<table>
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<tr>
<th>Sponsor</th>
<th>Meeting/themes</th>
<th>Deadlines</th>
<th>Location</th>
<th>For additional information</th>
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<tbody>
<tr>
<td>APS</td>
<td>New Discoveries within the Pancreatic Polypeptide Family: Molecules to Medicine</td>
<td>September 8, 1995&lt;sup&gt;a&lt;/sup&gt; October 26, 1995&lt;sup&gt;b&lt;/sup&gt;</td>
<td>Newport Beach, California</td>
<td>APS National Office&lt;sup&gt;c&lt;/sup&gt; Phone: 301-530-7164 FAX: 301-571-1814</td>
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<td></td>
<td>Experimental Biology '96</td>
<td>December 1, 1995&lt;sup&gt;c&lt;/sup&gt; February 23, 1996&lt;sup&gt;d&lt;/sup&gt; March 14, 1996</td>
<td>Washington, D.C.</td>
<td>FASEB Office of Scientific Meetings and Conferences&lt;sup&gt;e&lt;/sup&gt;</td>
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<tr>
<td>ASBMB</td>
<td>Activation of Transcription Response to Extracellular Signaling Proteins</td>
<td>September 5, 1995&lt;sup&gt;a&lt;/sup&gt; September 15, 1995&lt;sup&gt;a&lt;/sup&gt;</td>
<td>Keystone, Colorado</td>
<td>ASBMB Society Office&lt;sup&gt;d&lt;/sup&gt; Phone: 301-530-7145 FAX: 301-571-1824</td>
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<td></td>
<td>Determinants of Specificity of Growth Factor Signaling</td>
<td>September 13, 1995&lt;sup&gt;a&lt;/sup&gt; September 29, 1995&lt;sup&gt;a&lt;/sup&gt;</td>
<td>Lake Tahoe, California</td>
<td>(Same as above)</td>
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<td></td>
<td>The Role of Lipid Messengers in Signal Transduction Pathways, Cellular Regulation and Disease</td>
<td>September 20, 1995&lt;sup&gt;a&lt;/sup&gt; October 6, 1995&lt;sup&gt;a&lt;/sup&gt;</td>
<td>Keystone, Colorado</td>
<td>(Same as above)</td>
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<td></td>
<td>ASBMB/ASIP/AAI Joint Meeting</td>
<td>June 2-6, 1996</td>
<td>New Orleans, Louisiana</td>
<td>FASEB Office of Scientific Meetings and Conferences&lt;sup&gt;e&lt;/sup&gt;</td>
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<tr>
<td>ASPET</td>
<td>Experimental Biology '96</td>
<td>December 1, 1995&lt;sup&gt;d&lt;/sup&gt; February 23, 1996&lt;sup&gt;d&lt;/sup&gt; March 14, 1996&lt;sup&gt;d&lt;/sup&gt;</td>
<td>Washington, D.C.</td>
<td>FASEB Office of Scientific Meetings and Conferences&lt;sup&gt;e&lt;/sup&gt;</td>
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<tr>
<td>ASIP</td>
<td>COURSE: Concepts in Molecular Biology</td>
<td>October 6-9, 1995</td>
<td>Bethesda, Maryland</td>
<td>ASIP Office&lt;sup&gt;d&lt;/sup&gt; Phone: 301-530-7130 FAX: 301-571-1879</td>
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<td></td>
<td>ASBMB/ASIP/AAI Joint Meeting</td>
<td>New Orleans, Louisiana</td>
<td>(Same as above)</td>
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<td>AIN</td>
<td>Experimental Biology '96</td>
<td>December 1, 1995&lt;sup&gt;d&lt;/sup&gt; February 23, 1996&lt;sup&gt;d&lt;/sup&gt; March 14, 1996&lt;sup&gt;d&lt;/sup&gt;</td>
<td>Washington, D.C.</td>
<td>FASEB Office of Scientific Meetings and Conferences&lt;sup&gt;e&lt;/sup&gt;</td>
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<td>AAI</td>
<td>ASBMB/ASIP/AAI Joint Meeting</td>
<td>New Orleans, Louisiana</td>
<td>(Same as above)</td>
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<td>ASCB</td>
<td>ASCB/The European Molecular Biology Organization: Cytoskeletal Proteins and Neurodegenerative Disease</td>
<td>August 5-10, 1995</td>
<td>Cambridge, United Kingdom</td>
<td>ASCB Office&lt;sup&gt;d&lt;/sup&gt; Phone: 301-530-7153 FAX: 301-530-7139</td>
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<td></td>
<td>ASCB 34th Annual Meeting</td>
<td>August 1, 1995&lt;sup&gt;d&lt;/sup&gt;</td>
<td>Washington, D.C.</td>
<td>FASEB Office of Scientific Meetings and Conferences&lt;sup&gt;e&lt;/sup&gt;</td>
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<tr>
<td>Biophysical Society</td>
<td>Biophysical Society Meeting</td>
<td>October 16, 1995&lt;sup&gt;d&lt;/sup&gt; December 8, 1995&lt;sup&gt;d&lt;/sup&gt; January 8, 1996</td>
<td>Baltimore, Maryland</td>
<td>FASEB Office of Scientific Meetings and Conferences&lt;sup&gt;e&lt;/sup&gt;</td>
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<tr>
<td>AAA</td>
<td>Experimental Biology '96</td>
<td>December 1, 1995&lt;sup&gt;d&lt;/sup&gt; February 23, 1996&lt;sup&gt;d&lt;/sup&gt; March 14, 1996&lt;sup&gt;d&lt;/sup&gt;</td>
<td>Washington, D.C.</td>
<td>FASEB Office of Scientific Meetings and Conferences&lt;sup&gt;e&lt;/sup&gt;</td>
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<sup>a</sup>Advance Registration  <sup>b</sup>650 Rockville Pike, Bethesda, MD 20814, USA  <sup>c</sup>Housing  
<sup>d</sup>Abstract deadline  <sup>e</sup>Phone: 301-530-7010; FAX 301-530-7014
A comprehensive calendar is published 4 times a year (January, April, July, and October); new listings appear in other months. The calendar lists open meetings of a biological topic: conferences, symposia, courses, and workshops. To have your event listed, please include the date and year of the meeting, its title and location, and a contact name and address and send the information to Calendar Editor, The FASEB Journal, 9650 Rockville Pike, Bethesda, MD 20814, USA

