

Gene Activity in Early Development. Eric H. Davidson. Academic Press, New York, ed. 2, 1977. xvi, 452 pp., illus. \$18.50. *To order this book circle No. 558 on Readers' Service Card.*

Grzimek's Encyclopedia of Evolution. Bernard Grzimek, Ed. Translated from the German edition (Zurich, 1972). Van Nostrand Reinhold, New York, 1977. 560 pp., illus. \$39.50. *To order this book circle No. 541 on Readers' Service Card.*

Macromolecular Syntheses. A Periodic Publication of Methods for the Preparation of Macromolecules. Vol. 6. James E. Mulvaney, Ed. Wiley, New York, 1977. xii, 116 pp., illus. \$19.50. *To order this book circle No. 528 on Readers' Service Card.*

Marine Pollution. R. Johnston, Ed. Academic Press, New York, 1976. xiv, 730 pp., illus. \$51. *To order this book circle No. 529 on Readers' Service Card.*

Mechanisms of Tumor Immunity. Ira Green, Stanley Cohen, and Robert T. McCluskey, Eds. Wiley, New York, 1977. xii, 320 pp. \$22. A Wiley Medical Publication. *To order this book circle No. 530 on Readers' Service Card.*

Metal Toxicity in Mammals. Vol. 1, Physiologic and Chemical Basis for Metal Toxicity. T. D. Luckey and B. Venugopal. Plenum, New York, 1977. x, 238 pp., illus. \$27.50.

Microeconomics. A Modern Treatment. R. Shone. Academic Press, New York, 1977. xvi, 330 pp., illus. \$20. Economic Theory and Mathematical Economics. *To order this book circle No. 531 on Readers' Service Card.*

Molecular Symmetry and Group Theory. A Programmed Introduction to Chemical Applications. Alan Vincent. Wiley, New York, 1977. x, 156 pp., illus. Cloth, \$13.50; paper, \$5.95. *To order this book circle No. 532 on Readers' Service Card.*

Motor Innervation of Muscle. S. Thesleff, Ed. Academic Press, New York, 1976. xiv, 352 pp., illus. \$21.50. *To order this book circle No. 533 on Readers' Service Card.*

Multiple Periodic Variable Stars. Proceedings of a colloquium, Budapest, Sept. 1975. Walter S. Fitch, Ed. Reidel, Boston, 1976. xiv, 348 pp., illus. \$35. Astrophysics and Space Science Library, vol. 60. *To order this book circle No. 534 on Readers' Service Card.*

The Neuropsychology of Language. Essays in Honor of Eric Lenneberg. R. W. Rieber, Ed. Plenum, New York, 1976. x, 230 pp., illus. \$19.50.

Northland Wild Flowers. A Guide for the Minnesota Region. John B. Moyle and Evelyn W. Moyle. University of Minnesota Press, Minneapolis, 1977. x, 236 pp., illus. \$12.95.

Nutrition, Weight Control, and Exercise. Frank I. Katch and William D. McArdle. Houghton Mifflin, Boston, 1977. xvi, 366 pp., illus. Paper, \$8.95.

Obstetric and Gynaecological Uses of Prostaglandins. Proceedings of a congress, Singapore, Apr. 1976. Sultan M. M. Karim, Ed. University Park Press, Baltimore, 1976. x, 286 pp., illus. \$29.50.

Orderable Groups. Roberta Botto Mura and Akbar Rhemtulla. Dekker, New York, 1977. iv, 170 pp. Paper, \$19.75. Lecture Notes in Pure and Applied Mathematics, vol. 27.

Organic Chemistry. Douglas C. Neckers and Michael P. Doyle. Wiley, New York, 1977. xxxvi, 1148 pp., illus. \$21.95. *To order this book circle No. 535 on Readers' Service Card.*

Paranoia. A Study in Diagnosis. Yehuda

Fried and Joseph Agassi. Reidel, Boston, 1976. xvi, 218 pp. Cloth, \$19.50; paper, \$12. Boston Studies in the Philosophy of Science, vol. 50. Synthese Library, vol. 102. *To order this book circle No. 536 on Readers' Service Card.*

Pathogenesis and Treatment of Headache. Otto Appenzeller, Ed. Spectrum, New York, 1977. x, 218 pp., illus. \$18.

Peptides 1976. Proceedings of a symposium, Wépion, Belgium, Apr. 1976. Albert Loffet, Ed. Editions de l'Université de Bruxelles, Brussels, Belgium, 1976. xxiv, 660 pp., illus. 7400 BF.

Perspectives on Environment and Behavior. Theory, Research, and Applications. Daniel Stokols, Ed. Plenum, New York, 1977. xiv, 360 pp. \$18.95.

Physics, Patents, and Politics. A Biography of Charles Grafton Page. Robert C. Post. Science History Publications (Neale Watson), New York, 1977. vi, 228 pp., illus. \$15.95.

Plant Biology. A Concise Introduction. Ross H. Arnett, Jr., and George F. Bazinet, Jr. Mosby, St. Louis, ed. 4, 1977. xii, 554 pp., illus. Paper, \$10.95.

Plasma Physics. Nonlinear Theory and Experiments. Proceedings of a symposium, Lerum, Sweden, June 1976. Hans Wilhelmsson, Ed. Plenum, New York, 1977. xiv, 514 pp., illus. \$39.50. Nobel Foundation Symposium 36.

Précambrien. Ere Paléozoïque. Charles Pomerol and Claude Babin. Doin, Paris, 1977. 430 pp., illus. Paper, 196 F. Stratigraphie et Paléogéographie.

Probability Methods for Approximations in Stochastic Control and for Elliptic Equations. Harold J. Kushner. Academic Press, New York, 1977. xviii, 244 pp., illus. \$23. Mathematics in Science and Engineering, vol. 129. *To order this book circle No. 537 on Readers' Service Card.*

Psychiatry. Areas of Promise and Advancement. Papers from a meeting, Philadelphia, Apr. 1976. John Paul Brady, Joe Mendels, Martin T. Orne, and Wolfram Rieger, Eds. Spectrum, New York, 1977. xiv, 254 pp., illus. \$15.

Psychopathology of Human Adaptation. Proceedings of a symposium, New York, Apr. 1975. George Serban, Ed. Plenum, New York, 1976. xviii, 382 pp., illus. \$24.50.

Recovery and Restoration of Damaged Ecosystems. Proceedings of a symposium, Blacksburg, Va., Mar. 1975. J. Cairns, Jr., K. L. Dickson, and E. E. Herricks, Eds. University Press of Virginia, Charlottesville, 1977. viii, 532 pp., illus. \$20.

