

Germany. The editors have succeeded in presenting a volume to Peter Bishop that does him justice and in giving neuroscientists and psychologists a book worth studying.

ROBERT M. SHAPLEY
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Books Received

Aggression and Community. Paradoxes of Andalusian Culture. David D. Gilmore. Yale University Press, New Haven, 1987. xviii, 218 pp. \$24.50.

AIDS. Impact on Public Policy. An International Forum: Policy, Politics, and AIDS. Robert F. Hummel *et al.*, Eds. Plenum, New York, 1986. x, 170 pp. \$45. From a symposium, New York, May 1986.

Air Battle Central Europe. Alfred Price. Free Press (Macmillan), New York, 1987. xvi, 192 pp., illus., + plates. \$17.95.

Algal Biofouling. L. V. Evans and K. D. Hoagland, Eds. Elsevier, New York, 1986. x, 318 pp., illus. \$84.50. Studies in Environmental Sciences 28. From a symposium, Gainesville, FL, Aug. 1985.

Alvarez. Adventures of a Physicist. Luis W. Alvarez. Basic Books, New York, 1987. xii, 292 pp. + plates. \$19.95.

Amiotrophic Lateral Sclerosis. Therapeutic, Psychological, and Research Aspects. V. Cosi *et al.*, Eds. Plenum, New York, 1987. xiii, 357 pp., illus. \$65. Advances in Experimental Medicine and Biology, vol. 209. From a congress, Varese, Italy, March 1985.

Animal Models. Assessing the Scope of Their Use in Biomedical Research. Junichi Kawamata and Edward C. Melby, Jr., Eds. Liss, New York, 1987. xvi, 384 pp., illus. \$65. Progress in Clinical and Biological Research, vol. 229. From a symposium, Kyoto, Japan, Oct. 1985.

Another Icarus. Percy Pilcher and the Quest for Flight. Philip Jarrett. Smithsonian Institution Press, Washington, DC, 1987. xii, 226 pp., illus. \$22.50.

Biology of the Adipocyte. Research Approaches. Gary J. Hausman and Roy J. Martin, Eds. Van Nostrand Reinhold, New York, 1987. xii, 291 pp., illus. \$46.95. Van Nostrand Reinhold Advanced Cell Biology Series.

Brain Peptides and Catecholamines in Cardiovascular Regulation. Joseph P. Buckley, Carlos M. Ferrario, and Mustafa F. Lokhandwala, Eds. Raven, New York, 1987. xviii, 429 pp., illus. \$55. Based on a symposium, Houston, TX, Jan. 1986.

Brain Reward Systems and Abuse. Jörgen Engel *et al.*, Eds. Raven, New York, 1987. x, 198 pp., illus. \$56. From a symposium, Göteborg, Sweden, 1985.

Brown Melanoderma. Biology and Disease of Epidermal Pigmentation. Thomas B. Fitzpatrick, Michael M. Wick, and Kiyoshi Toda, Eds. University of Tokyo Press, Tokyo, 1987 (U.S. distributor, Columbia University Press, New York). viii, 232 pp., illus. \$94.50. From a conference, Tokyo, June 1985.

Can the Cardiac Stand Trial? Meyer Texon. Hemisphere (Harper and Row) New York, 1987. xvi, 644 pp. \$37.

Carnitine. Its Role in Lung and Heart Disorders. E. Kaiser and A. Lohninger, Eds. Karger, New York, 1987. x, 139 pp., illus. \$37.25. From a symposium, Graz, Austria, Sept. 1985.

Cartography in France, 1660-1848. Science, Engineering, and Statecraft. Josef Konvitz. University of Chicago Press, Chicago, 1987. xx, 194 pp., illus. \$39.95.

Cell and Molecular Biology. Phillip Sheeler and Donald E. Bianchi. 3rd ed. Wiley, New York, 1987. xviii, 704 pp., illus. \$44.75.

Cell and Tissue Culture in Forestry. J. M. Bonga and Don J. Durzan, Eds. Vol. 1, General Principles and Biotechnology. xiv, 422 pp., illus. \$78.50. Vol. 2, Specific Principles and Methods. Growth and Developments. xvi, 447 pp., illus. \$82.50. Vol. 3, Case Histories. Gymnosperms, Angiosperms and Palms. xviii, 416 pp., illus. \$76.50. Nijhoff, Dordrecht, 1987 (U.S. distributor, Kluwer, Norwell, MA). Forestry Sciences. Second edition of *Tissue Culture in Forestry*.

Cell Fusion. Arthur E. Sowers, Ed. Plenum, New York, 1987. xx, 540 pp., illus. \$75.

Cenozoic Basin Development of Coastal California. Raymond V. Ingersoll and W. G. Ernst, Eds.

Prentice-Hall, Englewood Cliffs, NJ, 1987. xii, 496 pp., illus. \$64. Rubey Volume, 6. From a colloquium, Los Angeles, CA, Oct. 1984.

Characteristic Classes and the Cohomology of Finite Groups. C. B. Thomas. Cambridge University Press, New York, 1987. xii, 129 pp. \$29.95. Cambridge Studies in Advanced Mathematics, 9.

Chernobyl. Response of Medical Physics Departments in the United Kingdom. J. K. Haywood, Ed. Institute of Physical Sciences in Medicine, London, 1986. xii, 99 pp., illus. Paper, £12.75. Report no. 50.

Children and Anthropological Research. Barbara Butler and Diane Michalski Turner, Eds. Plenum, New York, 1987. xii, 162 pp. \$39.50. Based on a conference, East Lansing, MI, 1982.

Children's Eyewitness Memory. Stephen J. Ceci, Michael P. Toglia, and David F. Ross, Eds. Springer-Verlag, New York, 1987. xii, 259 pp., illus. \$33.50. Based on a symposium, 1985.

The Emplacement of Silicic Domes and Lava Flows. Jonathan H. Fink, Ed. Geological Society of America, Boulder, CO, 1987. viii, 145 pp., illus. Paper, \$18.75. Geological Society of America Special Paper 212. Based on a symposium, Reno, NV, 1984.

Energetics of Microbial Growth. Edwin H. Bartley. Wiley-Interscience, New York, 1987. xxiv, 450 pp., illus. \$59.95.

Environmental Decisionmaking in a Transboundary Region. Alison Rieser, Judith Spiller, and David VanderZwaag, Eds. Springer-Verlag, New York, 1986. xiv, 209 pp., illus. Paper, \$26.70. Lecture Notes on Coastal and Estuarine Studies, vol. 20.

Environmental Impacts of Coal Mining and Utilization. M. J. Chadwick, N. H. Highton, and N. Lindman, Eds. Pergamon, New York, 1987. xxvi, 332 pp., illus. \$75. Revision of Environmental Implications of Expanded Coal Utilization.

Environmental Radioactivity. From Natural, Industrial, and Military Sources. Merrill Eisenbud. 3rd ed. Academic Press, Orlando, FL, 1987. xx, 475 pp., illus. \$55.

Epidemics and Mortality in Early Modern Japan. Ann Bowman Jannetta. Princeton University Press, Princeton, NJ, 1987. xxii, 224 pp., illus. \$30.

Essays on Science. Felicitation Volume in Honour of Dr. Salimuzzaman Siddiqui. Hakim Mohammed Said, Ed. Hamdard Foundation Press, Karachi, 1986. viii, 399 pp., illus. \$35.

Essentials of Biostatistics. Robert C. Elston and William D. Johnson. Davis, Philadelphia, 1987. xii, 307 pp., illus. Paper, \$22. Essentials of Medical Education Series.

Events of the Mid-Cretaceous. Final Report on Results Obtained by IGCP Project No. 58, 1974-1985. Richard A. Rye and Peter Bengtson, compilers. Pergamon, New York, 1986. x, 213 pp., illus. \$130. Physics and Chemistry of the Earth, vol. 16.

Exercises in Quantum Mechanics. A Collection of Illustrative Problems and Their Solutions. Harry A. Mavromatis. Reidel, Dordrecht, 1987 (U.S. distributor, Kluwer, Norwell, MA). xii, 181 pp., illus. \$49.50. Reidel Texts in the Mathematical Sciences.

Handbook of Radiative Heat Transfer in High-Temperature Gases. R. I. Souleoukhin and Robert Goulard, Eds. Hemisphere (Harper and Row), New York, 1986. xviii, 309 pp., illus. \$95. Translated from the Russian edition (Moscow, 1984).

Heat Conduction. James M. Hill and Jeffrey N. Dewynne. Blackwell Scientific, Palo Alto, CA, 1987. xvi, 334 pp., illus. \$39.95. Applied Mathematics and Engineering Science Texts.

Heat Transfer in Gas-Cooled Annular Channels. J. Vilemas, B. Česna, and V. Survila. A. Žukauskas, Ed. Hemisphere (Harper and Row), New York, 1987. xiv, 226 pp., illus. \$73.95. Experimental and Applied Heat Transfer Guide Books. Translated from the Russian edition (Vilnius). J. Karni, English-edition editor.

Heat Transfer Science and Technology. Bu-Xuan Wang, Ed. Hemisphere (Harper and Row), New York, 1987. xviii, 944 pp., illus. \$139.95. From a symposium, Peking, Oct. 1985.

Heretel Verities. Mathematical Themes in Physical Description. Thomas E. Phipps, Jr. Classic Non-Fiction Library, Urbana, IL, 1986. xvi, 637 pp. \$29.

High-Energy Processes in Organometallic Chemistry. Kenneth S. Suslick, Ed. American Chemical Society, Washington, 1987. viii, 336 pp., illus. \$69.95. ACS Symposium Series, 333. Based on a symposium, Anaheim, CA, Sept. 1986.

High-Speed Electronics. Basic Physical Phenomena and Device Principles. B. Källback and H. Beneking, Eds. Springer-Verlag, New York, 1986. x, 232 pp., illus. \$39.50. Springer Series in Electronics and Photonics, 22. From a conference, Stockholm, Aug. 1986.

An Introduction to Behavioural Ecology. J. R. Krebs and N. B. Davies. 2nd ed. Sinauer, Sunderland, MA, 1987. x, 389 pp., illus. Paper, \$18.95.

Introduction to Combinators and λ -Calculus. J. Roger Hindley and Jonathan P. Seldin. Cambridge University Press, New York, 1986. iv, 360 pp., illus. \$49.50; paper, \$16.95. London Mathematical Society Student Texts, 1.

An Introduction of Equations of State. Theory and Applications. Shalom Eliezer, Ajay Ghatak, and Heinrich Hora. Cambridge University Press, New York, 1986. xii, 366 pp., illus. \$69.50.

Introduction to the History of Medical and Veterinary Mycology. G. C. Ainsworth. Cambridge University Press, New York, 1986. xii, 228 pp., illus. \$49.50.

Investigating the Life Sciences. An Introduction to the Philosophy of Science. G. M. N. Verschuur. Pergamon, New York, 1986. x, 148 pp., illus. \$30. Foundations and Philosophy of Science and Technology.

Issues in Diagnostic Research. Cynthia G. Last and Michel Hersen, Eds. Plenum, New York, 1987. x, 349 pp., \$45. Thirteen papers concerned with psychiatric diagnosis.

Johannes Müller and the Nineteenth-Century Origins of Tumor Cell Theory. L. J. Rather, Patricia Rather, and John B. Frerichs. Science History Publications (Watson), Canton, MA, 1987. x, 193 pp., illus. \$15. Resources in Medical History. Including an annotated translation of Müller's *Ueber den feinnern Bau und die Formen der krankhaften Geschwülste* (1838).

Kinetics of Nonhomogeneous Processes. A Practical Introduction for Chemists, Biologists, Physicists, and Materials Scientists. Gordon R. Freeman, Ed. Wiley-Interscience, New York, 1987. xvi, 874 pp., illus. \$99.95.

Living with Seabirds. Bryan Nelson. Edinburgh University Press, Edinburgh, U.K., 1987 (U.S. distributor, Cambridge University Press, New York). vii, 253 pp., illus. \$25.

Localization and Interaction in Disordered Metals and Doped Semiconductors. D. M. Finlayson, Ed. Scottish Universities Summer School in Physics, Edinburgh, 1986. xvi, 393 pp., illus. £36. From a school, St. Andrews, Aug. 1986.

Lovebirds, Cockatiels, Budgerigars. Behavior and Evolution. J. Lee Kavanau. Science Software Systems, Los Angeles, CA, 1987. xxvi, 1001 pp., \$69.

Lung Cancer. Current Status and Prospects for the Future. Clifton F. Mountain and David T. Carr, Eds. University of Texas Press, Austin, TX, 1987. xii, 423 pp., illus. \$60. From a conference, Houston, TX, Nov. 1984.

Macro-Policies for Appropriate Technology in Developing Countries. Frances Stewart, Ed. Westview, Boulder, CO, 1987. x, 315 pp., illus. Paper, \$29.85. Westview Special Studies in Social, Political and Economic Development.

Magmatic Processes. Physicochemical Principles. B. O. Mysen, Ed. The Geochemical Society, University Park, PA, 1987. x, 500 pp., illus. \$65; to Geochemical Society members, \$45. Special Publication no. 1.

Manganese in Metabolism and Enzyme Function. Vern L. Schramm and Frederick C. Weder, Eds. Academic Press, New York, 1986. x, 437 pp., illus. \$59.

A Manual of Forensic Entomology. Kenneth G. V. Smith. British Museum (Natural History), London, and Comstock (Cornell University Press), Ithaca, New York, 1987. 205 pp., illus. \$39.95.

Past, Present, and Future. Isaac Asimov. Prometheus, Buffalo, NY, 1987. viii, 374 pp. \$19.95.

Peroxisomes in Biology and Medicine. H. Dar-iush Fahimi and Helmut Sies, Eds. Springer-Verlag, New York, 1987. xviii, 470 pp., illus. \$93.50. Proceedings in Life Sciences. From a symposium, Heidelberg, F.R.G., July 1986.

Pesticides. Minimizing the Risks. Nancy N. Ragsdale, and Ronald J. Kuhr, Eds. American Chemical Society, Washington, DC, 1987. viii, 183 pp., illus. \$34.95. Based on a symposium, New York, April 1986. ACS Symposium Series, 336.

Philosophy, Science and Social Inquiry. Contemporary Methodological Controversies in Social Science and Related Applied Fields of Research. D. C. Phillips. Pergamon, New York, 1987. xiv, 210 pp. Paper, \$14.95.

Phosphorus Chemistry in Everyday Living. Arthur D. F. Toy and Edward N. Walsh. 2nd ed. American Chemical Society, Washington, DC, 1987. xiv, 362 pp., illus. \$24.95.

Physical Metallurgy. Peter Haasen. 2nd ed. Cambridge University Press, New York, 1986. xvi, 392 pp., illus. Paper, \$29.95. Translated from the German edition (Berlin, 1974) by Janet Mordike.

Physics. Richard Wolfson and Jay M. Pasachoff. Little, Brown, Boston, 1987. xviii, 1081 pp., illus. \$49.75.

Primate Conservation in the Tropical Rain Forest. Clive W. Marsh and Russell A. Mittermeier, Eds. Liss, New York, 1987. xviii, 365 pp., illus. \$90. Monographs in Primatology, vol. 9.

The Princes of Narangja. An Essay in Anthrohistorical Method. Paul Friedrich. University of Texas Press, Austin, TX, 1987. xx, 305 pp., illus. \$29.95; paper, \$12.95.

Principles of Rock Deformation. Adolphe Nicolas, Reidel Dordrecht, 1987 (U.S. distributor, Kluwer, Norwell, MA). x, 208 pp., illus. \$59. Petrology and Structural Geology.

Proceedings of Beijing International Symposium on Physics at Tandem (Beijing, China, May 1986). Jiang Chenglie *et al.*, Eds. World Scientific, Singapore, 1987 (U.S. distributor, Taylor and Francis, Philadelphia) xvii, 610 pp., illus. \$67.

Proceedings of the Conference on Tests of Electroweak Theories (Trieles, 1985). Polarized Processes and Other Phenomena. Bryan W. Lynn and Claudio Verzeqnessi, Eds. World Scientific, Singapore, 1986 (U.S. distributor, Taylor and Francis, Philadelphia). xiv, 461 pp., illus. \$67.