1995

22-27 July. FASEB Summer Conferences: Phospholipases, Saxtons River, Vermont, USA. (FASEB Summer Sch. Ofc., 9650 Rockville Pk., Bethesda, MD 20814-3998, USA)

23-28 July. FASEB Summer Conferences: Drugs of Abuse - Psycho stimulants: Issues Related to Craving, Dependence and Treatment, Copper Mountain, Colorado, USA. (FASEB Ofc. of Scientific Mgs. and Conf., 9650 Rockville Pk., Bethesda, MD 20814-3998, USA)

23-29 July. The 9th International Congress of Immunology, San Francisco, California, USA. (FASEB Ofc. of Scientific Mgs. and Conf., 9650 Rockville Pk., Bethesda, MD 20814-3998, USA)

*25-26 July. Ion Channels in the CNS, Washington, D. C., USA. (Strategic Rch. Inst., 500 Fifth Ave., New York, NY 10010, USA)

25-27 July. Consensus Symposium on Combined Antiviral Therapy, Lisbon, Portugal. (The Macnae Group, 230 E. 79th St., Ste. 8E, New York, NY 10021, USA)

25-28 July. American Society of Animal Science, Orlando, Florida, USA. (M. Kelley, 1995 ASAS Annual Mgs., 309 W. Clark St., Champaign, IL 61820, USA)

29 July-3 August. Recent Progress in Hormone Research, Stevenson, Washington, USA. (The Endocrine Society, 9650 Rockville Pk., Bethesda, MD 20814-3998, USA)

29 July-3 August. FASEB Summer Conferences: Hemostatic Neoplasma: Altered State of Transcriptional Regulation, Saxtons River, Vermont, USA. (FASEB Summer Sch. Ofc., 9650 Rockville Pk., Bethesda, MD 20814-3998, USA)

30 July-4 August. FASEB Summer Conferences: Genetic and Behavioral Influences on Nutrition Metabolism and Obesity, Copper Mountain, Colorado, USA. (FASEB Summer Sch. Ofc., 9650 Rockville Pk., Bethesda, MD 20814-3998, USA)