Regulation of Parasite Populations. Proceedings of a symposium, New Orleans, Nov. 1975. Gerald W. Esch, Ed. Academic Press, New York, 1977. xii, 254 pp., illus. \$13. *To order this book circle No. 538 on Readers' Service Card.*

Renal Research. Clinical and Experimental Contributions from Japan. K. Kobayashi, K. Maeda, and K. Ohta, Eds. Karger, Basel, 1977. vi, 152 pp., illus. Paper, \$28.75. Contributions to Nephrology, vol. 6.

Statistical Power Analysis for the Behavioral Sciences. Jacob Cohen. Academic Press, New York, ed. 2, 1977. xvi, 474 pp. \$24.50. *To order this book circle No. 539 on Readers' Service Card.*

Topics in Phosphorus Chemistry. Vol. 9. Edward J. Griffith and Martin Grayson, Eds. Interscience (Wiley), New York, 1977. x, 516 pp., illus. \$43.50. *To order this book circle No. 540 on Readers' Service Card.*

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POSITIONS WANTED

Anatomist/Biologist: Ph.D. summer 1977. Seeks histological, ultrastructural, or administrative position with academic, institutional, or industrial concern. Desires Miami area or near large northeastern urban center. Strong photographic background. Box 258, SCIENCE. X

Biochemist/Chemist. Ph.D. 1973. Experience in immune complex receptor, IgG, platelets, plasma proteins, peptide synthesis and sequencing, enzymology, immunochemistry, organic chemistry, radio-labeling, affinity chromatography, and protein isolation and purification. Seeks research position in industry, academia, or government. Box 259, SCIENCE. X

Microbiologist-Biochemist. Ph.D. Postdoctoral research experience in separation of small molecules-polyamines. Doctoral research experience in biochemical genetics. Glycoprotein enzyme regulation and purification. Some clinical laboratory experience. Teaching in microbiology, genetics, and general biology. Seeks teaching, research, or administrative position. Box 260, SCIENCE. 6/24; 7/1, 8

Microbiologist. Ph.D. 1972. Experienced in public health and clinical bacteriology, virology, and serology as well as molecular virology, university teaching, and laboratory administration. Familiar with RIA, electrophoresis, atomic absorption, spectroscopy, and chromatography. Seeks teaching/research or public health position. Box 265, SCIENCE. X

An experienced **Neurobiologist/Neurophysiologist.** M.D., principal investigator, and faculty member at medical school, seeks research or academic position. Grants. Publications. Box 261, SCIENCE. 6/24; 7/1, 8

Research Assistant/Technician desires challenging position in United States/Canada. Firm background in the molecular biology of embryonic chick muscle development. Excellent publications, references. M.Sc. initiated and executed without supervision (adviser abroad). Box 263, SCIENCE. 6/24; 7/1, 8

Toxicologist/Pharmacologist/Pharmacist. Ph.D. 1974, postdoctorate, assistant professor in medical school. Experienced in hepatic transport, drug metabolism, and distribution. Publications, awards, and grants. Desires academic or industrial position with opportunity for research in modern, fully equipped laboratory. Box 262, SCIENCE. X

POSITIONS OPEN

ANATOMISTS

Two positions for teaching neuroanatomy and gross anatomy to medical and dental students. Excellent research facilities. Send curriculum vitae and names of three referees to:

Dr. T. V. N. Persaud
Department of Anatomy
The University of Manitoba
Winnipeg, Manitoba, Canada R3E 0W3

AQUATIC BIOLOGIST POSTDOCTORAL POSITION

Available immediately. Applications are invited for research on a 1-year project that will investigate the ventilatory responses of fish to fluctuating applications of toxicants. Some familiarity with minicomputers, electronics, and aquatic toxicology would be helpful. Submit application, curriculum vitae, and references to: **Dr. K. Dickson**, Center for Environmental Studies, Virginia Polytechnic Institute and State University, Blacksburg, Virginia 24061. *An Equal Opportunity/Affirmative Action Employer.*

A position of **ASSISTANT PROFESSOR** is available in the Section of Cell Biology of the Yale University Medical School. An investigator of recognized abilities, in the early stages of her or his career, whose research interests are contiguous to, or compatible with, those of the cell biology faculty, is favored. Functional interactions among cellular membranes in macromolecular transport would be an area of major interest, but interactions of cell membranes with physiological ligands and fibrillar or contractile infrastructures are considered equally attractive fields. The new faculty member is expected to participate in the teaching of medical and graduate students. The position will be available as of 1 September 1977.

Applications are invited. They should be sent before 15 July 1977 to: **Dr. G. E. Palade**, Section of Cell Biology, Yale University School of Medicine, 222 Cedar Street, New Haven, Conn. 06510.

The School of Medicine of Yale University is an Equal Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSORS OF ANIMAL SCIENCE (NUTRITION). Rutgers University is seeking two persons with Ph.D. degrees in nutrition. Persons must be interested in teaching at the undergraduate and graduate levels and will be expected to develop dependent research programs in nutrition and to participate in appropriate graduate programs. One position is in the field of equine nutrition and management; the other position is in ruminant nutrition and management, particularly with dairy cattle. Applicants should submit a résumé, transcripts of all college courses, and three letters of reference to: **Dr. Joe L. Evans**, Department of Animal Sciences, Rutgers, the State University of New Jersey, New Brunswick, N.J. 08903. *Rutgers University is an Equal Opportunity/Affirmative Action Employer.*

Carnegie Museum of Natural History, Section of Man, invites applications for an **ASSOCIATE CURATOR OR CURATOR**, rank and salary dependent upon qualifications. Applicant must have a Ph.D., with experience in natural history museum work. Applicant should have broad anthropological interest with a specialty in the archeology of North America, with the prospect of continuing a program of prehistoric study of the Upper Ohio Valley and elsewhere. There are two archeologists on the staff at present. Archeological and ethnological collections are worldwide in scope. Applicant would be expected to work with exhibits and educational sections on various projects. Send curriculum vitae, three letters of recommendation, and publications to: **Dr. Craig C. Black**, Director, Carnegie Museum of Natural History, 4400 Forbes Avenue, Pittsburgh, Pa. 15213.

COMMUNITY ECOLOGIST

Ecologists with a primary interest in communities or plant-animal interactions are invited to apply for a faculty appointment. Rank of the appointment will depend upon the experience and professional attainments of the applicant. Applicants should send a curriculum vitae, list of publications, résumé of research interests, and the names of three references to: **Dr. Stevan Arnold**, Ecology Search Committee, Department of Biology, 1103 East 57 Street, University of Chicago, Chicago, Illinois 60637.