Proceedings of the International Symposium on Particle and Nuclear Physics (Beijing, Sept. 1985). Hu Ning and Wu Chong-shi, Eds. World Scientific, Singapore, 1986 (U.S. distributor, Taylor and Francis, Philadelphia). xii, 452 pp., illus. \$65.

Proceedings of the International Workshop on Amorphous Semiconductors. (Beijing, Oct. 1986). Hellmut Fritzsche, Daxing Han, and Chuang Chuang Tsai, Eds. World Scientific, Singapore, 1987 (U.S. distributor, Taylor and Francis, Philadelphia). xii, 343 pp., illus. \$53.

Quarks, Strings, Dark Matter, and All the Rest. R. S. Panvini and T. J. Weiler, Eds. World Scientific, Singapore, 1987 (U.S. distributor, Taylor and Francis, Philadelphia). viii, 333 pp., illus. \$60. From a conference, Nashville, TN, May 1986.

Radiation and Combined Heat Transfer in Channels. M. Tamonis A. Zukauskas, Ed. Hemisphere (Harper and Row), New York, 1987. xvi, 239 pp., illus. \$69.95. Experimental and Applied Heat Transfer Guide Books. Translated from the Russian edition (Vilnius).

Radiative Processes in Discharge Plasmas. Joseph M. Proud and Lawrence H. Luessen, Eds. Plenum, New York, 1986. viii, 592 pp., illus. \$97.50. NATO Advanced Study Institute Series B, vol. 149. From an institute, Pitlochry, Scotland, July 1985.

Radiothermoluminescence and Transitions in Polymers. Lev Zlatkevich. Springer-Verlag, New York, 1987. xii, 200 pp., illus. \$95.50. Polymers. Properties and Applications, 12.

A Realistic Theory of Science. C. A. Hooker. State University of New York Press, Albany, 1987. x, 479 pp. \$39.50; paper, \$14.95.

A Scientist at the Seashore. James Trefil. Collier (Macmillan), New York, 1987. xii, 208 pp., illus. Paper, \$8.95; Reprint, 1984 edition.

The SDI Challenge of Europe. Ivo H. Daalder. Ballinger (Harper and Row), Cambridge, MA, 1987. xvi, 185 pp. \$19.95.

Seven Clues to the Origin of Life. A Scientific Detective Story. A. G. Cairns-Smith. Cambridge University Press, New York, 1987. xii, 131 pp., illus. Paper, \$8.95.

Shamanism, Colonialism, and the Wild Man. A Study in Terror and Healing. Michael Taussig. University of Chicago Press, Chicago, 1987. xx, 517 pp., illus. \$29.95.

The Smithsonian Guide to the Seaside Plants of the Gulf and Atlantic Coasts. From Louisiana to Massachusetts, Exclusive of Lower Peninsular Florida. Wilbur H. Duncan and Marion B. Duncan. Smithsonian Institution Press, Washington, DC, 1987. 409 pp., illus. \$29.95.

Social Change and Personality. Essays in Honor of Nevitt Sanford. Mervin B. Freedman, Ed. Springer-Verlag, New York, 1987. 231 pp. Paper, \$33. Recent Research in Psychology.

The Social Organization of Schools. New Conceptualizations of the Learning Process. Maureen T. Halinan, Ed. Plenum, New York, 1987. xviii, 228 pp. \$34.50.

Some Modern Methods of Organic Synthesis. W. Carruthers. 3rd ed. Cambridge University Press, New York, 1987. xiv, 526 pp., illus. \$99.50; paper, \$27.95. Cambridge Texts in Chemistry and Biochemistry.

Star Wars. A Question of Initiative. Richard Ennals. Wiley, New York, 1986. xviii, 236 pp. Paper, \$14.95.

Stars, Galaxies, Cosmos. A Catalogue of Astronomical Anomalies. William R. Corliss, compiler. Sourcebook Project, Glen Arm, MD, 1987. vi, 240 pp. \$17.95.

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ASSISTANT PROFESSORSHIP DEPARTMENT OF NEUROBIOLOGY HARVARD MEDICAL SCHOOL

The Department of Neurobiology and Harvard Medical School has opened a search for an assistant professor with training in cellular neuroscience and with research interests in the interface of molecular biology and neurochemistry (e.g., control of neuronal genes). The position involves establishment of an independent research program, training of graduate students and postdoctoral fellows, and teaching of medical students. *Harvard Medical School is an Equal Opportunity/Affirmative Action Employer. Applications from women and minorities are encouraged.* Applicants should send curriculum vitae, names of at least three references, and a statement of research interests to: **Dr. David Potter, Chairman, Search Committee, Department of Neurobiology, Harvard Medical School, Boston, MA 02115.**

Division of Nuclear Medicine, Department of Radiology, University of Minnesota has a tenure-track position available at the rank of **ASSISTANT OR ASSOCIATE PROFESSOR** for a radiochemist or radiopharmacist beginning 1 October 1987. Minimum qualifications for assistant professor include a Ph.D. in chemistry or pharmacy, at least 1 year of postdoctoral experience in the preparation of radionuclides for medical use, and a demonstrated record of research, publication and teaching. Associate professor level requires a minimum of 4 years of experience in the preparation of radionuclides for medical use in addition to the other qualifications listed for assistant professor. Preference will be given to individuals who have additional experience with positron-emitting radiopharmaceuticals. A large, fully-equipped laboratory is available for research. Clinical facilities are housed in a new hospital with approximately 6,000 square feet of space. A 40-MeV cyclotron and PET scanner are currently being installed at the affiliated VA hospital. Salary is negotiable and competitive and dependent upon past scholarly productivity and postdoctoral experience. Send résumé by 30 September 1987 to: **R. J. Boudreau, M.D., Ph.D., Director, Division of Nuclear Medicine, Department of Radiology, Box 382 University of Minnesota Hospital, Minneapolis, MN 55455. The University of Minnesota is an Equal Opportunity/Affirmative Action Employer and specifically encourages applications from women and minorities.**

BIOMEDICAL TECHNICIAN

Cedars-Sinai Medical Center has an immediate opening for an experienced biomedical technician to perform molecular biology experiments. Bachelor's degree and practical experience in Southern blot analysis required. Send résumé to: **J. Black, Cedars-Sinai Medical Center, 8700 Beverly Boulevard, Brown Building, 1st Floor, Employee Relations, Los Angeles, CA 90048.**

CHAIRPERSON DEPARTMENT OF PATHOLOGY MICHIGAN STATE UNIVERSITY

Michigan State University invites applications and nominations for the position of chairperson of the Department of Pathology. As the only pathology department in the nation serving Colleges of Human, Osteopathic, and Veterinary Medicine and an Agricultural Experiment Station, unique opportunities are offered for interdisciplinary research and teaching.

Candidates should possess a medical degree (D.O., D.V.M., M.D. or the equivalent), and preferably a Ph.D., have a record of excellence in research and teaching, be sensitive to the demands of diagnostic services, and have demonstrated the administrative skills necessary to lead a complex department with 38 faculty members. *Qualified women and members of ethnic minorities are particularly encouraged to apply.*

Nominations and applications should be sent to: **Dr. N. E. Robinson, Department of Physiology, 111 Giltner Hall, Michigan State University, East Lansing, MI 48824-1101**, preferably prior to 14 August 1987, although candidates will be considered until the position is filled.

Michigan State University is an Affirmative Action/Equal Opportunity Employer.

POSITIONS OPEN

BOTANIST — ZOOLOGIST — COMMUNITY ECOLOGIST. The Nature Conservancy and the Nebraska Game and Parks Commission seek candidates for coordinator, research scientist, and data manager positions with the Nebraska Natural Heritage Program starting in July 1987 in Lincoln, Nebraska. All positions responsible for building a map and computer database on rare plants, animals, and communities in Nebraska. Postgraduate degree or equivalent experience required; knowledge of the biota of Nebraska preferred. Salary range: \$18,000 to \$20,000 plus benefits. Send résumé by 17 August 1987 to: **Robert Chipley, The Nature Conservancy, 1800 North Kent Street, Arlington, VA 22209. Equal Opportunity Employers.**

Washington State University invites applications for the position of **CHAIR, DEPARTMENT OF VETERINARY MICROBIOLOGY AND PATHOLOGY**. This is a tenured professor position. Qualifications required are a Doctor of Veterinary Medicine degree (or equivalent), Ph.D. in one of the disciplines included in the Department (immunology, microbiology, parasitology, or pathology), and administrative experience. The Chair is expected to provide academic and administrative leadership for the instructional, research, and service programs of the Department. Candidates should apply before 15 September 1987. Applicants should send curriculum vitae, a cover letter indicating how personal qualifications and goals will enhance the department, and the names of three references to: **Dr. Travis C. McGuire, College of Veterinary Medicine, Department of Veterinary Microbiology and Pathology, Washington State University, Pullman, WA 99164-7040.**

Washington State University is an Equal Opportunity/Affirmative Action Employer. Members of ethnic minorities, women, Vietnam-era or disabled veterans, persons of disability, and/or persons between the ages of 40 and 70 are encouraged to apply.

CHAIRPERSON DEPARTMENT OF ANATOMY MICHIGAN STATE UNIVERSITY

The Colleges of Human, Osteopathic, and Veterinary Medicine invite nominations of and applications from individuals to lead this department which serves all three colleges. Candidates must have an advanced degree and an outstanding record of research and scholarship, experience, and interest in professional and graduate education, and evidence of leadership and administrative skills. The present research foci in the department are neuroscience and cancer cell biology. Application should include a statement of interest in the position, curriculum vitae, and the names of three references. All materials should be sent to: **E. James Potchen, M.D., Chair of Search Committee, Department of Radiology, Michigan State University, East Lansing, MI 48824**. Confidentiality of applicants will be respected if requested. *MSU is an Affirmative Action/Equal Opportunity Employer.*

CHAIRPERSON DEPARTMENT OF ANATOMY AND CELL BIOLOGY THE UNIVERSITY OF SOUTH ALABAMA COLLEGE OF MEDICINE

The College of Medicine invites applications and nominations for the position of Chairperson of the Department of Anatomy and Cell Biology. Adequate facilities and resources are available to support the continued development of a high quality research and teaching department. Prospective candidates must have a suitable Ph.D., M.D. or equivalent degree, a record of outstanding research and leadership ability, and a commitment to medical and graduate education.

Interested candidates should submit a recent curriculum vitae, a brief description of their research interests, and the names of at least three references no later than 1 September 1987 to: **Samuel J. Strada, Ph.D., Chairman, Search Committee, Anatomy and Cell Biology Chair, University of South Alabama, College of Medicine, 3130 Medical Science Building, Mobile, AL 36688. An Affirmative Action/Equal Opportunity Educational Institution.**

POSITIONS OPEN

INDIANA UNIVERSITY ANNOUNCES ITS SEARCH FOR DEAN SCHOOL OF OPTOMETRY

Responsibilities include: administrative leadership of educational, research and professional service activities. Demonstrated achievements are required in academic, administrative and professional positions in or related to optometry. Nominations or letters of application should be sent by 31 October 1987, with curriculum vitae and a statement about the candidate's interest in the position to:

**Dr. James R. Roche, Chairman
Search and Screen Committee
IU School of Optometry
800 East Atwater
Bloomington, IN 47405**

Indiana University is an Equal Opportunity/Affirmative Action Employer.

DIRECTOR CLINICAL IMMUNOLOGY

The Department of Laboratory Medicine at Children's Hospital National Medical Center, a 279-bed tertiary referral center which serves as the pediatric teaching hospital for George Washington University School of Medicine, has a position available for a Director of Immunology. Candidate should have a Ph.D. or M.D. degree, have a background in diagnostic immunology, and preferably have 2 years experience in tissue typing, Board certification in clinical pathology, or related subspecialty. Experience in immunohematology preferable. The successful candidate will hold tenure-track appointments in the Departments of Child Health and Development and Pathology at the George Washington University School of Medicine. Responsibilities include establishing and coordinating a diagnostic immunology laboratory which will also support a transplant program, teaching pediatric and pathology residents and research. Please submit curriculum vitae and three letters of recommendation to: **Jocelyn M. Hicks, Ph.D., Chairman, Department of Laboratory Medicine, Children's Hospital National Medical Center, 111 Michigan Avenue, NW, Washington, DC 20010. Equal Opportunity Employer.**

DIRECTOR DIABETES RESEARCH PROGRAM

Virginia Mason Research Center (VMRC) seeks an individual with outstanding scientific credentials for the development and leadership of a diabetes research program. This individual will be expected to develop an active research laboratory and also to integrate laboratory and clinical research with an existing Diabetes Center providing comprehensive medical care to the largest population of diabetic patients in the Pacific Northwest.

Must possess credentials equivalent to an associate professor level academic appointment in a major medical school. Prefer candidates with M.D. and Ph.D. degrees, Board certification in endocrinology and current active involvement in laboratory research.

Institutional funding available to initiate program and provide stable base of internal support from which to launch grant applications. *VMRC is an Equal Opportunity/Affirmative Action Employer. Minorities and women are especially encouraged to apply.*

Send curriculum vitae to: **John E. Rasmussen, Ph.D., Director, VMRC, 1000 Seneca Street, Seattle, WA 98101.**

EPIDEMIOLOGIST

Dynamac Corporation, an environmental and biomedical research and consulting firm with headquarters in suburban Washington, D.C., has an immediate staffing requirement for an epidemiologist. The successful candidate will review literature to assess health effects from toxic substances, design and implement epidemiologic studies relating to substance exposure, and quantification of human risk from epidemiologic data. Dynamac offers competitive salaries and a fully paid employee benefits package. To apply, please send résumé in confidence to:

**Personnel Department
Dynamac Corporation
11140 Rockville Pike
Rockville, MD 20852**

Equal Opportunity Employer M/F

POSITIONS OPEN

DIRECTOR, ENVIRONMENTAL CRITERIA AND ASSESSMENT OFFICE, CINCINNATI, OHIO (ECAO-CINC.) \$64,700 to \$70,500

U.S. Environmental Protection Agency (EPA) is seeking highly qualified candidates for the position of Director, ECAO-Cinc. The ECAO-Cinc., a component of the Office of Research and Development, is responsible for preparing human health risk assessment documents, and special reports on water pollution, hazardous wastes, and other program areas for use in developing EPA regulatory actions. The Office is a focal point for collecting and evaluating literature on health hazards to support Agency offices in making regulatory decisions on control of environmental hazards in the United States.

To qualify, applicants must have a degree or equivalent experience in a health science field, e.g., biochemistry, toxicology, pharmacology, physiology; managerial experience in health risk assessment, environmental research, or other health study programs; and meet the technical and executive qualifications described in the Vacancy Announcement. Call/write: **Edna Morse, EPA, SES and Executive Resources Unit, PM-224, 401 M Street, SW, Washington, DC 20460. Telephone: 202-382-3328**, for the vacancy announcement. Applications must be postmarked by 31 August 1987. *EPA is an Equal Employment Opportunity Employer.*

ENVIRONMENTAL MONITORING SYSTEMS LABORATORY-RESEARCH TRIANGLE PARK, NORTH CAROLINA (EMSL-RTP) \$64,700 to \$70,500

U.S. Environmental Protection Agency is seeking highly qualified candidates for the position of **DIRECTOR, EMSL-RTP**. The EMSL-RTP, a component of the Office of Research and Development, is responsible for the planning, management, and implementation of multi-media (air, hazardous wastes, and toxics) research programs; development of instrumentation and analytical methods for the measurement of air pollution; design and implementation of monitoring studies, development and applications of exposure monitoring methods; and management of the Agency's quality assurance program in support of the Clean Air Act.