5-10 August. FASEB Summer Conferences: Cellular and Molecular Basis of Cerebrovascular Muscle Defense, Saxtons River, Vermont, USA. (FASEB Summer Sch. Ofc., 9650 Rockville Pk., Bethesda, MD 20814-3998, USA)

5-10 August. FASEB Summer Conferences: Genetic Recombination and Genome Rearrangements, Snowmass Village, Colorado, USA. (FASEB Summer Sch. Ofc., 9650 Rockville Pk., Bethesda, MD 20814-3998, USA)

*5-10 August. ASCB/The European Molecular Biology Organization: Cyto- skeletal Proteins and Neurodegenerative Disease, Cambridge, United Kingdom. (ASCB Ofc., 9650 Rockville Pk., Bethesda, MD 20814-3998, USA)

6-11 August. FASEB Summer Conferences: Lipid Modifications of Proteins, Copper Mountain, Colorado, USA. (FASEB Summer Sch. Ofc., 9650 Rockville Pk., Bethesda, MD 20814-3998, USA)

7-11 August. 4th International Congress on Amino Acids, Vienna, Austria. (G. Lubec, U. of Vienna, Dept. of Paediatrics, A-1090 Vienna, Währinger Gürtel 18, Austria)

12-17 August. FASEB Summer Conferences: Antioxidant Nutrients in the Cellular Biology of Health and Disease, Saxtons River, Vermont, USA. (FASEB Summer Sch. Ofc., 9650 Rockville Pk., Bethesda, MD 20814-3998, USA)

13-18 August. FASEB Summer Conferences: New Functions of Thrombin, Copper Mountain, Colorado, USA. (FASEB Summer Sch. Ofc., 9650 Rockville Pk., Bethesda, MD 20814-3998, USA)

13-18 August. 23rd Meeting of the Federation of European Biochemical Societies, Basel, Switzerland. (FEBS '95 Convention Ctr. Basel, Congress Dept., P. O. Box, Messeplatz 21, CH-4021 Basel, Switzerland)

19-22 August. Quantitation of the Major Lipoprotein Pathways, Aspen, Colorado, USA. (Aspen Bile Acid/Lipoprotein Conf., 4200 E. 9th Ave., Box B145, Denver, CO 80262, USA)

20-25 August. FASEB Summer Conferences: Amyloid and other Abnormal Protein Assembly Processes, Copper Mountain, Colorado, USA. (FASEB Summer Sch. Ofc., 9650 Rockville Pk., Bethesda, MD 20814-3998, USA)

20-25 August. 2nd International Conference on Environmental Mutagens in Human Populations, Prague, Czech Republic. (R. Sr m, Lab. of Genetic Ecotoxicology, The Prague Inst. of Advanced Studies, U. Mlchelského lesa 366, 140 00 Prague 4, Czech Republic)

27-31 August. Fourth International ISSX Meeting, Seattle, Washington, USA. (Convention Services Northwest, 1809 7th Ave., Ste. 1414, Seattle, WA 98101, USA)

27-31 August. 4th International Conference on Thioredoxins and Related Proteins: Structures and Function, Wittenhausn, Germany. (H. Fillmann, Fachbereit Biologie-Chemie der Univ. D-34109 Kassel, Germany)

27 August-1 September. 10th International Congress of Radiation Research, Würzburg, Germany. (C. Steffer, Inst. für Med Strahlenbiologie, Univ. Essen, D-45122 Essen, Germany)

3-6 September. The 11th European Congress on Multiple Sclerosis, Jerusalem, Israel. (Secretariat, P. O. Box 50006, Tel-Aviv 61500, Israel)

3-8 September. AFMC International Medicinal Chemistry Symposium, Tokyo, Japan. (S. Ikegami, Faculty of Pharmaceutical Science, Teikyo U., Sagamiko, Kanagawa 19901, Japan)

4-8 September. Central European Anesthesia Congress (ZAK 95), Vienna, Austria. (W Zw"ller, P. O. Box 52, A-1097 Vienna, Austria)

6-9 September. 13th Meeting on Yeast Transport and Energetics, Trest, Czech Republic. (A. Kotyk, Inst. of Physiology, CzAcadSci. 142 20 Prague 4, Czech Republic)