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

POSITIONS OPEN

ASSISTANT PROFESSOR: BIOCHEMISTRY

A faculty position at the rank of assistant professor will be available 1 January 1978. The primary requirement is promise of excellence in teaching and research, but preference will be given to applicants with demonstrated competence in some aspect of neurochemistry.

Applicants should submit a curriculum vitae and list of publications, a brief description of their proposed research, and the names of three references to: **Dr. Norman Kirshner**, Department of Biochemistry, Duke University Medical Center, Durham, North Carolina 27710.

Duke University is an Equal Opportunity/Affirmative Action Employer.

ASSISTANT/ASSOCIATE PROFESSOR OF PHARMACOLOGY. Research/teaching position for experienced biochemically oriented pharmacologist. Preferred qualifications include Ph.D. or M.D. degree with strong interest in active graduate program. Send résumé to: **Joseph R. Bianchini**, Department of Pharmacology, The Ohio State University College of Medicine, Columbus, Ohio 43210. *The Ohio State University is an Equal Opportunity Employer.*

ASSISTANT PROFESSOR OF PHYSIOLOGY

Experience in teaching of medical, dental, and allied health (or nursing) physiology required. Salary \$18,000 to \$19,000 for 12 months. Excellent fringe benefits. Research experience in area of cardiac metabolism essential. We are particularly interested in the effects of ischemia on the nuclear resonance of hydrogen in mammalian hearts. About 65 percent of time available for research. Send curriculum vitae and three references to: **Dr. Ewald E. Selkurt**, Chairman, Department of Physiology, Indiana University School of Medicine, 1100 West Michigan Street, Indianapolis, Indiana 46202. *We are an Equal Opportunity/Affirmative Action Employer.*

Position available: Ph.D. in quantitative plant genetics and biometrics at the **ASSISTANT PROFESSOR** level. Persons applying should be capable in multivariate statistics. Teaching duties will consist of courses at the graduate level and in the freshman biology program as needed. The position carries the possibility of tenure. Salary based on a 9-month contract; salary negotiable, based upon qualifications of applicants. Beginning date: 29 August 1977. Applications, including three letters of recommendation, a résumé, and transcripts should be submitted no later than 15 July 1977 to: **Dr. R. C. Jackson**, Chairman, Department of Biological Sciences, Texas Tech University, Lubbock, Texas 79409. *Texas Tech University is an Equal Opportunity/Affirmative Action Employer.*

CHAIRPERSON, Department of Physiology, University of Arkansas College of Medicine. Send inquiries with curriculum vitae and bibliography to:

Dr. Carl L. Nelson, Chairman, Search Committee
Slot #531, Room 6A19
University of Arkansas Medical Sciences
4301 West Markham Street
Little Rock, Arkansas 72201

Equal Opportunity/Affirmative Action Employer

CHAIRMAN DEPARTMENT OF PSYCHIATRY TEXAS TECH UNIVERSITY SCHOOL OF MEDICINE

Applications are invited from qualified individuals with a distinguished record in teaching and research, an interest in patient care, and demonstrated administrative ability. Send curriculum vitae to: **Dr. Charles D. Barnes**, Chairman, Search Committee, Department of Physiology, Texas Tech University School of Medicine, Lubbock, Texas 79409.

Position open for a **CLINICAL MICROBIOLOGIST**. Northwestern Memorial Hospital and Northwestern University School of Medicine, Chicago, Illinois. M.D. with experience in directing laboratory of clinical microbiology with a strong academic orientation. Active research program obligatory. Strong background in anaerobic microbiology highly desirable. **Box 235, SCIENCE.**

Position open for **DIRECTOR OF CHEMICAL PATHOLOGY**, Northwestern Memorial Hospital and Northwestern University School of Medicine, Chicago, Illinois. M.D. with experience in directing academically oriented laboratory of chemical pathology. Ph.D. in biochemistry or equivalent experience and a research interest in lipoprotein metabolism highly desirable. Send curriculum vitae to **Box 236, SCIENCE.**

POSITIONS OPEN

Position available. Ph.D. in microbiology for an **ASSISTANT PROFESSORSHIP**. Virology specialty in one of the following areas: lower vertebrate, arbo; insect, or plant viruses. Teaching duties will include undergraduate microbiology and virology and graduate virology courses. The position will commence 29 August 1977. Applicants should submit a curriculum vitae (including brief synopsis of future research plans), representative reprints, and three letters of recommendation to: **Dr. D. W. Thayer**, Department of Biological Sciences, Texas Tech University, Lubbock, Texas 79409. *Texas Tech University is an Equal Opportunity/Affirmative Action Employer.*

ASSISTANT PROFESSOR OF MICROBIOLOGY effective 15 July 1977. Responsible for teaching microbiology and parasitology to first- and second-year osteopathic students. Duties will include preparing and giving lectures, assisting in the laboratory, general responsibilities of laboratory slide collection and maintenance, plus other related duties. Ph.D. degree and dedication to teaching. Send curriculum vitae to: **Department of Microbiology, West Virginia School of Osteopathic Medicine, 400 North Lee Street, Lewisburg, West Virginia 24901.** *An Equal Opportunity/Affirmative Action Employer.*

Scripps Institution of Oceanography has an opening for an **ASSISTANT RESEARCH GEOLOGICAL OCEANOGRAPHER**, \$16,600 to \$21,600, to participate in contract and grant supported marine geological projects initially concerned with the fine-scale properties of the sea floor and related oceanographic phenomena. The candidate should have a previous successful record of at least 2 years as a principal investigator on NSF or ONR projects in this field. Send résumé to: **F. N. Spless**, Marine Physical Laboratory, University of California at San Diego, San Diego, Calif. 92152. Telephone: 714-452-2300. *The University of California at San Diego is an Equal Opportunity Employer with an Affirmative Action program. Women and minorities are encouraged to apply.*

BIOCHEMIST-MOLECULAR BIOLOGIST

The Department of Biochemistry is seeking junior faculty members to be appointed as assistant professors beginning in the 1978-1979 academic year. Preference will be given to individuals with research interests in either the molecular biology of mammalian cells or the physical biochemistry of macromolecules. Applicants should forward a curriculum vitae with complete bibliography, summary of future research interests, and the names of three references no later than 1 October 1977 to: **Dr. Eugene G. Sander**, Chairman, Department of Biochemistry, West Virginia University School of Medicine, Morgantown, West Virginia 26506. *West Virginia University is an Affirmative Action/Equal Opportunity Employer.*

BIOCHEMIST to study hormonal regulation of liver metabolism by glucagon and glucocorticoids. Postdoctorate or research associate positions available immediately. Write to **N. Friedmann**, Ph.D., Department of Physiology, University of Texas Medical School, P.O. Box 20708, Houston, Texas 77025.