To qualify, applicants must have a bachelor's or higher degree in either biological or physical sciences or engineering that included training in inorganic and organic chemistry or chemical engineering and statistics and must meet the technical and executive qualifications described in the Vacancy Announcement. Call/write: **Edna Morse, EPA, SES and Executive Resources Unit, PM-224, 401 M Street, SW, Washington, DC 20460. Telephone: 202-382-3328**, for the Vacancy Announcement. Applications must be postmarked by 31 August 1987. *EPA is an Equal Employment Opportunity Employer.*

INDUSTRIAL POSITIONS

H. T. McCormick Associates, Inc., a nationally recognized executive search firm, has exclusive openings for the following positions: **Director of Clinical Pharmacology:** M.D./Ph.D. preferred not required. Supervision of clinical staff performing pharmacological studies of bone diseases, metabolic disorders, cardiovascular, gastroenterology and diabetes. Six figure salary compensation. **Assistant Director of Clinical Pharmacology:** M.D./Ph.D. preferred not required. Testing of anti-infective and anti-inflammatory drugs involving Phase I and early Phase II clinical trials. Completion of terminal degree and recent publications may be substituted for experience requirements. Salary considerations in the \$80,000 range. **Assistant Medical Director:** M.D. required plus Board eligibility in internal medicine. Prior study in endocrinology and/or pulmonary areas helpful. 20% international travel. Salary considerations to \$90,000. **Assistant Medical Directors:** (Three positions) M.D. plus fellowship required with subspecialties in one or more of the following: neurology/psychiatry, endocrinology/pulmonary, gastrointestinal or infectious diseases. Salary considerations to the upper \$70,000's. **Principal Research Scientist:** Ph.D. in biochemistry, molecular biology, or related discipline. Three or more years of industrial experience. Supervision of the preparation and purification of bulk sterile pharmaceuticals. Salary considerations to the mid \$50,000 range. All fees company paid. Submit résumé in confidence to: **Ann F. Lees, Director of Scientific Recruitment, H. T. McCormick Associates, Inc., P.O. Box 1206, Princeton, NJ 08540.**

POSITIONS OPEN

FACULTY APPOINTMENTS NEUROBIOLOGY

Applications are sought for a tenure-track position at the level of assistant professor. We are seeking an individual with extensive experience in molecular biology and with research interests in molecular mechanisms of brain function or dementias. The selected individual will have a joint appointment in the Sanders-Brown Center on Aging and the Department of Microbiology and Immunology. The Center on Aging and the Microbiology and Immunology departments have 24 faculty members with a strong history of federal funding and major research strengths in molecular biology, genetics, immunology, and basic and clinical aspects of Alzheimer's disease. Besides having relevant postdoctoral training, the candidate is expected to participate in a multidimensional research program, and in teaching and training graduate students.

NEURO-ONCOLOGY

Applications are sought for a tenure-track position at the level of assistant professor for individuals with experience in molecular tumor biology and interest in the biology of brain tumors. Research in the areas of regulation of proliferation and differentiation, growth and regulatory factors, cell-cell interactions, mechanisms of invasion and function of oncogenes on the biological behavior of tumor cells is of special interest. Candidates should have a minimum of 2 years of postdoctoral experience. The successful candidate will have a primary appointment in the Department of Surgery and a joint appointment in the Department of Microbiology and Immunology. Outstanding opportunities for interaction with other immunologists, molecular and cellular biologists, biochemists, and neuroscientists within the Lucille Parker Markey Cancer Center are available.

For both positions an attractive package of start-up funds, technical support, and laboratory equipment with a competitive starting salary will be provided to the successful candidate. Each position has a negotiable starting date and carries a 12-month appointment. Applications should include curriculum vitae, three letters of reference, and a statement of research interests. To apply send to:

**Dr. Jeffrey N. Davidson (Neurobiology)
Dr. Stephen G. Zimmer (Neuro-oncology)
University of Kentucky College of Medicine
Department of Microbiology
and Immunology
800 Rose Street, MS 409
Lexington, KY 40536-0084**

The University of Kentucky is an Equal Opportunity Employer.

UNIVERSITY OF FLORIDA FACULTY POSITION

The Department of Pharmacology and Therapeutics of the College of Medicine, in cooperation with the Geriatric Research, Education, and Clinical Center (GRECC) of the Gainesville VA Medical Center, invites applications for a full-time, tenure-track assistant professor. Applicants must have a Ph.D. and postdoctoral research experience preferably in molecular approaches to autonomic or endocrine pharmacology. The successful applicant will be expected to conduct research in support of the overall geropharmacologic emphasis of the GRECC. Salary will be commensurate with level of experience and accomplishment. Applicants should send curriculum vitae including bibliography and names of three references to: **Dr. Philip Scarpace, Box J-267 JHMHC, Gainesville, FL 32610** before 1 October 1987 with anticipated starting date as early as 1 January 1988. *An Equal Opportunity/Affirmative Action Employer.*

THE HEBREW UNIVERSITY- HADASSAH MEDICAL SCHOOL JERUSALEM FACULTY POSITIONS

The Faculty of Medicine invites applications for two tenure-track faculty positions and for Allon fellowship candidates leading to tenure-track positions in any field of basic medical sciences: Ph.D. and/or M.D. degree, and postdoctoral training required. Excellence in research and teaching will be of prime importance in the decisions of the search committee. Candidates are expected to develop independent research. Curriculum vitae, list of publications, research plans, and three letters of recommendation should reach: **Mrs. D. Abramson, Office of the Dean, P.O. Box 1172, Jerusalem, 91010, Israel**, not later than 1 November 1987.

PROGRAM HEAD SCIENCE, ARMS CONTROL, AND NATIONAL SECURITY

The American Association for the Advancement of Science is seeking a Program Head for its Science, Arms Control, and National Security Program. The Program was established in 1981 to focus the scientific, technical, and organizational resources of AAAS to foster and develop more effective approaches to (1) control of nuclear weapons and other weapons of mass destruction, (2) improvement of national security assets, and (3) conflict resolution.

To further these objectives, the Program Head serves as staff officer to the AAAS Committee on Science, Arms Control, and National Security, provides overall guidance for implementing the Program, and directs the Program's professional staff of four. Responsibilities include:

1. Long-range planning;
2. Identification of substantive areas in this field that can be addressed effectively by AAAS;
3. Development of specific activities to address those areas of concern;
4. Fund-raising (to include identification of sources, preparation of budgets, and writing proposals); and
5. Liaison with the Committee and with numerous organizations, including federal agencies, industrial organizations, educational institutions, affiliated societies, and others in the science, arms control, and national security communities.

Candidates must satisfy all of the following requirements: (1) Understand technical and policy related arms control and national security issues, as demonstrated in previous work experience, (2) Possess three to five years administrative experience with at least two years in project management, (3) have excellent written and oral communication skills, (4) have experience working with the Congress, federal agencies, industry, universities, and foundations, and (5) have an earned Ph.D. degree in a relevant discipline or an equivalent combination of education and experience.

The target starting date is September 1987.

Please submit résumé, salary requirements and three references, to Carolyn Bell, Personnel Office, American Association for the Advancement of Science, 1333 H Street, N.W., Washington, D.C. 20005.

The AAAS is an equal opportunity employer.

BIOLOGICAL SAFETY

Program Resources, Inc. has an immediate opening for a specialist in biological safety at the NCI-Frederick Cancer Research Facility, a leading biomedical research facility located in Frederick, Maryland.

The successful candidate will join a multi-disciplinary safety team and will have primary responsibility for activities including inspection and certification of containment facilities and equipment associated with AIDS research, monitoring laboratory operations, contamination control, preparation of a bio-safety manual, and development of education and training programs for technical personnel. Qualifications include a BS or MS degree in the natural, physical, or health sciences and experience related to biological safety.

Program Resources, Inc. offers a salary commensurate with training and experience, a comprehensive company benefits program including a 401(K) retirement plan, and excellent professional growth opportunities.

For consideration, please send resume, salary requirements, and names and addresses of three references to: M. Elizabeth Battle, PROGRAM RESOURCES, INC., NCI-Frederick Cancer Research Facility, P.O. Box B, Frederick, MD 21701-1013. An equal opportunity employer, M/F.



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1515 BROADWAY
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CHAIRPERSON DEPARTMENT OF ANATOMICAL SCIENCES THE UNIVERSITY OF OKLAHOMA COLLEGE OF MEDICINE

The College of Medicine of the University of Oklahoma Health Sciences Center invites applications and nominations for the position of chairperson of the Department of Anatomical Sciences. The successful candidate will have the opportunity to build a nationally recognized department and to recruit new faculty. Applicants must have a Ph.D., M.D. or equivalent degree, and recognized success in research, teaching, academic administration and leadership. Any relevant research background will be considered, but expertise in the neurosciences is of special interest.

Interested parties should submit a letter of application, curriculum vitae and bibliography, a summary of accomplishments and goals, and the names of at least three references no later than October 1, 1987 to: Robert D. Foreman, Ph.D., Professor and Chairman, Department of Physiology and Biophysics, University of Oklahoma Health Sciences Center, P.O. Box 26901, Oklahoma City, Oklahoma 73190. An Equal Opportunity/Affirmative Action Employer. Proof of identity and employment eligibility required.

SCIENTISTS MEDICAL DIAGNOSTIC PRODUCT DEVELOPMENT/ CLINICAL INVESTIGATIONS

Ortho Diagnostic Systems Inc., a Johnson & Johnson company, has for almost half a century made valuable contributions to the medical profession with the manufacture of diagnostics, reagents, immunologicals and related products. We continually look for individuals in the following disciplines who can effectively perform in this professional and challenging environment.

- * Immunochemistry
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- * Protein Chemistry/Biochemistry

Senior Scientist level positions require a PhD or equivalent. Scientist level positions require a PhD or MS degree or equivalent. Assistant Scientist level positions require an MS or BS degree or equivalent. Related experience is required in one or more of the above disciplines. Additional experience specific to the development of diagnostic products or clinical investigations is desirable.

Ortho Diagnostic Systems Inc. offers competitive salaries and an attractive benefits package including a dental plan and tuition reimbursement. Qualified candidates are encouraged to send their resume and salary history, in confidence to: Employment Office, Box X.



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Director, Acquired Immunodeficiency Syndrome Program

The National Institute of Allergy and Infectious Diseases (NIAID), National Institutes of Health (NIH), is currently recruiting for the Senior Executive Service (SES) position of Director, Acquired Immunodeficiency Syndrome Program (AIDSP), at a salary range between \$63,200 and \$73,400 PA. (If filled by a Medical Officer, selected candidate may be eligible for a Physician's Comparability Allowance up to \$10,000, in addition to base salary.) The Director, AIDSP is one of four extramural program directors in the Institute with responsibility for providing leadership and direction in the planning and administration of a program of research grants and contracts in Acquired Immunodeficiency Syndrome, and the related science disciplines of immunology, microbiology, virology, and parasitology. Eligible candidates must meet the qualifications requirements for Medical Officer, GS-602; or Health Scientist Administrator, GS-601 (a Ph.D. in the biomedical sciences, or an appropriate combination of comparable technical and professional knowledge). Candidates must have knowledge of the scientific and administrative aspects of basic biomedical research programs funded through grants and/or contracts where the scientific emphasis is on both clinical and laboratory aspects of infectious diseases. Candidates must also have demonstrated competences to assume leadership responsibilities, and skills as a manager.

Closing Date: September 15, 1987

Interested candidates should submit an Application for Federal Employment, SF-171 (available at all Federal Job Information Centers and Federal Personnel Offices), C.V. and bibliography to the address below. *Resumes alone are not acceptable applications for the Senior Executive Service.*

Mrs. Janie R. Lacy
Personnel Officer, NIAID
Building 31, Room 7A27
National Institutes of Health
9000 Rockville Pike
Bethesda, Maryland 20892

The names of nominees may be phoned in to Mrs. Lacy on Area Code 301-496-9686.

U.S. Citizenship required.

NIH is an Equal Opportunity Employer

Food Safety/ Toxicologist

Frito-Lay, Inc. is a results-oriented company offering outstanding career opportunities to individuals looking to excel. Currently we have a position available for a Scientist at our Dallas facility.

The qualified candidate must have at least 2-3 years' industrial experience in food safety/technical regulatory affairs, plus a Master's degree or Ph.D. in Toxicology, Biochemistry or a related discipline. In addition, you should have practical experience or academic training in the following areas: toxicology, technical regulatory affairs, pesticides, and natural toxicants. Some experience in nutrition would be helpful, but is not essential. Excellent interpersonal skills and familiarity with trade association operations are required.

We offer an excellent salary and benefits package, challenge, and a professional environment where advancement is truly based on performance. Forward your resume with salary history to:

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An Equal Opportunity Employer M/F/V/H

Applications and nominations are invited for the position of

DEAN COLLEGE OF ENGINEERING Michigan State University

Michigan State University invites applications and nominations for the position of Dean, College of Engineering. An individual is sought who can provide leadership for the continuing development of programs in instruction, research and public service and who will serve as a representative of the College in its interaction with government and industry. The Dean of the College of Engineering is the chief executive officer of the College and is responsible to the Provost and the President for the general administration of the College.

Michigan State University is a land-grant institution with fourteen colleges enrolling over 40,000 students. The College of Engineering consists of the departments of Chemical Engineering, Civil and Environmental Engineering, Computer Science, Electrical Engineering and Systems Science, Mechanical Engineering, and Metallurgy, Mechanics and Materials Science and has the responsibility for the engineering programs in the Department of Agricultural Engineering, College of Agriculture and Natural Resources. The College's departments have approximate totals of 130 ranked faculty, 3900 undergraduates, 300 M.S. and 200 Ph.D. students. The College has enjoyed a dramatic growth in all areas over the past decade and a current building program underscores plans for future growth. In addition to the academic departments, the College contains the Division of Engineering Research, the Composite Materials and Structures Center and the A.H. Case Center for Computer-Aided Engineering and Manufacturing.

Applicants must have an earned doctorate, an outstanding record of scholarship and evidence of dynamic leadership. Candidates must meet standards for appointment at the rank of professor (with tenure) in an academic department in the College. Expected starting date is no later than July 1, 1988.

Applications and nominations are requested as soon as possible, preferably by November 1, 1987. Applications and nominations should be sent to:

Chairperson, Search and Rating Committee
Dean of College of Engineering
c/o Office of the Provost
432 Administration Building
Michigan State University
East Lansing, MI 48824

MSU is an Affirmative Action/Equal Opportunity Institution

PROGRAM DIRECTOR

To provide management and leadership in developing and implementing technical assistance and academic support programs for government agencies.

Requires a PhD or equivalent in the physical or computer sciences, mathematics, or engineering with experience in the use of simulators, artificial intelligence, and expert systems in training and education. Experience in interacting with the academic community and government agencies highly desirable. Good entrepreneurial, interpersonal and writing skills; ability to manage technical projects and contracts required.



Oak Ridge Associated Universities
P.O. Box 117
Oak Ridge, Tennessee 37831-0117

Equal Opportunity/
Affirmative Action Employer

UNIVERSITY CORPORATION FOR ATMOSPHERIC RESEARCH VISITING SCIENTIST POSITIONS

The University Corporation for Atmospheric Research (UCAR) is pleased to announce the continuation of its Visiting Scientist Program which provides research opportunities at the Naval Environmental Prediction Research Facility (NEPRF) in Monterey, California, and at the National Meteorological Center (NMC) in Camp Springs, Maryland.

The program offers visiting research appointments in the atmospheric and related sciences at two of the premier R&D centers devoted to operational weather prediction in the United States. A steering committee advises UCAR on appointments and oversees the conduct and development of the UCAR program.

Openings in the UCAR program include positions for senior and postdoctoral scientists. The program at NMC will have, in addition, positions for graduate students working on doctoral research programs.

No formal application form is required. Qualified scientists are encouraged to apply for these programs by sending a resume along with a statement of how their research interests and experience relate to the areas of scientific interest at the host institution. Applicants should designate their choice of program site and should include a brief description of proposed work along with an estimate of computer and/or other resource requirements. All applicants should include four professional references.

Appointments will be made from applications submitted by 3 August 1987, and the second round from those submitted by 15 January 1988. Send the required information to Meg Austin, Corporation Projects, UCAR, P.O. Box 3000, Boulder, CO 80307. For further information and to receive a flyer describing the program in more detail, please contact her at (303) 497-8995.