7-9 September. Surfaces in Biomaterials Symposium, Minneapolis, Minnesota, USA. (ARDEL Mgmt., P. O. Box 26111, Minneaplis, MN 55426-0111, USA)

9-12 September. 1st Congress of the Federation of European Physiological Societies (FEPS), Maastricht, The Netherlands. (FEPS, P. O. Box 1412, 6201 BK Maastricht, The Netherlands)

10-13 September. International Symposium on Human Gene Therapy, Inuyama/Nagoya, Japan. (W. Whelan, U. of Miami Sch. of Med., P. O. Box 016129, M823, Miami, FL 33101, USA)
12-15 September. The 3rd International Cytokine Society Conference, North York- shire, United Kingdom. (Conference Secretariat, IBC Technical Services, Gilmorra House, 57-61 Mortimer St., London W1Y 7TD, United Kingdom)

12-16 September. 2nd International Congress of the World Federation of Sleep Research Societies, Nassau, The Bahamas. (J. Franzblau, Global Events, 710 N. Trenton Dr., Beverly Hills, CA 90210, USA)

13-16 September. The Second International Congress of the Polish Neuroscience Society, Cracow, Poland. (K. Osowska, Inst. of Pharmacology, Polish Academy of Sciences, 12 Smetna St., 31-343 Krakow, Poland)


17-20 September. International Conference on Molecular Structural Biology, Vienna, Austria. (A. Kungl, Gesellschaft Österreichischer Chemiker, Nibelungengasse 11/6, A-1010 Wien, Austria)

17-22 September. Inflammation '95, Brighton, United Kingdom. (Inflammation '95, c/o K. Dorelli, Triangle House, Broomhill Rd., London SW18 4HX, United Kingdom)


21-24 September. Symposium on Stimulating Factor-1: Molecular Mechanisms in Development and Disease, Ames, Iowa, USA. (Growth Factor Conferences, MCDR/ISU Symposium, 3208 Molecular Biology, Bldg., Iowa State U., Ames, IA 50011-3250, USA)

23 September. Metabolism at the Edge. Threats to Homeostasis from Hostile Environments, Hypoxia and Indulgent Diets, Wollongong, NSW, Australia. (W. Golquhoun, Dept. of Biochemistry, U. of Tasmania, GPO Box 252C, Hobart 7001, Australia)

27-30 September. Molecular and Developmental Biology of Cartilage, Bethesda, Maryland, USA. (Conference Dept., NYAS, 2 E. 63rd St., New York, NY 10021, USA)

1-4 October. Engineering Plants for Commercial Products/Applications, Lexington, Kentucky, USA. (Intl. Symposium on Engineering Plants, c/o Conf. and Inst., 218 Peterson Service Bldg., Lexington, KY 40506-0005, USA)

4-7 October. Eicosanoids and Other Bioactive Lipids in Cancer, Inflammation and Radiation Injury, Hong Kong, China. (K. Honn, Wayne State U., 431 Chemistry Bldg., Detroit, MI 48202, USA)

*6-9 October. ASBMB Symposium: Transcriptional Activation in Response to Cytokines and Growth Factors, Keystone, Colorado, USA. (ASBMB Society Ofc., 9650 Rockville Pk., Bethesda, MD 20814-3996, USA)

13-14 October. Tumor Markers: From Biology to Therapy, Athens, Greece. (J. Dellenassios, Int'l. Inst. of Anticancer Resh., 1st Km Kapandritiou-Kalamou Rd., P. O. B. 22, Kapandriti, Attiki 19014, Greece)

13-15 October. American College of Nutrition 36th Annual Meeting, Washington, D.C., USA. (E. Bert, American Coll. of Nutrition, Hospital for Joint Disease, 301 E. 17th St., New York, NY 10003, USA)

13-15 October. Symposium on RNA Biology: I. RNA-Protein Interactions, Research Triangle Park, North Carolina, USA. (P. Agris, Dept. of Biochemistry, North Carolina State U., Box 7622, Raleigh, NC 27695, USA)

15-19 October. X International Congress of EMC and Clinical Neurophysiology, Kyoto, Japan. (J. Kimura, Dept. of Neurology, Kyoto U. Hospital, Shogoin Sakyo, Kyoto 606, Japan)