BIOLOGICAL OCEANOGRAPHER—A position is open in the academic research series within the Marine Life Research Group of the Scripps Institution of Oceanography. Applicant should have a background in plankton field ecology and an interest in physical oceanography and in eastern boundary currents. The Ph.D. or equivalent and several years of experience are required. Salary and rank are open. Send curriculum vitae to **J. L. Reid**, Director, Marine Life Research Group, A-030, Scripps Institution of Oceanography, University of California at San Diego, La Jolla, California 92093. *The University of California at San Diego is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.*

PHYSICAL OCEANOGRAPHER—A position is open in the academic research series within the Marine Life Research Group of the Scripps Institution of Oceanography. Applicant should have a background in both theoretical and descriptive oceanography, and an interest in eastern boundary currents and in work at sea. The Ph.D. or equivalent is required, and several years of experience are preferred. Rank and salary are open. Send curriculum vitae to **J. L. Reid**, Director, Marine Life Research Group, A-030, Scripps Institution of Oceanography, University of California at San Diego, La Jolla, California 92093. *The University of California at San Diego is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.*

POSITIONS OPEN

BUSINESS EXECUTIVE, to arrange a scientific society's annual meetings, manage all aspects of membership and subscription accounts, contracts, non-editorial journal matters, placement service, edit the newsletter, and conduct all societal business affairs. Training or experience in both biological science and business desirable. Prospects with either background considered. Available 1 September. **American Society of Plant Physiologists**, 9650 Rockville Pike, Bethesda, Md. 20014.

CELL BIOLOGIST—Position available immediately for studies on factors influencing the aging and differentiation of cells in culture. A strong background in techniques involving primary cell culture and radioisotope labeling of macromolecules is emphasized. The position is for a minimum of 2 years with a starting salary of up to \$16,500. Send résumé, including references, to **Box 242, SCIENCE**.

CHAIRMAN, DEPARTMENT OF PHYSIOLOGY-BIOPHYSICS

Louisiana State University Medical Center, School of Medicine in Shreveport, invites applications for the position of chairman of the Department of Physiology-Biophysics. Undergraduate courses are provided for programs in medicine. Graduate programs at M.Sc. and Ph.D. levels are offered. Active research program. Application deadline: 22 July 1977. Reply to:

Joseph Lindsay, M.D., Chairman
Search Committee for Physiology and Biophysics
P.O. Box 33932
Shreveport, Louisiana 71130
An Equal Opportunity Employer

EASTERN VIRGINIA MEDICAL SCHOOL CHAIRMAN DEPARTMENT OF ANATOMICAL SCIENCES

Eastern Virginia Medical School of the Eastern Virginia Medical Authority is recruiting a chairman for the Department of Anatomical Sciences. Experience in any of the anatomical sciences is essential and commitment to an interdisciplinary integrated educational curriculum is required.

Applications from qualified candidates are welcome and should be received no later than 15 July 1977. Send curriculum vitae and recommendations to **Joseph T. McFadden, M.D., Chairman, Search Committee for Chairman of Anatomical Sciences, Eastern Virginia Medical School, Box 1980, Norfolk, Va. 23501. The Eastern Virginia Medical School is an Equal Opportunity/Affirmative Action Employer.**

EASTERN VIRGINIA MEDICAL SCHOOL CHAIRMAN DEPARTMENT OF PATHOLOGY

Eastern Virginia Medical School of the Eastern Virginia Medical Authority is recruiting a chairman for the Department of Pathology. Experience in any of the areas of pathology is essential and commitment to an interdisciplinary integrated educational curriculum is required.

Applications from qualified candidates are welcome and should be received no later than 15 July 1977. Send curriculum vitae and recommendations to **Dr. Joe Mullen, Chairman, Search Committee for Chairman of Pathology, Eastern Virginia Medical School, Box 1980, Norfolk, Va. 23501. The Eastern Virginia Medical School is an Equal Opportunity/Affirmative Action Employer.**

DEAN—SCHOOL OF SCIENCE AND NURSING. Earned doctorate required. Teaching, research, and administrative ability desired. Rank and salary open. Send résumé and references to: **Professor R. D. Bechtel, Chairman, Dean Search Committee, School of Science and Nursing, Purdue University Calumet Campus, Hammond, Indiana 46323. An Equal Access/Equal Opportunity University.**

PHARMACOLOGIST/PHYSIOLOGIST for assistant/associate professorship. Qualifications: earned Ph.D. in pharmacology with training and interest in human physiology, teaching experience in med school and/or allied health essential. Salary: commensurate with experience. \$11,500 to \$18,300 for assistant professor, 9-month appointment. Duties: teaching position at graduate and undergraduate levels to include basic pharmacology, cell biology, cellular mechanisms of drug action, and human physiology. Limited research opportunities. Send résumés to: **Dr. Brian Lewis, School of Health Sciences, Grand Valley State Colleges, Allendale, Mich. 49401. Grand Valley State Colleges is an Equal Opportunity/Affirmative Action Institution.**

CONFERENCE ON TSCA CARCINOGENICITY TESTING METHODS

22 to 23 August 1977

These methods are intended to be applied to the enforcement of high-volume suspect chemicals under Toxic Substance Control Act

National Center for Toxicological Research
Jefferson, Arkansas 72079

Chairman: Dr. Morris F. Cranmer

Panel subject areas: Potential Industrial Carcinogens and Mutagens
Hierarchical (Tier) Approach to Testing
Biochemical Parameters to Predict Carcinogenicity
Carcinogenicity Long-Term Bioassay Testing
Carcinogenicity Risk-Assessment Techniques

Each session will be followed by panel discussion and critique.

Persons wishing to be considered as panel members should submit curriculum vitae by 10 July 1977.

Persons who wish to submit written remarks for panel discussion, or wishing to present summary remarks should submit their request and comments (limited to 5 minutes) by 20 July 1977.

For further information: **Mrs. Ruth S. Magee, National Center for Toxicological Research, Jefferson, Arkansas 72079. Telephone: 501-541-4528 or FTS 740-4528.**

THE TRUSTEES OF ARGONNE UNIVERSITIES ASSOCIATION

invite nominations and applications for the position of

PRESIDENT

Argonne Universities Association (AUA) is a corporation consisting of 30 Member universities and is incorporated under the General Not-For-Profit Corporation Act of the State of Illinois for the purpose of fostering scientific research by formulating, approving, and reviewing policies and programs of the Argonne National Laboratory and by conducting or participating in the direction, operation, and development of other scientific research laboratories and similar facilities, within or without the State of Illinois, upon approval of a majority of the Member universities.

