting. Chemiluminescent substrates for alkaline phosphatase and β-galactosidase including the new high performance alkaline phosphatase substrate developed by Tropix, CSPD®, are described along with a series of unique chemiluminescence enhancers and membrane treatments. Tropix, Inc., 47 Wiggins Ave., Bedford, MA 01730, USA.
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Some People Just See a Rat.
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Hopefully, sooner or later there will be a cure for cancer, a vaccine against AIDS and an effective treatment for Alzheimer’s.

And when these breakthroughs occur it will be thanks to the rats and other laboratory animals that are so vital to medical research.

Because, historically, no cure, no vaccine, no revolution in surgery was ever discovered without animal research.

Today, however, there is a movement afoot that would ban the use of laboratory animals in the war against disease. This so-called “animal rights” movement believes that animals and humans are equal, and that “even if animal research resulted in a cure for AIDS, they would be against it.” In their war against biomedical research, the animal rights activists use disinformation, pressure tactics and active terrorism.

The notion that a rat and a child are equal is an obscenity to most Americans. The belief that research which can save the lives of millions of humans (and yes, even animals) should be paralyzed, is an outrage against all living creatures.

Americans for Medical Progress salutes the dedicated men and women working to conquer the illnesses that plague mankind.

Americans for Medical Progress exists to provide grassroots support for the scientists who are the front line in the war against disease.

More importantly, we’ve formed the Americans for Medical Progress Educational Foundation to spearhead the critical effort to educate American opinion leaders and citizens about the need for animal research. Because society cannot allow itself to be manipulated by a handful of zealots who would equate the life of a rat with that of a child.

You are invited to join the Americans for Medical Progress Educational Foundation. Your membership will send a clear and unequivocal message to caring people everywhere that human life and the quality of human life are the number one priority of every sane, sensitive and thinking individual.

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