17-20 October. 35th Interfacility Conference on Antimicrobial Agents and Chemotherapy, San Francisco, California, USA. (Mtg. Dept., American Society for Microbiology, 1325 Massachusetts Ave., N.W., Washington, DC 20005-4171, USA)

17-20 October. Genetic Mechanisms of Cancer, Houston, Texas, USA. (U.T.M.D. Anderson Cancer Ctr., Conf. Svcs. #30008034-5105, 1515 Holcombe Blvd., Box 131, Houston, TX 77030-4095, USA)

17-22 October. Fifth International Conference of Anticancer Research, Corfu, Greece. (J. Dellenassios, Int'l. Inst. of Anti-cancer Resh., 1st Km Kapandritiou-Kalamou Rd., P. O. B. 22, Kapandriti, Attiki 19014, Greece)

*20-23 October. ASBMB Symposium: The Role of Lipid Messengers in Signal Transduction Pathways, Cellular Regulation and Disease, Keystone, Colorado, USA. (ASBMB Society Ofc., 9650 Rockville Pk., Bethesda, MD 20814-3996, USA)

*21-25 October. Mechanisms and Prevention of Environmentally Caused Cancers, Santa Fe, New Mexico, USA. (The Lovelace Inst., 2425 Ridgecrest Dr., S. E., Albuquerque, NM 87108, USA)


22-27 October. Fifth International Conference on the Chemistry and Biology of Mineralized Tissues, Kohler, Wisconsin, USA. (L. Keller, Secretariat, The U. of Texas Hlth. Sci. Ctr. at San Antonio, 7703 Floyd Curl Dr., San Antonio, TX 78284-7823, USA)


24-28 October. The American Society of Human Genetics 45th Annual Meeting, Minneapolis, Minnesota, USA. (M. Ryan, The American Society of Human Genetics, 9650 Rockville Pk., Bethesda, MD 20814-3996, USA)

*27-30 October. ASBMB Symposium: Receptor Engineering, Lake Tahoe, California, USA. (ASBMB Society Ofc., 9650 Rockville Pk., Bethesda, MD 20814-3996, USA)

27 October-1 November. 9th International Conference on Second Messengers and Phosphoproteins, Nashville, Tennessee, USA. (S. Francis, Dept. of Molecular Physiology and Biophysics, 702 Light Hall, Vanderbilt U. Sch. of Med., Nashville, TN 37232-0615, USA)

28 October-2 November. 9th International Conference on Second Messengers and Phosphoproteins, Nashville, Tennessee, USA. (S. Francis, Conf. Executive Secretary, Light Hall 702, Dept. of Molecular Physiology and Biophysics, Vanderbilt U. Sch. of Med., 21st Ave and Garland Ave., Nashville TN 37232-0615, USA)

7-10 November. XII International Symposium on Drugs Affecting Lipid Metabolism, Houston, Texas, USA. (Giovanni
International Symposium on Plant DNA and Preservation
Lake San Marcos Resort, San Diego, California, September 17-20, 1995
Organized by: J. Mikesche, H. Shands and S. Heller, USDA/ARS

This international meeting will establish a global network to preserve plant DNA. Individuals with expertise in molecular biology and taxonomy will gather at Lake San Marcos Resort Conference Center with a diverse group of government, biotechnology, computer science, non-profit organization, and academic professionals. The focus will be the establishment of collections of plant DNA that are freely accessible to all researchers. Methods for harvesting the new fruits of plant genetic engineering and new opportunities in this emerging industry will be presented.

Session I. A New Plant DNA Bank
Session II. DNA, Needs for the Future
Session III. DNA, Purification and Preservation
Session IV. Germplasm and Tissue Preservation
Session V. DNA Collections, Databases, On-Line Services
Session VI. DNA and Germplasm Preservation Efforts
Session VII. Cooperative Research Efforts
Session VIII. A. The Future is Now: Crops, Drugs, and Products from Plant Genetic Engineering

International Symposium of Plant DNA and Preservation
Project Green Gene
Post Office Box 3512
Vista, CA 92083
Meeting Registration: voice 619-945-2321 fax 619-724-8171
Accommodations at Lake Marcos Resort: 619-744-0120

Lorenzini Med. Fndn., 6550 Fannin, Ste.
1287, Houston, TX 77030, USA)