Government
of Canada

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du Canada

RESEARCH FELLOWSHIPS 1988

The Natural Sciences and Engineering Research Council of Canada (NSERC) offers research fellowships to expand career opportunities for a select number of very promising researchers in the natural sciences and engineering. These awards are tenable in universities or industries in Canada commencing in April 1988.

Eligibility: Canadian citizens or permanent residents of Canada holding a doctorate in science or engineering, preferably with post-doctoral research experience of not more than five years.

Nature of Appointment: Fellows will be employees of the university or industrial firm for the duration of the award and will be engaged in research, development, or innovation activities.

Duration of Appointment: a) University Research Fellowships: Up to five years based on satisfactory performance; possibility of renewal for a second 5-year term.

b) Industrial Research Fellowships: Up to two years based on satisfactory performance.

Remuneration: a) University Research Fellowships: Salary is determined by the university; NSERC will reimburse the university up to \$30,500 per annum towards the cost of each fellow's salary; fellows will receive a three-year research grant.

b) Industrial Research Fellowships: Salary is determined by the industrial firm; NSERC will reimburse the firm \$25,000 per annum towards the fellow's salary.

Application Procedures: Contact the Canadian university or industrial firm of your choice to carry out appropriate negotiations concerning research plans, terms and conditions of appointment, salary, etc. Nominations must be submitted to NSERC by universities or industrial firms, as the case may be. Applications submitted directly to NSERC by candidates cannot be accepted.

Date of Submission: a) 1 November 1987 for University Research Fellowships

b) anytime for Industrial Research Fellowships

For more information, contact the:

Research Fellowships Officer
Natural Sciences and Engineering Research Council
200 Kent Street
Ottawa, Ontario
Canada
K1A 1H5
Telephone: (613) 996-2009

Canada

VETERINARY PATHOLOGIST

Opportunity available for individual with a Veterinary degree (D.V.M.), well-trained in anatomic pathology (Board Certified or Board eligible desired), to contribute to the experimental pathology efforts of the Lovelace Inhalation Toxicology Research Institute.

The Institute has a strong multi-disciplinary team research effort involving scientists in physical, biophysical, and medically-related fields including D.V.M. and M.D. pathologists. The Institute, which is heavily oriented to comparative animal experimentation, is addressing significant problems concerning the effects of airborne toxic materials on man and his environment.

The successful candidate will be expected to design and implement both independent and collaborative research on inhaled toxicants, and to conduct histopathologic examination of a wide range of species and organ systems with primary emphasis on evaluation of respiratory and bone diseases. Salary and starting date negotiable.

Submit resume to: **Personnel Unit, Lovelace Inhalation Toxicology Research Institute, P.O. Box 5890, Albuquerque, NM 87185** or call **(505) 844-9431**. An Equal Opportunity Employer M/F.

POSITIONS OPEN

FACULTY POSITION

The Division of Biochemical Genetics in The Department of Pediatrics, University of Michigan seeks a Board-certified pediatrician with strong background in molecular biology. Competitive salary, research space and start-up funds available. Tenure-track position. Send curriculum vitae to: **Jess G. Thoene, M.D., Chief, Division of Biochemical Genetics, 109 Observatory, 2612 SPH I, Ann Arbor, MI 48109-2029. Telephone: 313-763-3427. University of Michigan is an Affirmative Action/Equal Opportunity Employer.**

THE HEBREW UNIVERSITY OF JERUSALEM THE FACULTY OF AGRICULTURE, REHOVOT DEPARTMENT OF FIELD AND VEGETABLE CROPS POSITION AVAILABLE

LECTURER AND RESEARCHER IN VEGETABLE CROPS. A tenure-track position is available for a scientist with a Ph.D. and postdoctoral training in the biological sciences. He/she should be well versed in the genetic and physiological aspects required for teaching and research on vegetable crops. A general agricultural background, especially in vegetable production, will be advantageous. If necessary the successful candidate will be given time for additional training.

The candidate's responsibilities will include teaching a course in vegetable production and participating in teaching other courses in the field of his/her specialization, all of which will be conducted in Hebrew. He/she will be expected to develop research in the field of breeding and physiology of vegetable crops, and to guide graduate students.

Starting grade according to qualifications. The position will be open from October 1987.

Candidates should apply to: **Professor A. Marani, Head, Department of Field and Vegetable Crops, Faculty of Agriculture, Rehovot 76100, Israel** and include curriculum vitae and list of publications, until 1 September 1987. In addition, recommendations from three scientists should be sent directly to the above address.

POSITIONS OPEN

NATIONAL SCIENCE FOUNDATION (NSF) WASHINGTON, D.C. 20550 HEAD, UPPER ATMOSPHERE SECTION

NSF's Division of Atmospheric Sciences is seeking qualified candidates for the position of Head, Upper Atmosphere Section. The Section includes programs in aeronomy, magnetosphere, solar terrestrial, and upper atmospheric facilities. This Senior Executive Service position, with a salary range of ES-1 (\$64,700) to ES-4 (\$73,400), is announced on a career appointment basis.

Applicants must have a Ph.D. or equivalent experience in atmospheric sciences or physics; substantial research contributions, and strong evidence of scholarship in atmospheric sciences or innovative leadership in research administration in solar/terrestrial or upper atmosphere research; and the ability to achieve organizational objectives through the supervision and management of subordinates.

Applicants should contact: **Margaret Cademartori, telephone: 202-357-7601** (hearing impaired individuals may call **TDD 202-357-7492**) to request Announcement EP 87-6 for complete qualification requirements and application procedures. Applications must be received by 15 September 1987.

Equal Opportunity Employer

MOLECULAR BIOLOGIST

The Department of Pathology and Laboratory Medicine at Emory University is seeking a molecular biologist (M.D. or Ph.D.) to work in the division of hematopathology. The individual is expected to develop diagnostic molecular pathology and an independent research program in collaboration with the existing hematopathology faculty members. The rank (instructor/assistant professor) and salary will be commensurate with the experience of the individual. Send curriculum vitae and names of three references to: **Dr. Kenneth W. Sell, Chairman, Department of Pathology and Laboratory Medicine, Emory University School of Medicine, Atlanta, GA 30322.** Closing date is 31 August 1987. *Emory University is an Equal Opportunity Employer.*

POSITIONS OPEN

IN VITRO FERTILIZATION TECHNICIAN

Akron City Hospital, an acute care facility with 513 beds, is currently seeking an in vitro fertilization technician. Responsibilities include performing in vitro fertilization using laboratory techniques.

Successful candidate will have a B.S. degree in reproductive physiology or cell biology; M.S. preferred, with training in tissue culture techniques in a research or clinical setting, and/or 2 years of experience working in an established IVF laboratory.

Competitive salary and comprehensive benefit package which includes tuition reimbursement and an on-site child care facility.

Please submit résumé including salary history to:

**Akron City Hospital
Department of Human Resources
525 East Market Street
Akron, OH 44309
Telephone: 216-375-3255
Equal Opportunity Employer**

MOLECULAR BIOLOGIST

A tenure-track position at the assistant professor level will be available in the Department of Neuroscience, University of Florida College of Medicine, starting 15 July 1988. Minimum requirements include at least 2 years of postdoctoral experience, the ability to teach graduate and medical students, and the ability to establish an independent research program. Whereas research expertise should include demonstrated competence with recombinant DNA technology, prior training in neuroscience is not required. The individual should, however, have an interest in applying this technology to problems in the neurosciences. Applicants should send a summary of research interests, curriculum vitae, and the names of three referees to: **Dr. Gerry Shaw, Department of Neuroscience, University of Florida College of Medicine, Box J-244, JHMC, Gainesville, FL 32610.** Deadline for the receipt of applications is 1 October 1987.

The University of Florida is an Equal Opportunity/Affirmative Action Employer.

Pulmonary Research Opportunity

Pfizer, a leading company in pharmaceutical research and innovation, has an immediate opening within the Pulmonary Group of its Department of Immunology and Infectious Disease. The successful candidate will join a multidisciplinary team of scientists engaged in the discovery of novel agents for the treatment of pulmonary diseases.

You must have at least a BS in Physiology or Biology and experience with pulmonary mechanics/pharmacology. Ideally, this experience should include measurement of the mechanics of respiration and blood gas analysis.

In addition to a stimulating scientific environment, we also offer competitive compensation, benefit package and the opportunity to live in an attractive Connecticut shore community. Please send resume and description of research accomplishments to: **Lorraine C. Corr, Personnel Associate, Pfizer Central Research, Eastern Point Road, Groton, Connecticut 06340.**



An equal opportunity employer



CHAIRPERSON Molecular Virology

Roswell Park Memorial Institute (RPMI), an NCI-designated comprehensive cancer center, is embarking on a program of expansion. A significant aspect of this effort will be a new Department of Molecular Virology. Applications are invited from well-established investigators with active research programs to undertake the recruitment, development, and leadership for this new research department.

RPMI has extensive programs in basic and clinical research. The new Molecular Virology Department will be located in a modern, six-story building which currently houses the existing Departments of Molecular & Cell Biology and Human Genetics, with combined staffs of 24 independent investigators. The RPMI campus consists of six major research buildings and a 200-bed hospital, with a senior staff of more than 200 scientists and clinicians. Excellent opportunities exist for active interactions and collaborations with other scientific staff as well as clinical programs. These opportunities extend to nearby State University of New York, The Medical Foundation of Buffalo, Children's Hospital, and Buffalo General Hospital. In addition, RPMI is a division of the Graduate School of the State University of New York at Buffalo and, as such, has an active graduate training program and a Research Studies Center housing extensive classroom, conference room, computing, and library facilities. While the new Molecular Virology Department will have primarily a research mission, the new director and staff will be offered appointments as Research Professors in the graduate program. Candidates should hold Ph.D. or M.D. degrees and should have a strong background in molecular biology and virology. The research interests of the candidate may be in any area of virology, or a related area of molecular biology, including oncogene research. The successful candidate will be chosen primarily on the strength of his/her research program and the significance of scientific accomplishments.

Candidates should send a curriculum vita and the names of three references to: **Dr. Verne M. Chapman, Associate Director of Scientific Affairs, Roswell Park Memorial Institute, 666 Elm Street, Buffalo, New York 14263, Phone: (716) 845-4444.**

RPMI IS AN AFFIRMATIVE ACTION/EQUAL OPPORTUNITY EMPLOYER.

**Roswell Park
Memorial Institute**

Thomas B. Tomasi, MD, PhD — Director
Department of Health & State of New York
666 Elm Street • Buffalo, New York 14263

Request for Applications for Research Funds

The Health Effects Institute (HEI) announces its 1987 Request for Applications (RFAs).

The Health Effects Institute is a non-profit corporation that supports studies of the health effects of automotive emissions. It is funded jointly by the United States Environmental Protection Agency and the automotive industry at a level of about \$6 million per annum.

HEI supports *in vitro*, animal, and human studies that will improve our ability to quantify effects on human health in the near or longer term. Current studies are investigating a variety of pollutants, including aldehydes, carbon monoxide, nitrogen dioxide, ozone, and diesel exhaust.

Full applications are now being accepted for research concerning:

- Acute and Chronic Effects of Atmospheric Oxidants
- Behavioral and Neurotoxicological Effects of Methanol and other Constituents of Automotive Emissions

Preliminary applications are being solicited for:

- New Methods for Assessing Health Risks from Automotive Emissions
- Health Effects of Automotive Emissions

Materials describing the Health Effects Institute, specifics of the research topics, and preparation of applications are available.

Requests and inquiries should be directed to: **Dr. Jane Warren, Director of Research, The Health Effects Institute, 215 First Street, Cambridge, Massachusetts, 02142, 617/491-2926.** Letters of Intent should be submitted no later than September 21, 1987. Full applications will be accepted until October 26, 1987. Preliminary applications are welcome at any time. An Affirmative Action/Equal Opportunity Employer.

The Health Effects Institute

Postdoctoral Scientist

The Department of Experimental Pathology at Smith Kline & French Laboratories located in suburban Philadelphia, PA is seeking a Postdoctoral Scientist to engage in a collaborative research investigation of the responses of vascular smooth muscle to injury in rat model systems of arterial injury. The position will involve experimental work supervised by both the Pharmacology and Experimental Pathology Departments. The successful candidate will also be encouraged to collaborate with scientists in other departments at SK&F and in the scientific community at large, and will be expected to publish his/her research findings in leading scientific journals and make presentations at scientific meetings.

The successful candidate will:

- characterize, using standard isolated tissue techniques, the responsiveness of isolated arteries to vasoactive agents prior to and subsequent to acute and chronic arterial injury.
- extend these studies to *in vivo* models of regional blood flow where appropriate.
- investigate the biochemical basis of changes in the expression of receptor phenotypes by vascular smooth muscle during arterial regeneration and repair.

Candidates are required to have:

- Ph.D. in Pharmacology, Biochemistry or related discipline,
- 0-3 years postdoctoral research experience,
- proven research ability and an interest in relating the pharmacologic/biochemical responses of vascular smooth muscle to injury in animal models of arterial disease.

We offer an excellent compensation, benefits and relocation package as well as opportunities for personal and professional growth. Please forward your C.V. and the names of three references to: Mary Ann McCarry-C0035 Smith Kline & French Laboratories, Research & Development, P.O. Box 1539, King of Prussia, PA 19406-0939. We are an Equal Opportunity Employer, M/F/H/V.

SK&F
A SmithKline Beckman Company

CHAIR, DEPARTMENT OF NUCLEAR ENERGY Brookhaven National Laboratory

Brookhaven National Laboratory, a multiprogram laboratory located on Long Island, New York, and managed by Associated Universities, Inc. under contract with the U.S. Department of Energy, is seeking a distinguished engineer or scientist to serve as Chair of the Department of Nuclear Energy.

The Department of Nuclear Energy is one of the major scientific departments at Brookhaven. The activities of the Department include programs related to reactor development, operation and safety, and to development of neutral particle beams. The current effort includes theoretical and experimental studies on the safety of commercial nuclear power plants, development of designs for advanced, compact nuclear power plants, development of improved methods for safeguarding nuclear materials, nuclear waste management studies, compilation and evaluation of nuclear data required for users throughout the world, and construction and operation of a radiation effects facility using the BNL 200 MeV proton LINAC.

The Department, with a staff of 300, is organized into twelve divisions. The majority of the funding for the Department's activities is provided by the U.S. Nuclear Regulatory Commission and the U.S. Department of Energy.

Candidates are expected to have international reputations in the nuclear sciences field. It is desirable that candidates have a Ph.D. in engineering, physics, or chemistry; have extensive experience including research and applied or industrial environments; be proven managers; have a successful record of working with program managers at government agencies, universities, and industrial organizations; and be able to bring to Brookhaven new opportunities for the Department. Expressions of interest, which should include a resume and publications list, may be sent to: DNE Search Committee, Building 197C, Brookhaven National Laboratory, Associated Universities, Inc., Upton, Long Island, New York, 11973. Attention: Dr. J.M. Hendrie. Equal Opportunity Employer m/f.

BNL BROOKHAVEN
NATIONAL LABORATORY
ASSOCIATED UNIVERSITIES INC.