AUA currently participates in a tripartite contract among The University of Chicago and the U.S. Energy Research and Development Administration (ERDA) to carry out AUA's obligations in the governance of the Argonne National Laboratory. Under the management responsibility of The University of Chicago, the direction of the Argonne National Laboratory is the responsibility of the Laboratory Director.

The President of AUA is the chief executive officer of AUA and is directly responsible to its Board of Trustees. The President is responsible for carrying out the contractual obligations of AUA with regard to the Argonne National Laboratory; for working with Member universities in fulfillment of AUA's purposes; and for following and, where appropriate, assisting in the emergence of national policies and programs in ERDA.

The President of AUA must have a talent for leadership and must have demonstrated administrative skills through appropriate experience in governmental or university work or both. He or she must be a college graduate with at least one or more advanced degrees in a discipline related to the activities of the Argonne National Laboratory. Full-time appointment is preferred, but part-time is not precluded. The position will be available as early as late summer, 1977.

Nominations and applications may be submitted at any time. Screening will begin immediately on receipt of application.

Professor Paul W. Gilles, Chairman
Advisory Committee on the Selection
of the AUA President
Argonne Universities Association
P. O. Box 307
Argonne, Illinois 60439

Nominations and applications from members of minority groups and women are especially solicited.

POSITIONS OPEN

DIRECTOR OF ANIMAL CARE

East Tennessee State University invites applications from, and nominations of, qualified individuals for the position of director of animal care of its developing College of Medicine which is being established in affiliation with the Mountain Home Veterans Administration Hospital and three community hospitals in eastern Tennessee. Letters of application or nomination for this position should include a curriculum vitae and three personal and professional references.

This individual must hold a D.V.M. degree, and should have a minimum of 3 to 5 years of experience in participating in the direction and management of animal care facilities in a major medical center, academic installation, or research institute. A joint appointment is possible as director of animal care and as an assistant or associate professor in the Department of Pathology.

Consideration of applicants will begin on 1 August 1977 and continue until the position is filled.

Send applications or nominations to:

Personnel Office
East Tennessee State University
P.O. Box 24070A
Johnson City, Tennessee 37601

East Tennessee State University offers Equal Opportunity in its employment, admissions, and educational activities and is an Affirmative Action Employer.

DIRECTOR OF DIABETES RESEARCH CENTER OF THE SCHOOL OF MEDICINE

The School of Medicine of the University of Pennsylvania seeks an internationally recognized authority in research directly related to diabetes mellitus, to serve as permanent director of an interdepartmental diabetes research center. The applicant must have the qualifications for a position as professor of biochemistry and biophysics and be willing to fulfill all of the academic responsibilities of that position. A demonstrated capacity for research administration is required. Interest and ability to develop new teaching programs for both medical students and graduate students in this area are essential. Applications should be addressed to:

Dr. Albert I. Winegrad, Cox Institute
Hospital of The University of Pennsylvania
Philadelphia, Pa. 19104
An Equal Opportunity Employer

DIRECTOR CLINICAL MICROBIOLOGY LABORATORY AND PHYSICIAN EPIDEMIOLOGIST

Department of Pathology, Case Western Reserve University and University Hospitals of Cleveland (*Equal Opportunity/Affirmative Action Employers*). **Requirements:** M.D. (M.D.-Ph.D. preferred); minimum of 4 years postdoctoral training in clinical microbiology and epidemiology; competence and experience in diagnostic microbiology and epidemiology; administrative and leadership ability to supervise 28 technical and professional personnel. **Responsibilities:** professional supervision of large, academically and service oriented clinical microbiology laboratory; hospital infections control officer; development and implementation of policies and programs for control of hospital infections; chairman of the Committee on Infections; teaching of medical, graduate, graduate medical, nursing, and medical technology students; microbiologic and/or epidemiologic research. Salary range \$35,000 to \$40,000; academic rank commensurate with qualifications. Curriculum vitae, bibliography, and names and addresses of three referees should be sent to: **John R. Carter, M.D., Director, Institute of Pathology, Case Western Reserve University, 2085 Adelbert Road, Cleveland, Ohio 44106.**

ORAL IMMUNOLOGIST, ASSISTANT PROFESSOR: Responsibilities are to: (i) contribute to departmental teaching effort toward dental students and graduate students, (ii) carry out an active research program, and (iii) participate in a Ph.D. graduate program. It is expected that the applicant will be able to maintain independent research and have the capability for successfully competing for financial support. Applicant should send curriculum vitae and the names and addresses of three referees to **Dr. David Platt, Department of Microbiology, School of Dental Medicine, University of Pittsburgh, Pittsburgh, Pa. 15261.** *The University of Pittsburgh is an Equal Opportunity/Affirmative Action Employer.*

POSITIONS OPEN

EXECUTIVE DIRECTOR, DEPARTMENT OF CHEMISTRY, CORNELL UNIVERSITY

Applications and nominations are invited for this position to start in September 1977. Applicants should have a scientific background (a Ph.D. in science, preferably chemistry) who has demonstrated administrative abilities and experience. The executive director is directly responsible for all nonacademic aspects of the department, including personnel and budgets.

Cornell University is an Equal Opportunity/Affirmative Action Employer. Applicants should send a résumé and have three letters of reference sent to: **Professor Michael E. Fisher, Chairman, Department of Chemistry, Cornell University, Ithaca, New York 14853.**

TWO INSTRUCTOR POSITIONS TO ASSOCIATE PROFESSORS

Positions available in the Department of Otorhinolaryngology, The University of Michigan Medical School. Must be eligible for or certified by the American Board of Otolaryngology. Must be competent in all phases of clinical otorhinolaryngology. Responsibilities will include patient care, medical student teaching, and house officer education. Will also be expected to engage in basic or clinical research. Code #600HO and 400FO. Send résumé to **Box 264, SCIENCE.**

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LECTURER POSITION

Position of biology laboratory lecturer open for 1 September 1977. Successful candidate will assume responsibility for teaching two quarters of undergraduate core laboratory and planning new innovative upper-class undergraduate laboratory. Candidates must have general training and a degree (M.S. or Ph.D.) in biological sciences. Teaching experience desirable. Salary to \$11,000. Send curriculum vitae, and names of three references to: **Neena B. Schwartz, Chairman, Department of Biological Sciences, Northwestern University, Evanston, Illinois 60201.**

Northwestern University is an Equal Opportunity Employer.