8-11 November. XII International Symposium on Drugs Affecting Lipid Metabolism, Houston, Texas, USA. (Giovanni Lorenzini Med. Fndn., One Baylor Plaza, Rm. 826E, Houston, TX 77030, USA)

*8-11 November. APS Conference: New Discoveries within the Pancreatic Polypeptide Family: Molecules to Medicine, Newport Beach, California, USA. (APS Natl. Ofc., 9650 Rockville Pk., Bethesda, MD 20814-3992, USA)

9-13 December. ASCB 34th Annual Meeting, Washington, D. C., USA. (FASEB Ofc. of Scientific Migs. and Conf., 9650 Rockville Pk., Bethesda, MD 20814-3998, USA)

1996

*18-22 February. Biophysical Society Meeting, Baltimore, Maryland, USA. (FASEB Ofc. of Scientific Migs. and Conf., 9650 Rockville Pk., Bethesda, MD 20814-3998, USA)


Courses and Workshops

1995

2-4 August. Introduction to Molecular Cytogenetics, Gaithersburg, Maryland, USA. (Oncor, Inc., 209 Perry Pkwy., Gaithersburg, MD 20877, USA)

5-11 August. Protein Purification: Isolation, Analysis, and Characterization, New Bruns-wick, New Jersey, USA. (Ofc. of Continuing Professional Education, Cook Coll., P. O. Box 231, New Brunswick, NJ 08903, USA)

12-19 August. The Sixteenth Annual Comprehensive Fine Needle Biopsy Course, San Francisco, California, USA. (U. of California, San Francisco, Ofc. of CME, Rm. MCB-630, San Francisco, CA 94143-0742, USA)

13-25 August. Pathogenesis of Neuroimmunologic Diseases, Woods Hole, Massachusetts, USA. (Admissions Coordinator, Marine Biological Lab., Woods Hole, MA 02543, USA)

7 September. Apoptosis Research Techniques for Flow Cytometry, Gaithersburg, Maryland, USA. (Oncor, Inc., 209 Perry Pkwy., Gaithersburg, MD 20877, USA)

8 September. Apoptosis Research Techniques for Histocytometry, Gaithersburg, Maryland, USA. (Oncor, Inc., 209 Perry Pkwy., Gaithersburg, MD 20877, USA)

9-20 September. 1995 Symposium and Summer School Neural Plasticity, Traumas and Regeneration, Isola d'Elba, Italy. (R. Perez-Polo, UTMB, 310 University Blvd., Galveston, TX 77555-0652, USA)

10-12 September. New Approaches, End-Points and Paradigms for RDAs of Mineral Elements, Grand Forks, North Dakota, USA. (F. Nielsen, USDA, ARS, Grand Forks Human Nutrition Res. Ctr., Grand Forks, ND 58202-9034, USA)

14-17 September. The Third International Symposium on Cutaneous Fungal, Bacterial, and Viral Infection and Therapy, San Francisco, California, USA. (Ofc. of Continuing Med. Ed., Rm. MCB-630, U. of California, San Francisco, CA 94143-0742, USA)

28 September-9 October. 4th International Science and Technology Innovation Fair: Exposcience Exotechnology 95, Bogota, Columbia. (Assoc. Colombiana para el Avance de la Ciencia: Cra. 50 No 27-70 Bloque C Medulo 3 A.A., 92581 Bogota, Colombia)


This section is published as a service to our readers; it is not intended as an endorsement or approval of any product mentioned. To contact a company listed below, use the SPEED-A-LEAD list on the inside back cover.

Aqua-Cap microdispensers are single-use, disposable, glass capillary pipets with hydrophobic plugs that have been preset for precise volume delivery. The plug controls the volume and serves as a piston, which dispenses the sample when passed down by a reusable plunger. Ideal for a wide range of dispensing applications, the Aqua-Cap’s unique design prevents second use, eliminating the possibility of cross-contamination. They are available in sizes from 10 to 100 µl in packages of 100, plain or heparin coated. Drummond Scientific Co., 500 Parkway, Box 700, Broomall, PA 19008, USA.

An immunohistochemistry detection kit is unique in its ability to detect mouse antibodies on mouse tissue without causing the background of traditional detection kits. It can also detect rat antibodies on rat tissue without causing background problems. This kit would be of interest to cell biologists, cancer researchers, and neurobiologists who use rodent models in their research. Zymed Laboratories Inc., 458 Carlton Ct., South San Francisco, CA 94080, USA.