POSITIONS OPEN

THE AUSTRALIAN NATIONAL UNIVERSITY. Applications are invited for appointment to the position of **FIXED TERM LECTURER IN MARINE MICROPALAEONTOLOGY OR PALYNOLOGY**, DEPARTMENT OF GEOLOGY, FACULTY OF SCIENCE. The appointee will assist in teaching undergraduate courses in palaeontology and stratigraphy, practical and field classes, and supervision of honours and post-graduate students. A research program in some aspect of marine micropalaeontology or paly-nology will need to be developed. Applicants will be expected to hold an appropriate postgraduate qualification. The appointment will be for 3 to 5 years, and will be available from 1 January 1988. Closing date: 30 September 1987. Ref: FS.9.7.2 Salary: Lecturer; \$A28,381 to \$A37,122 per annum. Applications should be submitted in duplicate to: **The Registrar, The Australian National University, GPO Box 4, Canberra ACT 2601 Australia**, quoting reference number and including curriculum vitae, list of publications, and names of at least three referees. The University reserves the right not to make an appointment or to appoint by invitation at any time. Further information is available from the Registrar. *The University is an Equal Opportunity Employer.*

MAGNETIC RESONANCE IMAGING SPECIALIST

The Fox Chase Cancer Center, a nationally known comprehensive cancer center, is seeking a highly qualified MRI specialist. Candidates for this position should possess a Ph.D. in physics, chemistry, electrical engineering, or a related field, and have an understanding of MRI and NMR Theory, as well as experience with hardware, software, and programming. The individual selected for this position will be responsible for developing and extending the imaging methodology on the department's 2T Magnetom Clinical Imager, the initiation and implementation of experimental imaging sequences on the department's 2.3T Biospec and 9.3T AM400 and in a broader sense, they will have responsibility for developing and expanding the imaging research program both in terms of technique and application within the overall goals of the NMR department. For consideration, please send curriculum vitae along with list of references and publications to:

Director of Personnel
Fox Chase Cancer Center
7701 Burholme Avenue
Philadelphia, PA 19111
Equal Opportunity Employer

MARINE AQUACULTURIST

Applications are invited for a faculty level position for a continuing research program of culturing pelagic squids in closed seawater systems. The applicant should have a Ph.D. in marine biology, biological oceanography or related field with a minimum of 3 years of practical experience in marine aquaculture, preferably closed system culture. The appointee will participate in the planning, analyses, and publication of culture experiments. Applicant should have working knowledge of biostatistics and seawater filtration and chemistry. Appointee will have the opportunity to pursue basic research in a subject related to the squid culture program. Highest priorities will be given to those applicants whose research specialty is in the fields of disease prevention, development, reproduction, or systems design.

Send curriculum vitae, selected reprints, and names of three scientific references to: **Roger T. Hanlon, Ph.D., Chief, Division of Biology and Marine Resources, The Marine Biomedical Institute, The University of Texas Medical Branch (UTMB), Galveston, TX 77550-2772.**

UTMB is an Affirmative Action/Equal Opportunity Employer.

We have openings for M.S. or Ph.D.'s in **QUANTITATIVE ECOLOGY** for projects in ecosystem and water quality simulation modeling, and impact assessment with emphasis on innovative statistical approaches. Experience with marketing ecological services and proposal writing of value. Excellent opportunities for personal growth for individuals who share our dedication to excellence. We are an environmental services contract research company (formerly Martin Marietta Environmental Systems). Please send résumé to: **Monica C. Ballard, Versar, Inc., ESM Operations, 9200 Rumsey Road, Columbia, MD 21045. MF/Equal Opportunity Employer.**

RESEARCH

EXECUTIVE DIRECTOR ADVANCED SYSTEMS INSTITUTE VANCOUVER, BRITISH COLUMBIA

CEO wanted for a new and unique research institution with the goal of becoming a world leader in advanced systems, including microelectronics, computer science, artificial intelligence, robotics, and associated technologies. The Institute is being established as a collaborative venture of the three B.C. universities (University of B.C., Simon Fraser University, University of Victoria), and the federal and provincial governments, and in close consultation with industry.

Among essential characteristics and skills are outstanding scientific research achievements, demonstrated managerial ability, entrepreneurial and industry orientation, good interpersonal skills and proven leadership. He/she will be an intellectual leader who is comfortable in the university community, yet sensitive to the needs and opportunities of industry.

There will be an opportunity for the right person to continue to pursue his/her own research interests by a Senior Fellow joint appointment at one or more of the three universities.

The Vancouver and Victoria area is unique in Canada for its mild climate, with unparalleled opportunities for varied recreational and cultural activities, and equidistant between Europe and Japan.

Salary is negotiable and commensurate with qualifications and experience. In accordance with Canadian immigration requirements, priority will be given to Canadian citizens and permanent residents of Canada. Further information on this challenging position may be obtained in confidence from David Brousson, **ADVANCED SYSTEMS INSTITUTE, Suite 405, Discovery Park, 3700 Gilmore Way, Burnaby, B.C. V5G 4M1. Telephone: (604) 435-0551.**

Research Scientists Experimental Immunology

Amgen, a leading biotechnology company with a broad technical base, is seeking **Research Scientists**. Qualified candidates will have a Ph.D or M.D. degree and at least two years of post doctoral or equivalent experience involving a range of immunological methodologies. Positions are also available for experienced **Research Associates** having a Master's degree and a strong background in relevant research. **Amgen** currently has several major programs addressing the biological roles of **Human Lymphokines** and **Cytokines**. Our advances in this area have made us a leader in the field of **Biological Response Modifiers**.

Amgen's research efforts involve the identification, isolation, development and application of new medical therapeutics utilizing recombinant DNA and hybridoma technologies.

Amgen offers a stimulating research environment and maintains a close association with academic institutions through research collaborations and its Scientific Advisory Board.

Amgen offers an excellent salary and benefits package as well as equity participation. Applications including a curriculum vitae and the names of three references should be sent to:

Recruitment, Dept. #25
AMGEN
1900 Oak Terrace Lane
Thousand Oaks
CA 91320

Equal Opportunity Employer



DIRECTOR OF REPRODUCTIVE ENDOCRINOLOGY AND INFERTILITY

College of Medicine, University of
Tennessee, Memphis
University Physicians Foundation, Inc.
Memphis, Tennessee

Faculty position in Division of Reproductive Endocrinology and Infertility, in the Department of Obstetrics and Gynecology, College of Medicine, University of Tennessee, Memphis. An experienced scientist and clinician is sought to be Director of the Division. Successful candidates should be board certified in Obstetrics and Gynecology, and in Reproductive Endocrinology. They should have distinguished record of research, including extensive experience in gamete research. They should also have a distinguished record in directing a fellowship program in Reproductive Endocrinology, in developing faculty in Reproductive Endocrinology, and in directing a research and clinical program that will include *in-vitro* fertilization and other new technologies. Experience in consulting and working with national organizations is desirable. Interested candidates please send curriculum vitae to **Joe Leigh Simpson, M.D., Faculty Professor and Chairman, Department of Obstetrics and Gynecology, College of Medicine, University of Tennessee, Memphis/University Physicians Foundation, Inc., 853 Jefferson Avenue, Memphis, Tennessee 38103.** *The University of Tennessee is committed to an aggressive program in Affirmative Action, and encourages applications from minority individuals for this position.*

GAMETE BIOLOGIST REQUIRED FOR IN VITRO FERTILIZATION LABORATORY

Applications are being accepted by the Department of Obstetrics & Gynecology, McMaster University, for a Gamete Biologist. This will be a joint faculty position with the Department of Laboratory Medicine of McMaster University. The position requires planning and organizing an IVF laboratory, hiring and training of laboratory personnel and developing research programs related to the field. Experience in semen analysis, embryology, tissue culture, embryo cryopreservation and animal testing is required. Applicants should have a consistent track record in research and education and possess the ability to attract grants. The University academic rank will be dependent on the applicant's credentials and experience.

Salary range—\$40,000 to \$50,000 per annum.

In accordance with Canadian Immigration requirements, this advertisement is directed to Canadian citizens and permanent residents. An application and Curriculum Vitae should be forwarded to **Dr. John Collins, Chairman, Department of Obstetrics & Gynecology, Faculty of Health Sciences, McMaster University, 1200 Main Street West, Hamilton, Ontario, Canada, L8N 3Z5.**



Government
of Canada

Gouvernement
du Canada

VISITING FELLOWSHIPS IN CANADIAN GOVERNMENT LABORATORIES 1988-89

The Government of Canada offers visiting fellowships in Canadian Government Laboratories to provide promising young scientists with the opportunity to work with well-established research groups and leaders in their fields. These fellowships are tenable in the laboratories of the following departments and agencies:

Agriculture Canada
Atomic Energy of Canada Limited
Communications Canada
Energy, Mines and Resources
Environment Canada

Fisheries and Oceans Canada
Health and Welfare Canada
National Defence
National Museums of Canada
National Research Council Canada

Eligibility: Applicants should have received a doctorate from a recognized university within the last five years or a master's degree followed by at least two years of research experience and a demonstrated capability to conduct independent research.

There are no citizenship restrictions. However, successful candidates who are not Canadians or permanent residents of Canada must satisfy Canadian immigration requirements.

Stipend: Fellowships have an annual value of \$28,992 plus a travel allowance.

Duration of Tenure: Appointments are made for one year; renewals for a second year are possible.

Application Procedures: The deadline for receipt of applications is December 15, 1987. Information regarding application procedures may be obtained from:

Visiting Fellowships Officer
Natural Sciences and Engineering Research Council
200 Kent Street
Ottawa, Ontario
Canada
K1A 1H5
Telephone: (613) 996-4363

Canada

PHARMACOLOGIST MOLECULAR

Ayerst Laboratories, a subsidiary of Fortune 100 American Home Products Corporation, anticipates an opening at their state-of-the-art research facility located in the Princeton, New Jersey area, for a Molecular Pharmacologist to work within the department of Pharmacology and participate in the establishment of novel approaches to drug discovery and elucidation of the mechanisms of drug action. Involvement with various ongoing research areas within the department will be emphasized.

The appropriate candidate would have a PhD degree with a minimum of 3 years of postdoctoral and/or industrial experience in the area of second messenger regulation of cellular activity. Experience in cyclic nucleotide biochemistry, and in the purification and characterization of phosphodiesterases and/or cyclic nucleotide-dependent protein kinases is strongly desired. Candidates should possess highly developed oral and written communication skills and a strong publication record.

Ayerst offers an excellent salary and benefits package with opportunities for career advancement. Interested candidates should submit a resume with salary requirements to:

Personnel Manager, Dept. DG

Ayerst®

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LABORATORIES
RESEARCH, INC.**

CN 8000
Princeton, NJ 08543-8000

Equal Opportunity Employer M/F/H

POSITIONS OPEN

MOLECULAR BIOLOGY/GENETICS

The Department of Biology at Loyola University of Chicago invites applications for a 9-month tenure-track academic position at the level of assistant professor. A Ph.D. and postdoctoral experience are required. Individuals should be using modern molecular or biochemical techniques to study problems in molecular biology or genetics, including population studies. The successful candidate will develop an active research program, direct graduate students, and teach genetics and biostatistics. Submit curriculum vitae, a description of research interests, and the names of three references by 15 September 1987 to: **Dr. Jeffrey Doering, Chairman, Search Committee, Department of Biology, Loyola University of Chicago, 6525 North Sheridan Road, Chicago, IL 60626.** *An Equal Opportunity Employer.*

THE UNIVERSITY OF CALGARY FACULTY OF MEDICINE MOLECULAR OR DEVELOPMENTAL BIOLOGY

Applications are invited for faculty positions at the **ASSISTANT OR ASSOCIATE PROFESSOR** level. Applicants should possess a Ph.D. and/or M.D. degree and a minimum of 2 years of postdoctoral experience and a proven record of excellence in research in the general area of eukaryotic gene regulation and the molecular biology of development. Successful candidates will be eligible to apply for salary and establishment funding support by competitive application to the Alberta Heritage Foundation for Medical Research. Establishment support covers costs of setting up a new laboratory with major/minor equipment and operating funds for a 2-year period. Rank and remuneration will be appropriate for qualifications and experience. Successful applicants will be expected to devote at least 75% of their time to their research program. The closing date for receipt of complete applications is 15 September 1987.

In accordance with Canadian immigration requirements, priority will be given to Canadian citizens and permanent residents of Canada. However, all other qualified interested individuals are encouraged to apply.

The University of Calgary is an Equal Opportunity Employer.

Applications should include a detailed curriculum vitae, a synopsis of research interests, two reprints of recent publications, and, applicants should arrange to have three letters of reference sent directly to: **Dr. Kostas Iatrou, Chairman, Search Committee, Department of Medical Biochemistry, Faculty of Medicine, The University of Calgary, 3330 Hospital Drive N.W., Calgary, Alberta T2N 4N1, Canada.**

NEUROBIOLOGY

The Department of Biology at Loyola University of Chicago invites applications for a 9-month tenure-track academic position at the level of assistant professor. A Ph.D. and postdoctoral experience are required. Individuals with research interests in the areas of neurophysiology, neuropharmacology, neuroendocrinology, or neuromuscular physiology are encouraged to apply. The successful candidate will develop an active research program, direct graduate students, and teach at both the undergraduate and graduate levels. Please submit curriculum vitae, a description of research interests, and the names of three references by 15 September 1987 to: **Dr. A. J. Rotermund, Chairman, Search Committee, Department of Biology, Loyola University of Chicago, 6525 North Sheridan Road, Chicago, IL 60626.** *An Equal Opportunity Employer.*

POSTDOCTORAL POSITION, available now, to investigate the regulation of plastid gene expression and control of differentiation among the various types of higher plant plastids. Experience in molecular biology or immunological techniques desirable. Send curriculum vitae and two letters of reference to: **Dr. M. Reith, Division of Life Sciences, Scarborough Campus, University of Toronto, Scarborough, Ontario, M1C 1A4, Canada.**

POSITIONS OPEN

PEDIATRICIAN—The Children's Hospital of Philadelphia is recruiting a physician for a joint appointment in the Division of Biochemical Development and Molecular Diseases and the Division of Genetics whose primary responsibility would be teaching clinical investigation and research involving inherited metabolic diseases. Applicants should have 8 to 10 years experience with certification in medical genetics, and quality for appointment at the associate professor level in the Department of Pediatrics, University of Pennsylvania School of Medicine. *An Equal Opportunity/Affirmative Action Employer.* Send curriculum vitae to: **Stanton Segal, M.D., The Children's Hospital of Philadelphia, 34th and Civic Center Boulevard, Philadelphia, PA 19104.**

PHYSICAL OCEANOGRAPHER/NUMERICAL MODELER—The University of Delaware College of Marine Studies invites applications for a 12-month, tenure-track faculty position in physical oceanography. Applicants should have a Ph.D. in physical oceanography or related field, with experience in computer modeling of oceanic or atmospheric processes. The successful applicant will be encouraged to develop an independent research program, which may include collaboration with other physical oceanographers in the College. The College has an active group of physical oceanographers involved with field and model studies, laboratory experimental work, and historical data analysis. Facilities available include an IBM 3081D computer with terminal access on both campuses, and high-speed access from both Lewes and Newark campuses to national computer networks. Teaching at the graduate level will be required and the successful candidate will be expected to develop a funded research program involving graduate students. It is anticipated that the appointment will be at the assistant professor level, but applications from more senior persons are welcome. Applicants should send curriculum vitae, pertinent reprints, and the names of three references by 31 August 1987 to the chairman of the search committee: **Dr. Charles Epifanio, College of Marine Studies, University of Delaware, Lewes, DE 19958.** Telephone: 302-645-4267. *The University of Delaware is an Equal Opportunity/Affirmative Action Employer.*

PHYSIOLOGIST/PHARMACOLOGIST

A tenure-acquiring faculty position at the rank of assistant professor is available in the Department of Biomedical Sciences, University of South Alabama, for individuals with training in physiology/pharmacology. Qualifications include Ph.D. in physiology or pharmacology, a commitment to excellence in undergraduate teaching, and evidence of productivity in research. Postdoctoral training is preferred. Duties will include teaching physiology and pharmacology in a cross-disciplinary undergraduate program in biomedical sciences and development of an active research program. Applicants should submit curriculum vitae, an outline of research plans, and the names and addresses of references. Application deadline is 31 August 1987, or until filled. Send applications to: **Dr. Harold Jones, Chair, Department of Biomedical Sciences, University of South Alabama, 135 Life Sciences Building, Mobile, AL 36688.** *Equal Employment Opportunity/Affirmative Action Employer.*

PHYSIOLOGY

ASSISTANT PROFESSOR to teach medical students, undergraduate and graduate students. Ph.D. with at least 2 years of postdoctoral experience. Faculty are expected to develop an independent research program; opportunities also exist for collaborative research in a number of areas of research on systems, organs, or tissues. Send curriculum vitae, statement of research plans and interests, and the names of three references to: **Dr. A. R. Lind, Professor and Chairman, Department of Physiology, St. Louis University Medical School, 1402 South Grand Boulevard, St. Louis, MO 63104.** *Affirmative Action/Equal Opportunity Employer M/F/V/H.*

PLANT AND MOLECULAR BIOLOGIST, Assistant professor: tenure-track position beginning in September 1988. The candidate is expected to teach courses in botany, general physiology, molecular biology, nutrition and metabolism, and introductory biology; and supervise undergraduate research projects. Ideal for the person who likes to interact with good students in small group settings. Submit curriculum vitae along with three letters of recommendation to: **Dr. E. Perry, Biology Department, Knox College, Galesburg, IL 61401.** Telephone: 309-343-0112 by 15 October 1987. *Affirmative Action/Equal Opportunity Employer.*

POSITIONS OPEN

POSTDOCTORAL ASSOCIATE POSITION. Available now, will involve development of physiologically-based pharmacokinetic models to describe the absorption, distribution, metabolism, and excretion of xenobiotics. The research will emphasize in vivo and in vitro metabolic studies as well as interaction in the programming of the models. A Ph.D. in a relevant discipline and experience in conducting metabolic studies are minimum prerequisites for this position.