Applications are invited for a faculty position in **MOLECULAR BIOLOGY.** Potential candidates should have interest and experience in the area of regulation of expression of genetic information. Special attention will be given to individuals with background in restriction enzymes and recombinant DNA technology. Teaching duties will include participation in a course in molecular genetics to medical students. Level of appointment dependent upon previous experience. Correspondence including curriculum vitae and the names of three referees should be addressed to: **Professor Bruce H. Sells, Director, Molecular Biology, Faculty of Medicine, Memorial University of Newfoundland, St. John's, Newfoundland, Canada A1B 3V6.**

TWO TENURE-TRACK POSITIONS Effective 1 September 1977

PHYTOPLANKTON—NUTRIENT DYNAMICS ICHTHYOLOGY—FISH EGGS AND LARVAE CHESAPEAKE BIOLOGICAL LABORATORY UNIVERSITY OF MARYLAND

Ph.D. required, postdoctoral desired, must develop own research program.

Submit résumé, statement of research interests, and three letters of recommendation by 15 July to:

Chairman, Search Committee
Chesapeake Biological Laboratory
Solomons, Md. 20688

An Equal Opportunity/Affirmative Action Employer

POSTDOCTORAL RESEARCH ASSOCIATE position available immediately for recent Ph.D. in biology, biochemistry, physiology, pharmacology, or related disciplines, preferably with experience in some phase of lung physiology to carry out investigations in experimental animals on the pharmacokinetics of environmental toxicants labeled with short-lived isotopes. These studies may involve experimental modeling, biodistribution and metabolism, structure-activity relationships, and so forth. Some experience with animals is required and knowledge of lung biochemistry would be desirable. The candidate should send résumé, transcripts, and request three letters of recommendation be sent to: **The Chairman, Department of Chemistry, Brookhaven National Laboratory, Associated Universities, Inc., Upton, New York 11973.** *An Equal Opportunity Employer, M/F.*

POSITIONS OPEN

PHYSIOLOGIST—Indiana University School of Medicine—Evansville Center. Faculty position in physiology, assistant or associate professor, beginning on or before 1 September 1977. Postdoctoral experience necessary. Teach physiology to freshman medical students and establish a productive research program. In addition, interest in collaborative research with center faculty is desirable. Current interdisciplinary research includes basic studies on alcohol and other abused substances. Send curriculum vitae by 31 July 1977 to: **Dr. George D. Guthrie, Evansville Center for Medical Education, 8600 University Boulevard, Evansville, Ind. 47712.** *An Equal Opportunity/Affirmative Action Employer*

PLASMID GENETICIST

A position is available at the assistant professorship level for an individual to complement the research and teaching interests of existing faculty. The applicant should have extensive training in the molecular and microbiological aspects of the prokaryotes with specific research interest in episomes and plasmids.

Applicants should submit a curriculum vitae and the names of three or more individuals who might be contacted for testimonials. This position will be available after 1 July 1978.

Address correspondence to:

Dr. S. Dales, Chairman
Department of Bacteriology and Immunology
University of Western Ontario
London, Ontario, Canada N6A 5C1

TWO POSTDOCTORAL POSITIONS available immediately for research in viral oncology. Work will be part of a program comprising genome structure analysis and genetics of oncogenic primate herpesviruses and characterization of transformed cells. Preference will be given to graduates with research experience (i) in nucleic acid biochemistry (restriction enzymes and/or electron microscopy), and (ii) in viral immunology. Appointments at the assistant professor level possible within 2 years. Send curriculum vitae and references to: **Dr. B. Fleckenstein, Division of Microbiology, New England Regional Primate Research Center, Harvard Medical School, One Pine Hill Drive, Southborough, Mass. 01772.** *Harvard University is an Equal Opportunity/Affirmative Action Employer.*

POSTDOCTORAL POSITIONS

Positions are available in summer or fall 1977 for a **biochemist** and a **spectroscopist** to participate jointly in chiroptical spectroscopic studies in nitrogenase and other metalloproteins.

Send résumés and references to either:

Professor Charles E. McKenna
Chemical-Biological Development Laboratory
Department of Chemistry
University of Southern California
University Park
Los Angeles, California 90007

or

Professor Philip J. Stephens
Department of Chemistry
University of Southern California
University Park
Los Angeles, California 90007

POSTDOCTORAL POSITION: 1- or 2-year appointment starting 1 July 1977. Requires intensive training in microbial molecular genetics, enzyme and ribosome purification, analysis of phosphorylated nucleotide biosynthesis in vivo and in vitro, polyacrylamide gel techniques, and previously demonstrated productive research in the area of bacterial differentiation. Salary \$10,000 per year. Send curriculum vitae and list of three references to: **Dr. Leighton, Bacteriology, University of California, Berkeley, Calif. 94720.** *Women and minorities are encouraged to apply.*

POSTDOCTORAL POSITION: biophysical research of electron transport enzymes. Resonance raman spectroscopy, conformational investigations and studies of structural-functional relationships. Experience in spectroscopic techniques, and manipulation of biological systems essential. One year, \$10,000 to \$12,000 per year, possibly renewal. Available immediately. Send curriculum vitae and two letters of references to: **Dr. Yash P. Myer, Chemistry Department, State University of New York, Albany, N.Y. 12222.** *Equal Opportunity/Affirmative Action Employer.*

GROUP LEADER THEORETICAL CHEMISTRY

The Chemistry Division of the Argonne National Laboratory is currently seeking applicants who are recognized as leaders in the field of theoretical chemistry for the position of group leader of theoretical chemistry. The ANL Theoretical Chemistry Group currently consists of eight Ph.D. researchers and has long maintained a position of leadership in the area of computational chemistry. Current programs include accurate ab initio calculations on small and large molecular dynamics using the Laboratory's IBM 370/195 computer facility. In addition to heading the theoretical chemistry program, the individual filling this position will be expected to lead the laboratory's initiatives into new theoretical chemistry activities. Interested persons are encouraged to send their resumes to: Dr. John P. Unik, Box U, Associate Director, Chemistry Division, Argonne National Laboratory, 9700 South Cass Avenue, Argonne, Illinois 60439.

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UNIVERSITY OF ALBERTA DIRECTOR OF THE SURGICAL- MEDICAL RESEARCH INSTITUTE

This position will be available commencing 1 July 1978.

The Institute

- Provides excellent medical research facilities. These are primarily for the use of the clinicians in the Faculty of Medicine, their research associates and residents in the clinical departments, including facilities for the director and a small number of full-time medical research workers.