A new generation of spin columns offers fast, efficient recovery of functional DNA from agarose gels. Place the gel slice in a GenElute™ Agarose spin column, place the spin column in an Eppendorf® tube, and centrifuge the assembly in a microcentrifuge for 10 min. DNA, recovered in the Eppendorf tube, is ready for ligation, cloning, restriction enzyme digestion, or labeling. Recovery of DNA fragments of 100 bp to 22 kbp is 80-90%. As little as 50 ng of DNA can be eluted from any kind of agarose. A GenElute Agarose spin column selectively separates DNA from agarose. Ethanol precipitation of eluted DNA is optional. Supelco, Inc., Supelco Park, Bellefonte, PA 16823-0048, USA.

A reagent, Mono-NHS-Nanogold™, is 1.4 nm gold compound (Nanogold™) with a single organic reactive group, N-hydroxysuccinimide ester (NHS) and reacts with primary amines under mild conditions. The result is a stable, covalent attachment of the Nanogold™ to a protein, lipid, peptide, DNA, or other amine-containing target molecule. This may be used to prepare unique gold probes for electron or light microscopy without the problems associated with colloidal gold (poorly controlled coupling, aggregation, poor stability, and low diffusion into tissue). The gold may be enhanced with a silver developer so that the small gold particles are easily seen in the EM, light microscope, or on blots and gels. Nano-probes, Inc., 25 East Loop Rd., Suite 124, Stony Brook, NY 11790-3350, USA.

FAST™ (Fragmentation Analysis and Structural TOF-MS, or post-source decay) technology is an affordable research-grade ProteinTOF™ MALDI-TOF mass spectrometer. Previously a complicated and expensive method for experienced mass spectroscopists, the FAST structural and sequencing capability is now available to protein and peptide scientists in a small, easy-to-use package. The improved ProteinTOF now offers linear, reflectron, and FAST operation, opening up capabilities for peptide mapping, peptide sequencing, partial ladder sequencing, identification of proteins in databases based on the “partial sequence tag” method developed at the European Molecular Biology Lab. Bruker Instruments, Inc., 15 Fortune Dr., Billerica, MA 01821, USA.
Software

IntelliGenetics has incorporated the FASTA searching algorithm into its release of PC/GENE 6.85 sequence analysis software. PC/GENE is comprehensive bioinformatics software with extensive protein analysis capabilities, used by researchers working on desktop personal computers, to better understand the biological significance of DNA and protein sequences. Users can now conduct sequence similarity searches on EMBL, Unique GenBank, SWISS-PROT and personal databases using the industry-standard FASTA searching algorithm. For increased control and sensitivity of searches, users can choose between PAM, BLOSUM, and Genetic Code similarity matrices, and set k-tuple and gap penalties. PC/GENE now displays up to 2,000 scores and alignments, along with a complete histogram of Init1 and InitN scores for the entire database searched. IntelliGenetics, Inc., 700 East El Camino Real, Suite 300, Mountain View, CA 94040, USA.

Cherwell Scientific has released ModelMaker, a Windows-based mathematical modeling program that allows users to construct and solve simulation models quickly on a PC. ModelMaker helps scientists to stimulate experiments, systems, or processes in the life sciences, engineering, and business. It provides powerful analysis tools such as optimization, confidence intervals, minimization, sensitivity, and stochastic analysis. The software requires no in-depth knowledge of mathematical techniques or programming skills. Cherwell Scientific Publishing, Inc., 744 San Antonio Rd., Suite 27A, Palo Alto, CA 94303, USA.

The 270B Nitric Oxide Analyzer (NOA™) is based on the chemiluminescent reaction of NO with ozone and is a sensitive and selective detector for the measurement of trace levels of NO in both liquid and gas samples. In liquid samples such as tissue perfusates, cell cultures, and plasma, nitric oxide, nitrite and nitrate can be measured using the unique purge system. The 270B is also ideal for measuring NO in expired breath applications because the gas-phase response time is only 250 milliseconds. The detection limit of the instrument for NO is 1 picomole for liquids and 5 ppb for gases with a linear response over at least four orders of magnitude. Sievers Instruments, 2500 Central Ave., Boulder, CO 80301, USA.