This 2-year appointment is in the Biochemical Toxicology Group of the Toxicology Department. Compensation is commensurate with qualifications and experience. Send résumé or curriculum vitae, including names, addresses, and telephone numbers of three professional references, to: **Dr. Clay B. Frederick, Research Division, Rohm and Haas Company, Spring House, PA 19477.** *Equal Opportunity Employer M/F.*

POSTDOCTORAL ASSOCIATES IN MOLECULAR GENETICS of baculoviruses to study regulation of persistent infections and late gene expression. Positions available immediately for candidates with a Ph.D. in microbiology, biochemistry, or related field. Experience in recombinant DNA techniques required. Send curriculum vitae, reprints and names of references to: **Dr. H. Alan Wood, Boyce Thompson Institute, Cornell University, Tower Rd., Ithaca, NY 14853.** *An Affirmative Action/Equal Opportunity Employer.*

POSTDOCTORAL FELLOW—Henry Ford Hospital announces an immediate opening for the position of postdoctoral fellow in its Molecular Biology Research Laboratory. The individual selected will study the role of chromatin structure in eukaryotic gene expression [see E.G., *Cell* 48, 289–295 (1987)]. Experience in biochemistry/molecular biology and mammalian cell culture is preferred. Competitive salary and outstanding benefits are available. For consideration send curriculum vitae and the name of three references to: **Deloris Hunt, Henry Ford Hospital, Employment Center, 2921 West Grand Boulevard, Detroit, MI 48202.** *Equal Opportunity Employer.*

POSTDOCTORAL FELLOW research position available for neurochemist/neuropharmacologist to study underlying biochemical mechanisms responsible for the neuronal cell death caused by the dopaminergic neurotoxin MPTP and by amino acid-like excitotoxins such as kainic acid. Possibility exists for interdisciplinary research in other disciplines. Applicant should have a good foundation in the biochemistry and/or pharmacology of the central nervous system. Send curriculum vitae, statement of research interests and career goals, and names of three references to: **Richard E. Heikkila, Ph.D., or to William J. Nicklas, Ph.D., Department of Neurology, UMDNJ—Robert Wood Johnson Medical School (formerly Rutgers Medical School), 675 Hoes Lane, Piscataway, NJ 08854–5635.** *Equal Opportunity/Affirmative Action Employer M/F/H/V.*

POSTDOCTORAL POSITION EXPERIMENTAL BIOPHYSICS

Position available immediately for a research associate with a Ph.D. in experimental biophysics or physiology to study electric and magnetic fields associated with propagating action potentials in peripheral nerves, skeletal muscle, cardiac muscle, and the central nervous system. Experience in electrophysiology and mathematical modeling preferred. Send curriculum vitae and names of three references to: **Dr. John P. Wikswo, Department of Physics and Astronomy, Vanderbilt University, Box 1807 Station B., Nashville, TN 37235.** Telephone: 615-322-2828.

Vanderbilt University is an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITION

NSF/EPA-funded study on the fate of genetically-engineered bacteria and DNAs in soil and water. Microbial ecologist experienced with microcosms preferred; experience with genetics or molecular biology helpful but not necessary. Available 36 months about January 1988 at US \$22,000 per year. Before 1 October 1987, send résumé, publications, and references to: **George Lacy, Associate Director, University Center for Environmental and Hazardous Materials Studies, Virginia Polytechnic Institute and State University (VPI and SU), Blacksburg, VA 24061.** *VPI and SU is an Affirmative Action/Equal Opportunity Employer complying with the Immigration Control Act.*



BIOPROCESS DEVELOPMENT SCIENTIST

IDEC Incorporated, the leader in the clinical application of anti-idiotypic antibodies, seeks an experienced bioprocess engineer to lead its production process development efforts. Qualified candidates must have a Ph.D. in bioengineering or allied field, experience in both scale-up of mammalian cell culture systems, and downstream protein purification process development. Leadership potential and pharmaceutical and/or biotech industrial experience are strongly preferred. The Bioprocess Development Scientist will lead the company's production optimization and scale-up efforts at the Mountain View facility in the transition from R&D into full scale commercial manufacturing.

HYBRIDOMA RESEARCH ASSISTANT

B.A., B.S. or equivalent degree in biological science required. Applicant must have 2 or more years experience in hybridoma monoclonal antibody techniques. Candidate should have demonstrated skills in cell culture, immunoassay and antibody characterization. Individual needed to develop innovative hybridoma technology.

IDEC Incorporated is a young and growing biotechnology company located in Mountain View and La Jolla, California. The company is currently conducting human clinical trials at leading medical centers using monoclonal anti-idiotypic antibodies. IDEC offers full benefits and the growth potential commensurate with technical and managerial accomplishments.

Send resumes with statement of qualifications and experience to:

**Director of Personnel
IDEC Incorporated
291 North Bernardo Avenue
Mountain View, California 94043**

IDEC is an equal opportunity employer.

Sandoz Ltd., a leading Swiss-based international company with a strong commitment to pharmaceutical research, is offering a position for a

POSTDOCTORAL FELLOW

in their Biotechnology department to participate in a group effort in the area of protein-nucleic acid interactions. Candidates with a strong background in biochemistry/molecular biology and experience in protein purification should send their applications with curriculum vitae to:

**SANDOZ LTD.
Personnel Department
Ref. 7808
Attention Mr. R. Zbinden
CH-4002 Basle/Switzerland**



Executive Director

Commission on Behavioral and Social Sciences and Education

The National Research Council (NRC), the principal operating arm of the National Academy of Sciences, the National Academy of Engineering, and the Institute of Medicine, a nationally prominent non-profit, non-government institution located in Washington, D.C., invites applicants for the position of Executive Director of the Commission on Behavioral and Social Sciences and Education. The Commission is a major source of expertise and analysis of issues and problems arising in the fields. A staff of approximately 50 professionals supports the work of the committees and panels of the Commission.

The Executive Director manages the Commission as one of eight major program units of the NRC. His or her responsibilities include: program initiation; administration and review; development of funding and budgets; and recruitment and supervision of staff.

Applicants should have the following qualifications: Ph.D. or equivalent in one of the behavioral or social sciences and at least 10 years of experience in research, research administration, or the application of research to public policy; familiarity with U.S. Government sponsorship of research in the social sciences and education and the Government's need for related advice and studies; and demonstrated staff and financial management capability.

Applicants should send résumé to:

**Executive Officer
National Research Council
2101 Constitution Avenue, N.W.
Washington, D.C. 20418**

An Equal Opportunity Employer.



POSITIONS OPEN

CYTOSKELETON POSTDOCTORAL POSITION

Postdoctoral position is available to study cytoskeletal reorganization in living cells. Questions to be examined include cell motility, cell division, membrane-cytoskeleton interactions, oncogenic transformation, and myogenesis. The approach involves state-of-the-art methods of fluorescence microscopy, microinjection, image intensification, digital image processing, and fluorescence photobleaching. Applicants should submit curriculum vitae, descriptions of previous research with reprints, and three letters of recommendation to: **Dr. Yu-li Wang, c/o Personnel Office, Cell Biology Group, Worcester Foundation for Experimental Biology, 222 Maple Avenue, Shrewsbury, MA 01545.**

*An Equal Opportunity/Affirmative Action Employer
M/F/H*

POSTDOCTORAL POSITION available immediately. NIH-funded project is to study mechanics of pulmonary interstitium and pleural space. Send curriculum vitae including names and telephone numbers of three references to: **Dr. Stephen Lai-Fook, Center for Biomedical Engineering, Wenner-Gren Research Laboratory, University of Kentucky, Lexington, KY 40506-0070.** *Equal Opportunity/Affirmative Action Employer.*

POSTDOCTORAL POSITION IN IMMUNOLOGY available for Ph.D., M.D., or holders of equivalent degree. Areas under study include the role of the eosinophilic leukocyte in hypersensitivity reactions and in host-defense against helminths with particular attention to the biochemistry and molecular genetics of toxic cationic proteins, the mechanisms of hypersensitivity reactions to antigens, and characterization and measurement of allergens. Studies involve the use of monoclonal antibodies and recombinant DNA. Applicants must be U.S. citizens or hold an immigrant's visa. Contact: **Dr. Gerald J. Gleich, Chairman, Department of Immunology, Mayo Foundation, Rochester, MN 55905.** Telephone: 507-284-2511. *An Equal Opportunity/Affirmative Action Institution.*

POSITIONS OPEN

POSTDOCTORAL POSITION available 1 October 1987 for the study of DNA photochemistry and photobiology. Experience with DNA sequencing techniques essential. Appointment initially for 1 year (renewable); salary is negotiable depending on experience. Send résumé, including detailed summary of research experience, and three letters of reference to: **Dr. Francis P. Gasparro, Photobiology Laboratory, Department of Dermatology, Yale University, 333 Cedar Street, New Haven, CT 06510.** *Equal Opportunity/Affirmative Action Employer.*

POSTDOCTORAL POSITION for research on the role of airborne aerosol particles in (i) obstructive lung disease and/or (ii) atmospheric chemistry. Ph.D. in biomedical field or atmospheric chemistry required. Experience with analytical electron microscopy and computer modeling is desirable. Send résumé, transcripts, reprints, statement of research interests, and names of three references to: **P. R. Buseck, Chemistry Department, Arizona State University, Tempe, AZ 85287.** *An Equal Opportunity/Affirmative Action Employer.*

POSTDOCTORAL POSITION available immediately to study biochemical mechanisms of insulin resistance in a newly developed animal model of Type II diabetes. Background in cellular physiology, biochemistry, and hormone-receptor interactions is desirable. Must be U.S. citizen. Send curriculum vitae and have three letters of recommendation sent to: **Daniel E. Peavy, Ph.D., Department of Physiology and Biophysics, Indiana University School of Medicine, 635 Barnhill Drive-MS 374, Indianapolis, IN 46223.**

POSTDOCTORAL POSITION IN IMMUNOGENETICS

An NIH-funded postdoctoral position is available for the study of the murine major histocompatibility complex. Investigations will focus on the molecular genetics of the Q and TL multigene families. Please send curriculum vitae and names of three references to: **Dr. Lorraine Flaherty, Wadsworth Center for Laboratories and Research, Empire State Plaza, Albany, NY 12201.**

Life Scientist For Space Research

RCA Government Services/OMS, Inc. a subsidiary of GE, invites applications for the position of Experiment Support Scientist at NASA-Ames Research Center in Mountain View, California.

Requirements include a doctoral degree and significant postdoctoral experience in mammalian systemic physiology or a closely related discipline. Work tasks will be related to the development and management of NASA sponsored animal and plant research experiments to be conducted in space.

For immediate consideration, please send resume, summary of education and names of three references to: **Catherine I. Block, RCA Government Services-OMS, P.O. Box 138, Bldg. N240A, Moffett Field, CA 94035.**

Equal Opportunity Employer



Postdoctoral Scientist Immunologist / Cell Biologist

The Department of Cell Biology at Smith Kline & French Laboratories, located near Valley Forge, Pennsylvania, is seeking an Immunologist/-Cell Biologist to join our hybridoma group investigating the "state-of-the-art" in the area of human monoclonal antibody production/transfection technology. The successful candidate will use a combination of techniques related to immunology and molecular biology.

Candidates must have:

- a Ph.D. in Immunology, Molecular or Cellular Biology.
- expertise in hybridoma technology, tissue culture experience, training in antibody-based assay, immunochemistry or biomedical methods.
- 0-2 years postdoctoral experience.

We consider postdoctoral studies to be of major importance in an individual's career and encourage publication of findings in leading journals and full interaction with the scientific community. Our postdoctoral appointments are normally of two years duration.

We offer excellent compensation and benefits as well as an attractive relocation policy. For confidential consideration, send your curriculum vitae and the names of three references to Robert F. Obst, R&D Senior Employment Consultant, R0081, Smith Kline & French Laboratories, Research and Development Division, P. O. Box 1539, King of Prussia, PA 19406-0939. We are an Equal Opportunity Employer, M/F/H/V.

SK&F
A SmithKline Beckman Company

ASSOCIATE EDITOR SCIENCE MAGAZINE

Editorial position available for a Ph.D. earth scientist with two or three years research experience and publications in the refereed literature. The successful candidate should be well-versed in both quantitative and qualitative aspects of geophysics, geochemistry, and atmospheric and oceanographic sciences. General interest in physical sciences is expected. Initial duties will include editing manuscripts for clarity and style, with progress to wide responsibilities in manuscript selection. Previous editorial experience not required. This is a full-time position in our Washington, D.C. editorial office.

Please submit résumé with cover letter, including salary requirements, to:

**Carolyn Bell
SCIENCE Magazine
1333 H Street, NW
Washington, D.C. 20005**

We are an Equal Opportunity Employer.



Postdoctoral Researcher Analytical Biochemistry

Genentech, Inc. is a research and development company which utilizes recombinant DNA technology to produce pharmaceutical products for the treatment of a variety of human diseases.

An opportunity will soon exist for a highly motivated protein chemist with a strong background in physical biochemistry. The position will involve the use of UV spectroscopic methods to study the structure of our protein products. Methods will be evaluated to determine their suitability for monitoring the structure and aggregation status of these proteins especially during the manufacturing and formulation process steps, and in subsequent storage. The successful candidate will have a Ph.D. in Biochemistry or Biophysics and appropriate experience in at least one of the major UV spectroscopic methods such as absorption, CD or fluorescence.

Genentech, Inc. offers an excellent salary and benefits packet coupled with the opportunity to make a significant contribution to our organization. Please send your resume to: Genentech, Inc., Dept. JG3333, 460 Point San Bruno Blvd., South San Francisco, CA 94080. An equal opportunity employer.

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BRL Technical Services

Join Bethesda Research Laboratories' growing Technical Services Group. This group provides technical support for BRL products through the Tech-Line,™ workshops, seminars, Focus, and the applications laboratory. Innovative scientists with good communication skills and experience in molecular biology techniques are sought for the following positions:

Staff Scientist (Ph.D)

- Teach DNA - sequencing and recombinant DNA workshops
- Develop new applications in the laboratory
- Present techniques seminars
- Handle technical questions

Technical Specialist (B.S./M.S.)

- Handle technical questions
- Develop new applications in the laboratory
- Assist at workshops

These positions offer competitive salary and benefits. Travel is required. Send your resume in confidence to:

Mr. Richard L. Hotelling, Jr., *Personnel Manager*
GIBCO/BRL Division, Life Technologies, Inc.
8717 Grovemont Circle, Gaithersburg, MD 20877
Attn: Dept. NS7/31 An equal opportunity employer, M/F/H/V

Expect More From Syntex

Syntex is an international healthcare company with a reputation for developing quality pharmaceutical products. Currently, we have openings for:

Managers, Process Development/Scale-Up, Controlled Release or Parenterals.