The Director

- Will set and maintain the standards of the Institute.
- Must be willing to facilitate, help, and stimulate research work within the Institute.
- Should pursue his/her own research activities so as to maintain his/her standing and reputation.
- Will be responsible for the day-to-day administration of the Institute.

The Qualifications

The director:

- Must have a Ph.D. and/or M.D.
- Should have the imagination, sympathy, and tact to cooperate and collaborate fully with other workers in the Institute.
- Should be an established investigator with an international reputation in a field which has clinical application.
- Should have administrative experience.

The Appointment and Salary

The successful applicant will be appointed as a full professor. Salary is negotiable.

The Application

Applications should be accompanied by a detailed curriculum vitae and the names of three referees, and should be sent to:

**The Chairman
Department of Surgery
11-105 Clinical Sciences Building
University of Alberta
Edmonton, Alberta T6G 2H1, Canada**

CHEMIST

Functions as the Civilian Chief Chemist of the Coast Guard Oil Identification Laboratory which will be initially located at the Coast Guard's Research and Development Center, Groton, Ct. for about 18 months, and then transferred to the Coast Guard Oceanographic Unit, Washington, DC. Must be willing to relocate to the Washington, DC area. Directs technicians in the analysis of oil spill samples using infrared and fluorescence spectroscopy as well as thin-layer and gas chromatographic techniques. Assists the operators of 41 mini-labs in their investigations of oil spill incidents. Serves as an expert witness in legal proceedings. Recommends areas of research to increase the effectiveness of spilled oil identification. B.S. degree in a chemical science or equivalent experience and education is required in addition to three years of appropriate experience. Career civil service position. Salary \$20,442 to \$26,571. Submit Standard Form 171, Personal Qualifications Statement to USCG Headquarters, Civilian Personnel Branch (G-CAS-5/81), Room 8112, Washington, DC. 20590. Equal opportunity employer.

Coagulation Research & Development Biochemist

Abbott Laboratories is seeking a highly qualified Ph.D. for a position involving research and development as well as project management.

Candidates having the following qualifications are invited to apply. A Ph.D. in biochemistry, with a strong background in enzyme purification, enzyme kinetics and immunology as they relate to coagulation, platelet methodology and vascular disease etiology. Active work experience in one of the above areas, with industry experience preferred, is highly desirable.

We will look for a strong track record of accomplishments in the above areas, as indicated by publications, patents, and independent research experience. The person we need will be highly motivated, capable of independent work, and possess the ability to manage a research project.

Abbott Laboratories is located in North Chicago, Illinois, midway between Chicago and Milwaukee, Wisconsin. Please send resume, publications, references and salary history in confidence to:

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Director *The Ciba Foundation*

The Foundation, established in 1947, exists to promote international co-operation in medical and chemical research. It does so mainly by organising symposia for the exchange of information and ideas among scientists and by editing and publishing the proceedings. It is a registered charity administered by the Director and a staff of 40 at Portland Place in London.

The appointment arises from the retirement in 1978 of Sir Gordon Wolstenholme, the present Director. It calls for wide international contacts and deep interest in scientific matters combined with the capacity to visualise future activities of the Foundation and appropriate topics for attention. A higher medical or scientific qualification is desirable; preferred age range 40 to 50.

The salary, which is pensionable and open to negotiation, will be about £15,000 p.a.

Those interested are invited to write briefly, in confidence, to W. J. O. Michie quoting ref. FBZ. 32504 or telephone him for further information on Glasgow (041) 221 7812.

This appointment is open to men and women.

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POSITIONS OPEN

POSTDOCTORAL POSITIONS open for physiological and biochemical studies of (i) adaptive changes in intestinal smooth muscle with N. Weisbrodt, Ph.D., and (ii) adaptations to long-term anesthesia and physical inactivity with F. Booth, Ph.D., Departments of Physiology and Anesthesiology. Send curriculum vitae and names of three references to: **Department of Physiology, University of Texas Medical School, P.O. Box 20708, Houston, Texas 77025.** An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION in nucleic acid biochemistry. New project on genetic transformation of cultured plant cells requires Ph.D. with experience in isolation and characterization, hybridization and biosynthesis of nucleic acids. Available July 1977. Send curriculum vitae and names of three references to: **Dr. Richard Essenberg, Department of Biochemistry, Oklahoma State University, Stillwater, Oklahoma 74074.** An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION. Available immediately (\$10,000 per year) for individuals with, preferably, prior experience in NMR spectroscopy. Research involves studying tRNA structure in solution and its interaction with other nucleic acids and proteins. Send curriculum vitae and names of three references to: **Dr. Paul Agris, University of Missouri-Columbia, Division of Biological Sciences, 106 Tucker Hall, Columbia, Missouri 65201.** Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL RESEARCH ASSOCIATESHIP available effective 1 August 1977. Closing date for the receipt of applications will be 1 month after this advertisement appears in *SCIENCE*. Candidates having experience in soil-plant relationships, with emphasis on soil water management in saline environments should send a complete résumé and names of three references to: **Dr. M. K. Wall, Box 8122 University Station, Grand Forks, North Dakota 58202.** An Equal Opportunity/Affirmative Action Employer.

The University of Washington School of Dentistry is seeking a **RESEARCH ASSOCIATE** effective immediately. Qualifications: Ph.D. degree in a biological field with some background in nonhuman primate growth and development. Experience working with nonhuman primate orofacial fetal materials would also be beneficial. Responsibilities include research on orofacial growth and development in primates with particular emphasis on the prenatal and neonatal periods. Will approach the basic problem with a variety of techniques and analysis, most importantly cephalometrics and histology. *The University of Washington is an Equal Opportunity and Affirmative Action Employer. Qualified women and minority group members are encouraged to apply.* Send curriculum vitae and supporting data to: **Dr. Laura Newell-Morris, Department of Orthodontics SM-46, School of Dentistry, University of Washington, Seattle, Washington 98195.**

RESPIRATORY PHYSIOLOGIST

Assistant adjunct professor, University of California, Irvine. Air Pollution Health Effects Laboratory. Position available immediately involving pulmonary research and use of pulmonary function tests to assess toxic injury in animals and man. Involves strong collaborative work in ongoing program in inhalation toxicology of aerosols and gases. Ph.D. or M.D., with research experience, required. Closing date for applications is 1 September 1977. *Applications from all qualified candidates are welcome; minorities and women are encouraged to apply.* Submit complete curriculum vitae and names of at least three references to: **Dr. T. Timothy Crocker, Community and Environmental Medicine, University of California, Irvine, Calif. 92717.**