An enhanced version of the ApopTag™ In Situ apoptosis detection kit contains two control slides, extra reaction buffer, DAB substrate, and easy access vials. ApopTag Plus is available in peroxidase and fluorescein versions. It permits quick, easy, and permanent staining of apoptotic cells in the context of the surrounding tissue. The labeling method detects single apoptotic cells and has demonstrated its superiority to in situ polymerase translation in distinguishing apoptosis from necrosis. ONCOR, Inc., 209 Perry Pkwy., Gaithersburg, MD 20877, USA.

DNASIS 2.0 for Windows allows users to perform a wide range of sequence analysis functions on their DNA and amino acid sequences. DNASIS 2.0 is Pentium®-compatible and performs a comprehensive array of DNA primary and secondary structure analysis functions that include DNA motif analysis, protein motif analysis, mutation site analysis, homology plots, hairpin analysis, and ORF analysis. The program also includes automatic multiple sequence alignment, homology searches, and RNA secondary structure analysis. Hitachi Software Engineering America, Ltd., 1111 Bayhill Dr., Suite 395, San Bruno, CA 94066, USA.
In a four-color brochure, Molecular Probes describes bacterial detection and viability assays, yeast viability and organelle marker kits, nucleic acid stains for cells, fluorogenic enzyme substrates, and more. Molecular Probes, Inc., P.O. Box 22010, Eugene, OR 97402-0414, USA.

An 8-page color brochure provides readers with a basic understanding of the various electronic cameras currently available. The brochure details the various types of CCD (charged coupled device) cameras, advantages and disadvantages, recommended applications and price/performance trade-offs for each type of electronic camera. The six types of CCD cameras discussed include video cameras (intensified, integrating, and scientific), uncooled “megapixel” cameras, and high-performance, cooled CCD cameras. Photometries Ltd., 3440 East Britannia Dr., Tucson, AZ 85706, USA.

WPI’s newest line of lab equipment for biomedical research ranges from bioamplifiers and stimulators to hardware and sundries. Spotlighted are: SpectroPette™, a handheld fiber-optic spectrophotometer, which surpasses conventional instruments in sensitivity, speed, and convenience; Micro-Tip™, a family of prepulled micropipettes, saves time and give excellent reproducibility; high-resolution nitric oxide microsensors for Iso-NO with 30μl-tip diameters and flexible microtips; and NanoFlo™, a highly sensitive flow-through microfluorometer for renal research. World Precision Instruments, 175 Sarasota Center Blvd., Sarasota, FL 34240-9258, USA.

Technical Note 36, “Analysis of Exoglycosidase Digestions of N-Linked Oligosaccharides Using HPAE-PAD,” describes the use of exoglycosidases to obtain structural information about N-linked oligosaccharides commonly found in mammalian glycoproteins. HPAE-PAD is used to confirm the identity of the released monosaccharides including the remaining di-, tri-, or oligosaccharides. Empirical rules used to predict oligosaccharide elution order are also discussed. Dionex Corp., 1228 Titan Way, P.O. Box 3603, Sunnyvale, CA 94088-3603, USA.

Velmex’s expanded 48-page catalog M-95 features over 235 motor-driven UniSlide® assemblies for scanning, feeding, or incremental positioning. Applications include R & D, manufacturing, and testing. Linear and rotary assemblies are available for single or multi-axis systems. Users select base width, length, lead screw pitch, motor type, and control from the broadest range. A series of powerful, programmable step motor controllers tailored for use with UniSlide assemblies, lightweight, precise, and compact are also featured. Velmex, Inc., P.O. Box 38, 7550 Routes 5 & 20, East Bloomfield, NY 14443, USA.

A complete range of microfiltration products and related laboratory apparatus appears in Poretics’ 146-page 1995 Microfiltration & Laboratory Products Catalog. Featured are polycarbonate and polyester screen membrane filters; membrane filters of pure silver, silica-free PVF, nylon, mixed cellulose esters, PTFE, polyethersulfone and polypropylene; ceramic and glass fiber filters; filter holders and apparatus; pleated filter cartridges and housings; laboratory scale water purification systems and equipment; and high purity Teflon® fluid handling apparatus. Poretics Corp., 111 Lindbergh Ave., Livermore, CA 94550-9520, USA.

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