Duties and requirements are similar for both positions. You'll supervise a group responsible for developing processes, identifying equipment to improve process development and preparing New Drug Application (NDA) batches. You must be able to work effectively with new product formulators and Operations personnel within Syntex's domestic and international organization and with outside manufacturers. We're looking for self-starters with excellent people skills. You must have a degree in Pharmacy, Chemical Engineering, Chemistry or Microbiology and 2-10 years' related experience in an industrial environment.

Chemist/Engineer, Process Development/Scale-Up

You'll develop processes and prepare NDA batches for controlled release, small volume parenterals and/or solid dosage form pharmaceuticals. BS/MS in Pharmacy or Chemical Engineering and 2-5 years' related industrial experience are required.

Manager, Manufacture of Sterile Products

You'll be responsible for the new sterile facility currently under construction. Duties include supervising the manufacture of sterile drug products for clinical supplies. To qualify, you must have a degree in Pharmacy, Chemistry, Microbiology or related field and 2-7 years' related experience working with industry tools such as air ovens, lyophilizers and high speed filling, sealing and capping machines. Strong knowledge of FDA guidelines as they apply to a research environment is also required. Some supervisory experience would be helpful.

Manufacturing Chemist/ Pharmacist, Sterile Products

You'll be responsible for sterile product manufacturing in an R&D setting. MS or BS in Pharmacy, Chemistry or Microbiology; a minimum of 3 years' experience in sterile product formulation or manufacturing; and excellent communication skills are required. Familiarity with high speed filling, sealing and freeze drying techniques and equipment is desired.

Please send your resume to Syntex, Dept. PS-PD, 3401 Hillview Ave. Palo Alto, CA 94304. EOE.



POSITIONS OPEN

POSTDOCTORAL POSITION: MECHANISM OF ACTION OF AN ANTICANCER NUCLEOSIDE ANALOGUE. Applications are invited for a postdoctoral position currently available with a laboratory group studying the biochemical mechanism by which a nucleoside analogue, that is currently in clinical trials, kills cells. The project involves cell culture techniques, enzymology, and studies of effects on DNA synthesis and repair and transcription. Applicants should have a strong background in biochemistry or cell biology; experience with the relevant techniques is an advantage. Salary: \$22,000 to \$26,000 depending on prior postdoctoral experience. Position renewable up to 3 years. Send curriculum vitae and three letters of recommendation to: **Dr. Raymond L. Blakley, St. Jude Children's Research Hospital, 332 North Lauderdale, Memphis, TN 38101.**

POSTDOCTORAL POSITION with USDA, Agricultural Research Service is available immediately for research biologist to join group investigating the nature of host plant resistance to pests and developing novel approaches to protect crop plants against damage by insects. Project includes emphasis on introduction of insect resistance into tomato through intergeneric transfer of resistant genes from other Solanaceous plants. Experience desired in some of the following: plant cell/tissue culture, protoplast fusion, micromanipulation, and general molecular genetics. Salary range GS-11, \$27,172/GS-12, \$32,567 per annum. Must be U.S. citizen. For information on the research program, contact: **Dr. Anthony C. Waiss, Jr., telephone: 415-486-3650, Western Regional Research Center, ARS, U.S. Department of Agriculture, 800 Buchanan Street, Albany, CA 94710.** For application procedures/forms, contact: **Rita Millard at 301-344-3138.** Applications in response to this ad must be marked 7W020. *The USDA is an Equal Opportunity/Affirmative Action Employer.*

POSTDOCTORAL POSITIONS (TWO)—Available immediately to study role of extracellular matrix proteins in nervous system development. Background in neural cell culture, hybridoma production, electron microscopy or molecular biology desirable. Send curriculum vitae plus names and addresses of three references to: **Dr. David J. Carey, Weis Center for Research, Geisinger Clinic, Danville, PA 17822.** *Equal Opportunity Employer M/F/H*

POSTDOCTORAL RESEARCH ASSOCIATE sought for studies investigating the relationship between tyrosine hydroxylase phosphorylation and catecholamine biosynthesis. Competence in protein phosphorylation, SDS-PAGE, and enzyme assays is required. Experience with cell culture and subcellular fractionation is desirable. Send curriculum vitae, publication list, and reference list to: **J. W. Haycock, Department of Biochemistry, Louisiana State University Medical Center, 1100 Florida Avenue, New Orleans, LA 70119.** *Equal Employment Opportunity/Affirmative Action.*

POSTDOCTORAL RESEARCH ASSOCIATE—Position available for an electrophysiologist to characterize the properties of central axons which have regenerated along peripheral nerve implants. Preference given to applicants experienced in spinal cord physiology and/or tract-tracing, and histological techniques. Please send curriculum vitae with names of three references to: **Dr. Julia K. Terzis, Microsurgical Research Center, Eastern Virginia Medical School, 700 Olney Road, Norfolk, VA 23507.**

POSTDOCTORAL RESEARCH ASSOCIATE—A postdoctoral position to study the mechanism of interaction of pyrrolizidine alkaloids with nucleophilic biological substrates is available. Mass spectrometry will be used extensively. A Ph.D. in organic chemistry, physical organic chemistry, or biochemistry is required. Previous research experience in mass spectrometry is essential and experience with chromatographic systems and separation, isolation, and purification of oligonucleotides is highly desirable. Salary range \$19,000 to \$21,000 depending on experience and qualifications. Send curriculum vitae and names of three referees by 17 August 1987 to: **Dr. Max Deinzer, Department of Agricultural Chemistry, Oregon State University (OSU), Corvallis, OR 97331.** *OSU is an Affirmative Action/Equal Opportunity Employer and Complies with Section 504 of the Rehabilitation Act of 1973.*

POSITIONS OPEN

POSTDOCTORAL RESEARCH ASSOCIATE BROOKHAVEN NATIONAL LABORATORY

Postdoctoral position in macromolecular crystallography is available at the Center for Structural Biology in the Biology Department at Brookhaven National Laboratory. The candidate would participate in neutron protein crystallography, analysis of water structure in proteins and refinement techniques including protein dynamics. Facilities include spectrometers at Brookhaven's High Flux Beam Reactor (HFBR) and National Synchrotron Light Source (NSLS) and "online" VAX computing facilities with access to IBM and Cray computers. Applicants should submit curriculum vitae and names of three references to: **Dr. Benno P. Schoenborn, Biology Department, Brookhaven National Laboratory, Associated Universities, Inc., Upton, Long Island, NY 11973.** *Equal Opportunity Employer M/F.*

POSTDOCTORAL RESEARCH POSITION

Postdoctoral research position in molecular virology available 1 September 1987, salary range \$20,000 to \$25,000. Research areas include (i) immunochemistry of viral envelope proteins, (ii) cloning, mapping, and expression of BVD virus genome, (iii) characterization of BVD virus DI particles and persistent infections, (iv) replication and assembly of RNA viruses, and (v) processing and assembly of viral envelope proteins. Previous experience in virology/tissue culture and strong background in biochemistry/molecular biology is essential. Excellent facilities include large, well-equipped molecular virology laboratory. Send applications, curriculum vitae, and names of three references before 15 August 1987 to: **Dr. James R. Etchison, Department of Veterinary Science, Montana State University, Bozeman, MT 59717.**

Montana State University is an Equal Opportunity/Affirmative Action Employer.

RESEARCH ASSOCIATE

Research associate (postdoctoral) position available immediately to study the regulation of collagen gene expression. Experience in molecular biology preferred. Send curriculum vitae to: **Dr. Barbara Smith, Boston University Medical Campus, Department of Biochemistry, K726, 80 East Concord Street, Boston, MA 02118.**

RESEARCH ASSOCIATE, Ph.D. NIH-funded position available immediately to study effects of omega 3-fatty acids on lipoprotein metabolism and atherosclerosis. Interest and experience in molecular biology and tissue culture desirable. Salary commensurate with experience. Send curriculum vitae and names of three references to: **Dr. P. V. Subbiah, Section of Endocrinology and Metabolism, Rush Medical College, 1653 West Congress Parkway, Chicago, IL 60612.**

RESEARCH ASSOCIATE position is available immediately to investigate the control of intestinal water and electrolyte by the immune system and by inflammatory cells. This research focuses on the interactions between the epithelium, mesenchymal cells, the immune system, and the enteric system. Ph.D. applicants could have experience in either the immunology, physiology, pharmacology, or biochemistry of eicosanoids and inflammation. Send curriculum vitae, summary of research and experience and names of three references to: **Dr. D. W. Powell, Department of Medicine, 326 Burnett Womack Building, University of North Carolina, Chapel Hill, NC 27514.** Telephone: 919-966-2511. *The University is an Affirmative Action/Equal Opportunity Employer.*

RESEARCH ASSOCIATE to conduct studies on cataract formation in rat models, using light microscopy and analytical electron microscopy for morphological and enzyme histochemical analysis of lens tissue. Experience in tissue processing, thin sectioning, transmission electron microscopy, and photomicrography required. Preference given to candidates with background in x-ray microanalysis, morphometric analysis, and/or biochemistry. Requires M.S. and 2 years of related experience. Funding of project assured until 30 June 1990. Salary range \$18,000 to \$22,000. Application deadline: 1 September 1987. Send curriculum vitae, three references with telephone numbers to: **Dr. Willis Gorthy, Department of Anatomy, Colorado State University, Fort Collins, CO 80523.** *Equal Opportunity/Affirmative Action Employer.*

POSITIONS OPEN

RESEARCH ASSOCIATE

Postdoctoral Position. A cellular/molecular biologist sought to characterize and clone cDNA for a protein associated with a unique intracellular vesicle that directly moves to the cell surface in response to growth factors. This is one of several ongoing projects directed towards understanding the transmembrane signaling mechanism of receptor/tyrosine kinases (IGF-1, EGF), and the pleiotropic consequences of signaling. Send a résumé and the names of three references to: **Dr. Paul F. Pilch, Department of Biology, Boston University, School of Medicine, 8 Concord Street, Boston, MA 02118.** *An Equal Opportunity Employer M/F.*

RESEARCH BIOLOGIST

Postdoctoral position with USDA, ARS, North Dakota 58105, available immediately for a biologist/biochemist to join multidisciplinary team studying biochemistry and cell biology of insects. Includes molecular analyses of cell proliferation, differentiation and nitrogen metabolism, with emphasis on regulation by hormones, polyamines, and xenobiotics. Applicants should have a strong background in biology and experience with cell culture and biochemistry techniques. Funded for 3 years. Salary range \$27,172/GS-12, \$32,567 per annum. Must be U.S. citizen. For information on the research program, contact: **Dr. Roger Leopold 701-237-5771, ext 5420.** For information on application procedures contact: **C. R. Enunton, 301-344-3138, Per Division, BARC W, Building 003, Beltsville, MD 20705.** Applications should be marked Code 1 and be received by 15 September 1987. *An Equal Opportunity Employer.*

TWO RESEARCH ASSOCIATE/ POSTDOCTORAL POSITIONS

Available immediately for 1 to 3 years, to either the restoration of motor and sensory function of peripheral nerve grafts onto the spinal cord, or the study of astrocytes in affecting the conduction properties of demyelinated nerve fibers. Experience related to either of these subjects or in spinal cord electrophysiology, somatosensory physiology or pathophysiology preferred. Send curriculum vitae, description of research interests, and names and addresses of three references to: **Kenneth J. Smith, Department of Anatomy and Biology, Eastern Virginia Medical School, P.O. Box 1980, Norfolk, VA 23501.**

RESEARCH POSITION: Cellular Immunology and Molecular Biology. The Pulmonary Unit (A Services) of the Massachusetts General Hospital staff opening for a Ph.D. with a strong background in cellular immunology and molecular biology to work in newly expanded laboratory facilities. Interest in the use of in vitro techniques, including culture work, and interest in environmental/occupational immunology are desirable. Please send curriculum vitae and a brief description of research interests to: **James M. Smith, Pulmonary Unit, Bulfinch 1, Massachusetts General Hospital, Boston, MA 02114.** *An Equal Opportunity/Affirmative Action Employer.*

SCIENTIST, STAFF (PHARMACOLOGY/SEARCH)—ALZA, a manufacturer of innovative drug delivery systems, currently requires a staff research scientist for its Skin Biology Research group. This position requires a doctoral degree in pharmacology with 1 year of postdoctoral research.

The successful candidate will be expected to plan and carry out research within the framework of our Skin Biology Program. To this end extensive experience in skin cell culture and a basic knowledge of the function and action of pharmacologic agents as related to topical and transdermal therapy will be required, as demonstrated by experience in permeation studies, drug metabolism, local reaction of skin to drug administration, and the ability to model these systems *in vivo* and *in vitro*. The salary range for this position is \$41,000 to \$55,000 depending upon background and experience. Résumés and responses must be postmarked no later than 31 August 1987 to be considered. If employed you must show you have the legal right to work in the U.S. For immediate consideration, send your résumé to: **ALZA, Employment Department, 950 Page Mill Road, P.O. Box 10950, Menlo Park, CA 94033-0802.** *We are an Equal Opportunity Employer.*

Permanent and Postdoctoral Molecular Biologist Positions

Battelle, Pacific Northwest Laboratories is seeking applications for two permanent staff and one postdoctoral positions.

1. **Molecular Biologist** with experience in eucaryotic systems to work in growing program on the molecular biology of radiation carcinogenesis. At least two years' postdoctoral research experience in molecular biology is required. Experience in the areas of development, oncogenes, mutation or gene expression is desirable.
2. **Molecular Biologist** required to work at our Marine Research Laboratory at Sequim, WA. The position requires at least two years of postdoctoral experience in molecular biology research. The applicants should have a desire to develop a research program which applies molecular biology techniques to marine biology research.
3. **Postdoctoral Position** is available in molecular biology of radiation carcinogenesis with an emphasis on examining the role of oncogene activation in radiation-induced tumors. Applicants should be recent PhD's with a background in molecular or cellular biology or biochemistry. The stipend for the position will depend on qualifications and experience but will be at least \$22,000.

U.S. citizenship required.