SCIENCE AND TECHNOLOGY ASSOCIATE. Institute of Government, University of Georgia. Qualifications: preference given to person with Ph.D. or equivalent in biological or physical sciences with some experience in applying these skills to public policy questions. Salary: \$15,500 to \$17,000. Twelve-month appointment as of 1 August 1977. Person filling position will have primary responsibility for conducting scientific research and providing information to members of the Georgia General Assembly for the Institute's Legislative Research Division. Send application with complete résumé to: **Delmer D. Dunn, Director, Institute of Government, University of Georgia, Athens, Georgia 30602.** The University of Georgia is an Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

Appointment immediately available at the Rosenstiel School of Marine and Atmospheric Science, University of Miami, for a **RESEARCH ASSOCIATE** or **RESEARCH ASSISTANT PROFESSOR** with post-Ph.D. experience in biochemistry/physiology of marine algae. Candidates should have extensive knowledge of the isolation, determination, and genetic/biochemical regulation of marine algal organic substances and the determination of the chemical structure of toxins produced by marine organisms. Application, curriculum vitae, and names of three referees should be submitted to:

**Chairman, Search Committee (77/2)
Division of Biology and Living Resources
Rosenstiel School of Marine and Atmospheric Science
4600 Rickenbacker Causeway
Miami, Florida 33149**

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

SENIOR STAFF ENGINEER

The National Research Council is seeking an individual having at least a B.S. degree, or its equivalent, in aeronautical engineering with extensive experience and current practical working knowledge of interdisciplinary project management in advanced civil and military aeronautical programs, including: demonstrated capability in establishing workable long-range planning goals and objectives in civil and military aviation; acquaintance with in-house research, development, testing and evaluation (RDT & E) activities in NASA and the Air Force desirable; working knowledge of federal-academic contract/grant procedures in aerospace research programs; specific knowledge of the Nuclear Regulatory Commission's applied engineering and regulatory activities in the handling and shipment of radioactive materials by air; extensive demonstrable writing experience in the preparation of formal, policy-level reports involving advanced joint civilian-military research and exploratory development efforts; extensive prior working experience with senior engineers and scientists in high-level committee operations is desirable. Top security clearance required. Send résumé, with employment and salary history, to: **Executive Director, Aeronautics and Space Engineering Board, NRC JH 738, 2101 Constitution Avenue, NW, Washington, D.C. 20418.** An Equal Opportunity Employer.

UNDERGRADUATE TEACHING POSITION in anatomy and physiology available beginning 1 September 1977. Ph.D. in physiology or related area (anatomy, developmental biology) required. Must have high motivation for teaching; experience desirable; limited facilities for research available. Responsibilities include instructing students of health sciences and participation in the general biology program. Application deadline: 15 July 1977. Send résumés to: **Dr. Halit M. Kosar, Dean, Science and Engineering Division, Gannon College, Erie, Pa. 16501.** Gannon College is an Equal Opportunity/Affirmative Action Employer.

TECHNICAL COMMUNICATIONS HEAD FOR EDITORIAL SECTION

Major university environmental medical laboratory; scientific or technical publication background; supervisory experience; demonstrated proficiency in English; college graduate. Send résumé and references to: **Professor C. J. Lambertsen, Director, Institute for Environmental Medicine, University of Pennsylvania Medical Center, Philadelphia, Pa. 19104.** An Equal Opportunity Employer.

FELLOWSHIPS

POSTDOCTORAL FELLOWSHIP for 1 year in the area of theoretical atomic physics available; involves basic research in theoretical studies on multiply ionized atoms and the collision theory. Stipend of \$950 per month. Interested persons are requested to send their curriculum vitae, list of publications, reprints, and three reference letters to: **Professor Chander P. Bhalla, Kansas State University, Department of Physics, Manhattan, Kansas 66506.** Applications must be received by 15 July 1977. *Kansas State University is an Affirmative Action/Equal Opportunity Employer.*

FELLOWSHIPS

POSTDOCTORAL FELLOWSHIPS HUMAN GENETICS

Applications for NIH Training Program in Medical Genetics Research (GM-07511) starting July 1978, are being accepted. Individuals should be United States citizens or permanent residents.

Also, applications for individual research training opportunities are now available for persons with immunologic background to study cell surface antigens on somatic cell hybrids, and with biochemistry background to characterize biochemical variations in human cells and populations.

Send résumé and two letters of support to:

**W. J. Mellman, Director
Human Genetics Center
University of Pennsylvania School of Medicine
Philadelphia, Pa. 19104**

POSTDOCTORAL FELLOWSHIP

Applications are invited for a NRSA postdoctoral fellowship in association with a multidisciplinary training program entitled, "Developmental Basis of Infant Morbidity and Mortality." This program is centered in the Department of Anatomy and involves participating faculty from the Departments of Obstetrics and Gynecology, Pediatrics, and the Meyer Children's Rehabilitation Institute. Applicants must be United States citizens or permanent residents holding a Ph.D. and/or M.D. degree or equivalent, with research interests in applied human developmental anatomy, for example, birth defects, reproductive endocrinology, neuroendocrinology, pediatric and developmental immunology, hematology, oncology, cardiology, and so forth. Please submit curriculum vitae and three letters of reference to **W. K. Metcalf, M.D., Chairman, Department of Anatomy, University of Nebraska Medical Center, Omaha, Nebraska 68105** by 15 July 1977. An Equal Opportunity/Affirmative Action Employer.

TRAINING PROGRAM

POSTDOCTORAL TRAINING PROGRAM—The Institute for Cancer Research invites applications for its program of postdoctoral traineeships in basic sciences relevant to cancer research. These appointments are open to United States citizens, United States nationals, or persons who have been lawfully admitted to the United States for permanent residence and have in their possession a permanent visa at the time of appointment. An applicant must hold a Ph.D. or its equivalent in a field of training like physics, chemistry, biochemistry, immunology, microbiology, virology, pathology, genetics, molecular biology, developmental biology, or cellular biology and must have had no more than 3 years of postdoctoral experience. Appointments will be for 1 year, renewable for a second year. Stipends are from \$10,000 per year plus fringe benefits and certain travel and relocation allowances. Further information and application forms can be obtained from: **Dr. Thomas F. Anderson, Coordinator, Postdoctoral Training Program, The Institute for Cancer Research, 7701 Burholme Avenue, Philadelphia, Pennsylvania 19111.** The Institute for Cancer Research is an Equal Opportunity/Affirmative Action Employer.

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