Applicants for these positions should send curriculum vitae, statement of research interests, and names of three references to:
**Loren P. Henderson,
Employment, Dept. 001, Battelle,
Pacific Northwest Laboratories,
P.O. Box 999, Richland, WA 99352.**

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opportunity
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NATIONAL INSTITUTES OF HEALTH PUBLIC HEALTH SERVICE POST-DOCTORAL OPPORTUNITIES FOR AIDS RESEARCH AT NIH

Post-doctoral positions are available to carry out research at the campus of the National Institutes of Health in Bethesda, Maryland on the development of a targeted anti-viral agent for the treatment of AIDS. These positions are part of a new cooperative effort to utilize the techniques of structural biology, molecular biology, enzymology, and organic chemistry, to develop an agent based on structural and mechanistic considerations that will interfere with the AIDS virus (HIV) life cycle. Inquiries should be directed to the scientists listed below at the **National Institutes of Health, 9000 Rockville Pike, Bethesda, Maryland 20892.**

Positions are available for:

Theoretical chemist to investigate structure-function relations in HIV proteins using molecular modelling and simulation methods (write to **Dr. Bernard R. Brooks, DCRT, Building 12A, Room 2057; Tel: 301-496-0148.**)

Organic chemist with experience in organophosphorus or nucleoside chemistry to synthesize reverse transcriptase inhibitors (write to **Dr. William M. Egan, FDA, Building 29, Room 530; Tel: 301-496-2542.**)

Organic chemist to synthesize reagents which oxidatively inactivate HIV proteins (write to **Dr. Rodney L. Levine, NHLBI, Building 3, Room 106; Tel: 301-496-2310.**)

Nucleic acid chemist to synthesize nucleic acid analogues which bind to and oxidatively cleave viral nucleic acids (write to **Dr. Rodney L. Levine, NHLBI, Building 3, Room 106; Tel: 301-496-2310.**)

Bio-organic chemist with interest in mechanistic enzymology to participate in the design, synthesis and mechanistic investigation of active-site-directed inhibitors of HIV enzymes (write to **Dr. Donald M. Jerina, NIDDK, Building 8, Room 1A15; Tel: 301-496-4560.**)

Biochemist with experience in protein kinase and phosphorylation analyses and HPLC purification techniques to investigate the role of protein phosphorylation in viral replication, and to develop inhibitors of the phosphorylation process (write to **Dr. Robert I. Glazer, NCI, Building 37, Room 5D02; Tel: 301-496-3268.**)

Structural biologist to investigate HIV components by high resolution electron microscopy and image processing (write to **Dr. Alasdair Steven, NIAMS, Building 6, Room 114; Tel: 301-496-0131.**)

Molecular biologist or enzymologist to study the mechanism of action of cloned reverse transcriptase from HIV (write to **Dr. Shelby L. Berger, NCI, Building 6, Room B1-05; Tel: 301-496-2886.**)

Molecular biologist or biochemist to work on expression, purification, and site-directed mutagenesis of CD4 (T4) protein, the HIV receptor (write to **R. Daniel Camerini-Otero, NIDDK, Building 10, Room 9D-15; Tel: 301-496-2710.**)

Molecular biologist to study tat-I and tat-III interactions with cellular factors and regulation of HIV gene transcription (write to **Dr. Teh Jeang or Dr. John Brady, NCI, Building 41, Room B-307; Tel: 301-496-0987.**)

Molecular biologist with strong background in recombinant DNA technology and some experience in protein biochemistry to perform structure-function studies on the HIV *pol* gene (write to **Dr. Judith G. Levin, NICHD, Building 6, Room 305; Tel: 301-496-1970.**)

Molecular biologist to analyse trans-acting gene regulation mediated by the HIV *tat* gene and its interaction with other viral and cellular genes (write to **Dr. Barrie J. Carter, NIDDK, Building 8, Room 304; Tel: 301-496-0604.**)

Molecular biologist to work on the molecular mechanisms of trans-activation in cells infected with human retroviruses, especially HIV (write to **Dr. Alan N. Schechter, NIDDK, Building 10, Room 9N307; Tel: 301-496-5408.**)

Molecular biologist to carry out cloning and expression of HIV genes and site-directed mutagenesis (write to **Dr. Carol J. Marcus-Sekura, FDA, Building 29A, Room 3B05; Tel: 301-496-2696.**)

Molecular biologist to create and characterize transgenic mice expressing HIV gene constructs (write to **Dr. Heiner Westphal, NICHD, Building 6, Room 338; Tel: 301-496-1855.**)

Cellular immunologist or molecular biologist to study the interactions of the CD4 receptor on T cells with HIV envelope protein and MHC class II antigens (write to **Dr. Hana Golding, NCI, Building 10, Room 4B17; Tel: 301-496-9211.**)

Biochemist or immunologist to investigate the "targeting" of monoclonal antibodies and/or lipid vesicles to HIV-infected cells (write to **Dr. John N. Weinstein, NCI, Building 10, Room 4B-56; Tel: 301-496-9571.**)

Theoretical biophysicist to apply a new statistical mechanical algorithm (HAL) for analyzing protein structure-function relations of the HIV envelope protein (write to **Dr. John N. Weinstein, NCI, Building 10, Room 4B-56; Tel: 301-496-9571.**)

EQUAL OPPORTUNITY EMPLOYER

POSITIONS OPEN

Dallas—The University of Texas Health Science Center at Dallas, Department of Psychiatry seeks **RESEARCH FELLOW**. Must be master's level psychologist or social worker with demonstrated clinical research experience in alcoholism. Will be co-authoring manuscripts and grants primarily on alcoholism, particularly DWI. Must have basic skills in word processing and computer programming and experienced in basic statistics. Position available 1 August 1987. *We are an Equal Opportunity Employer.* Send curriculum vitae to: **K. Z. Altshuler, M.D., Chairman, Department of Psychiatry, University of Texas Health Science Center at Dallas, 5323 Harry Hines Boulevard, Dallas, TX 75235-9070.**

SENIOR STAFF OFFICER ATMOSPHERIC SCIENCES AND CLIMATE

The Board on Atmospheric Sciences and Climate of the National Research Council is seeking a senior staff officer to assist in planning, coordinating, and executing programs, activities, and reports of the Board, its committees, and panels, maintain contact with academic research activities and awareness of research and development relationships; conduct and publish reviews and studies; act as liaison with scientific and professional societies; and maintain necessary administrative functions including funding analyses and committee functions. This position requires Ph.D. or equivalent in meteorology/atmospheric sciences, at least 4 years of experience in atmospheric sciences research, and 2 years in an administrative area of atmospheric sciences or related field. Please send résumé and salary requirements to: **CPSMR/BASC, JH 810, Position #611,0055, National Research Council, 2101 Constitution Avenue, NW, Washington, DC 20418. An Equal Opportunity Employer M/F/H/V.**

SENSORY NEUROPHYSIOLOGIST: Tenure-track possibility for position available at assistant professor level. Serious commitment to collaborative work within the Microsurgical Research Center. Expertise required to characterize electrophysiologically the properties of central axons which have regenerated along peripheral nerve implants. Preference given to applicants experienced in spinal cord neurophysiology, and tract-tracing and histological techniques. Please send curriculum vitae with three letters of recommendation to: **Dr. Julia Terzis, Microsurgical Research Center, Eastern Virginia Medical School, P.O. Box 1980, Norfolk, VA 23501.**

STAFF OFFICER BOARD ON CHEMICAL SCIENCES

The Board on Chemical Sciences and Technology of the National Research Council is seeking a Ph.D. or equivalent in chemistry, biochemistry, chemical engineering, or closely related area. Incumbent will work under the Staff Director of the Board to plan, direct, and coordinate studies to advise federal agencies on scientific priorities and program assessments. Incumbent will also provide staff support to the Board and to selected other activities, and duties will include arranging meetings and site visits, writing clear summaries of meetings, conducting literature searches, and assisting in the preparation of background papers, drafts, and reports. Candidates should have demonstrated excellent writing and organizational skills, microcomputer familiarity, and the ability to work and communicate effectively with others. Send résumé to: **Dr. Robert Simon, Board on Chemical Sciences and Technology, Position #629,008S, National Research Council, 2101 Constitution Avenue, NW, Washington, DC 20418. An Equal Opportunity Employer.**

TOXICOLOGY POSITION: The Center For Human Toxicology, University of Utah has an opening for an analytical toxicologist. Bachelor's degree in chemistry or related science plus 2 years of experience in forensic or analytical chemistry laboratory required. The successful applicant will have experience in drug analysis by GC, HPLC. Experience with gas chromatography/mass spectrometry preferred. Send résumé or contact: **D. E. Rollins, M.D., Ph.D., Director, Center For Human Toxicology, University of Utah, Salt Lake City, UT 84112. Telephone: 801-581-5117. An Equal Opportunity Employer.**

POSITIONS OPEN

TENURE-TRACK FACULTY POSITION IN PLANETARY SCIENCES, University of Colorado, Boulder. The University of Colorado is expanding and broadening its program of research and teaching in planetary sciences. The Department of Geological Sciences and the Laboratory for Atmospheric and Space Physics invite applications for a joint tenure-track faculty position in the field of planetary sciences. We seek a scientist with a record of independent research in one or more of the following areas: (i) Photogeology, morphology and dynamic process of planetary surfaces; (ii) Geochemical evolution of planetary surfaces; (iii) Planetary surface-atmosphere interactions. Preference will be given to candidates at the assistant professor level, but applications from candidates at a higher level will be considered. The appointment will begin August 1988. Applicants should have a strong commitment to research, to working with graduate students, and to teaching at the graduate and undergraduate levels. To apply, please send a curriculum vitae and arrange to have three letters of reference sent to: **Chairman, Planetary Sciences Search Committee, Department of Geological Sciences, Campus Box 250, University of Colorado, Boulder, CO 80309-0250.** Salary: Commensurate with qualifications. Application deadline: 31 October 1987. Applicants are responsible for making certain that the letters of reference arrive promptly. *The University of Colorado at Boulder has a strong institutional commitment to the principle of diversity in all areas. In that spirit, we are particularly interested in receiving applications from a broad spectrum of people, including women, members of ethnic minorities and disabled individuals.*

The Division of Urology, UCLA School of Medicine, is recruiting a **UROLOGIST** to function as a full-time faculty member primarily in the areas of urodynamics and female urology. Applicants must be Board-certified or Board-eligible, have extensive experience and made sufficient contributions to clinical research in urodynamics, bladder reconstruction and female urology. The applicant must be capable of organizing and supervising a section of neurourology and female urology in a large clinical department. Applicants should submit curriculum vitae, bibliography, and names of references. *UCLA is an Equal Opportunity/Affirmative Action Employer.* Inquiries should be addressed to: **Chief, Division of Urology, UCLA School of Medicine, Los Angeles, CA 90024-1738.**

TRAINING PROGRAM

POSTDOCTORAL TRAINING IN THE BIOCHEMISTRY OF TRANSFORMING GROWTH FACTORS. Position available to study regulation, processing, cellular biology, immuno- and peptide chemistry of transforming growth factors. Supported by a NIH Training Grant focused on many aspects of the biochemistry, molecular biology, and immunology of cancer. Research experience in cell culture, cell fractionation, immunochemistry, and peptide chemistry is desirable. Send curriculum vitae and three letters of recommendation to: **Dr. Robert B. Harris, Virginia Commonwealth University, Department of Biochemistry, Box 614, Richmond, VA 23298-0614. An Equal Opportunity/Affirmative Action Employer.**

POSTDOCTORAL TRAINING OPPORTUNITIES IN DRUG DELIVERY RESEARCH

The research emphasis of this multidisciplinary drug delivery research/training program is on the innovative applications of biochemical and chemical principles to improve the transport of drugs through biological membranes and to direct drugs to specific cellular and subcellular sites. Initial emphasis is being placed on delivery of peptides and proteins. Specific areas of research include: (a) the development of cell culture systems as models for the epithelial and endothelial cellular barriers; (b) use of these cell culture systems to study the transport and metabolism of drugs; and (c) development of carrier-based systems for enhancing membrane flux and for targeting of drugs to specific cellular sites. Applicants should have a Ph.D. degree in biochemistry, pharmacology, chemistry, pharmaceutical chemistry, or related disciplines. Send curriculum vitae with names and addresses of three references to: **Dr. Ronald T. Borchardt, Department of Pharmaceutical Chemistry, The University of Kansas, Lawrence, KS 66045. An Equal Opportunity/Affirmative Action Employer.**

FELLOWSHIPS

POSTDOCTORAL FELLOWSHIP, CELL BIOLOGY: One position is available to study enhancement of healing, in cell culture, using collagen-based artificial skin, in collaboration with a surgeon. Requirement: Ph.D. in cell biology. Send résumé, three letters of recommendation, graduate transcript, and research experience to: **Dr. Semih Erhan, Director, Center for Protein Research, Albert Einstein Medical Center, York and Tabor Roads, Philadelphia, PA 19141.**

MEDICAL COLLEGE OF VIRGINIA VIRGINIA COMMONWEALTH UNIVERSITY DIVISION OF IMMUNOLOGY AND CONNECTIVE TISSUE DISEASES POSTDOCTORAL RESEARCH FELLOWSHIP

Applications are invited for a postdoctoral fellowship in the general areas of immunology and rheumatic or allergic diseases. Investigative areas currently being explored by the research group include immunoglobulin genetics, mast cell biology, and the complement system.

Applicants may have the Ph.D. or M.D. degree, and the ideal applicant will have had substantial research activity related to the general field of immunology and will have fundamental knowledge of and experience in recombinant DNA techniques.

Applications should be sent to: **Shaun Ruddy, M.D., Professor of Internal Medicine and Microbiology and Immunology, Box 263, MCV Station, Richmond, VA 23298-0263. Telephone: 804-786-9685.**

POSTDOCTORAL FELLOWSHIP available immediately for 3 years to participate in studies on the aging of dopaminergic neurons. Experience with receptor analyses, RIA, and HPLC is required. First year salary range: \$18,000 to \$20,000 plus benefits. Send résumé to: **Dr. Chandan Prasad, Section of Endocrinology, Department of Medicine, LSU Medical Center, 1542 Tulane Avenue, New Orleans, LA 70112. LSU is an Affirmative Action/Equal Opportunity Employer.**

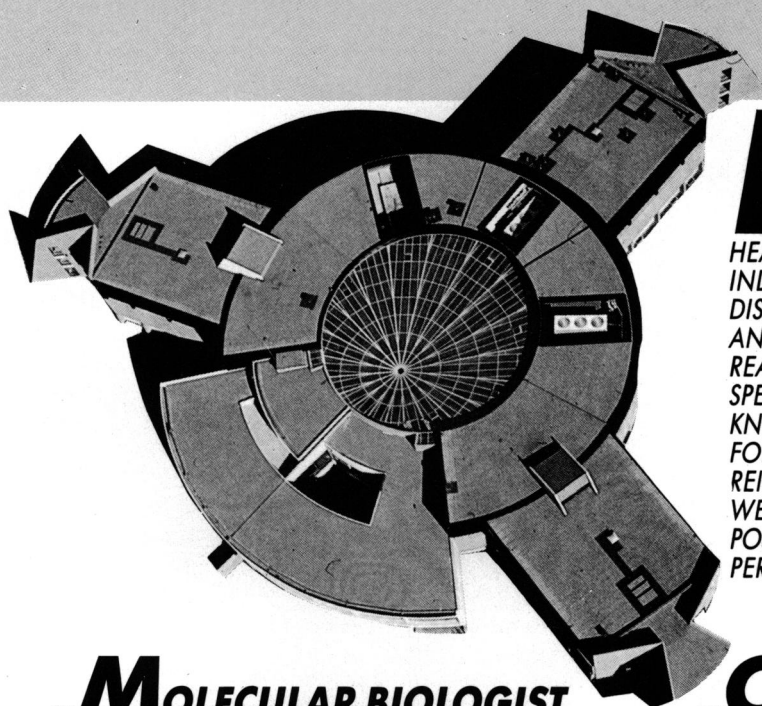
POSTDOCTORAL FELLOWSHIP—A 2-year postdoctoral research fellowship position is available in the Division of Medical Oncology, Jefferson Medical College for 1 August 1987 to study the role of HLA in human sarcomas. Candidates should have a Ph.D. degree with strong background in performing gel electrophoresis as well as basic immunology. Tissue culture experience is suggested, but not mandatory. Please submit curriculum vitae and the names of three references to: **Susan F. Slovin, Ph.D., Michael J. Mastrangelo, M.D., Division of Medical Oncology, Jefferson Medical College, Thomas Jefferson University, 1015 Walnut Street, Philadelphia, PA 19107. Thomas Jefferson University is an Affirmative Action/Equal Opportunity Employer.**

POSTDOCTORAL FELLOWSHIP IN NEUROBIOLOGY

The Rice University Biology Department announces a Huxley Fellowship in Biology. This is a 1-year, renewable appointment. The candidate will be expected to carry out research in Comparative Neurobiology and teach a graduate course in an area of their choosing. Appointment will commence in September 1987. Stipend is \$20,000. Send a résumé and contact three individuals for professional letters of reference. Résumé and letters should be sent to: **Dr. Raymond M. Glantz, Biology Department, Rice University, Houston, TX 77251. Rice University is an Affirmative Action/Equal Opportunity Employer.**

NSRA POSTDOCTORAL FELLOWSHIPS in human biometric-genetic analysis. Applicants may be M.D. or Ph.D. in a related field, and must have some expertise in quantitative methods. Opportunity to develop biometric-genetic methods of analysis and/or to apply such methods in epidemiological studies, especially of cardiovascular disease. Details from: **Dr. R. C. Elston, Department of Biometry and Genetics, Louisiana State University Medical Center (LSU), 1901 Perdido Street, New Orleans, LA 70112. LSUMC is an Affirmative Action/Equal Opportunity Employer.**

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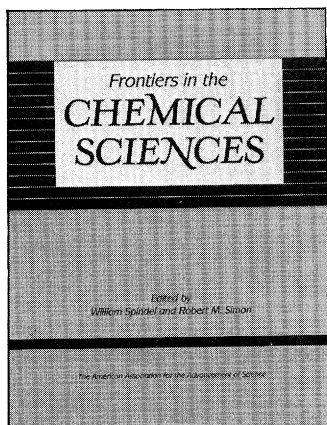
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