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ASSOCIATE PROFESSOR/RADIOECOLOGIST

Faculty position in Radiology and Radiation Biology starting 1 September 1974, Position will require extensive knowledge of environmental radiography, radiobiology, radiocytology, and biological effects of ionizing radiation. Knowledge of basic principles of radiological physics, chemistry, and biology is also necessary. Research interests and experience must include effects of radiation on ecosystems, systems analysis, and radiological control of environmental elements in ecosystems. Reply by 20 August 1974, to: Dr. Max R. Zelle, Department of Radiology and Radiation Biology, Colorado State University, Fort Collins, Colorado 80523. Equal opportunity employer.

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CELL BIONICIST

Postdoctoral position for a recent Ph.D. to conduct independent research in tumor virology, immunology, and biochemistry. Submit curriculum vitae, references, and reprints to Box 307, SCIENCE

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At The University of Pennsylvania, Philadelphia is seeking candidates for the position of Professor of Metallurgy and Materials Science and the position is open to M.D.s. with a Ph.D. in an area related to material science. Send application to: Dr. J. B. H. Nutting, Department of Metallurgy and Materials Science, The University of Pennsylvania, Philadelphia, PA. 19104. An Equal Opportunity Affirmative Action Employer

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CHAIRMAN, DIVISION OF TUMOR IMMUNOLOGY

St. Jude Children's Research Hospital

St. Jude Children's Research Hospital is seeking a distinguished scientist to organize and chair a division of tumor immunology. Applicants are invited from persons with demonstrated interest and expertise in basic immunology. Letters of application, with curriculum vitae, should be sent to: Dr. R. G. Webster, Chairman, Search Committee, St. Jude Children's Research Hospital, P.O. Box 318, Memphis, Tennessee, 38101. An Equal Opportunity Employer/ Male and Female

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National professional health association is looking for an individual with demonstrated skills and experience in environmental epidemiology, with an emphasis in environmental epidemiology, with an emphasis on environmental health hazards within the United States. M.D. or Ph.D in health science required. Salary $25,000 per year, depending on experience. Those interested should contact the following for further information.


EPIDEMIOLOGIST—Mount Sinai School of Nursing, Department of Community Medicine, is seeking one epidemiologist with experience both in research and education in community medicine. M.D. required and curriculum vitae. Send application to: Kurt W. Deuschle, M.D., Chairman, Department of Community Medicine, Mount Sinai School of Nursing, 100 East 70th Avenue and 100 Street, New York, N.Y. 10029. An equal opportunity/affirmative action employer.

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Office of Environmental Sciences, U.S. Environmental Protection Agency, is seeking a research assistant for Chief, Epidemiology Branch, National Exposure Research Division. Ph.D. in epidemiology or biostatistics and at least 3 years of related experience. Responsibilities include planning, managing, and evaluating research for the collection and analysis of data on health indicators in populations exposed to pollutants. Salary from $28,500. For further information, contact (202) 314-6260.

FACTORY POSITION

It is anticipated that a faculty position will be available in the fall of 1974. Applicants must have experience teaching in a liberal arts environment.

Send curriculum vitae and the names of three referees to: Chairman, Department of Human Ecology, University of California, Davis, California 95616. An Equal Opportunity/Affirmative Action Employer.

FACULTY POSITION

Department of Poultry Science seeks faculty member with interest in poultry management research in a well-equipped area (for example, animal physiology) is required. Position available to Head, Department of Poultry Science, The Pennsylvania State University, 213 Animal Industries Building, University Park, Pa. 16802. An equal opportunity employer.

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WESTERN CANADIAN VETERINARY MEDICINE

Position: Professor and Head of Department of Veterinary Pathology.

Professional Qualifications: D.V.M. and Ph.D. or equivalent, for example, Diplomate ACVP an asset.

Duties: Responsible to the dean for the work of the department. General supervision of the environmental health hazards within the United States. M.D. or Ph.D. in health science required. Salary $25,000 per year, depending on experience. Those interested should contact the following for further information:


UNIVERSITY OF SASKATCHEWAN

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Applications are invited from Dean, Western College of Veterinary Medicine, University of Saskatchewan, Saskatoon, Saskatchewan, S7N 0W6, Canada.
At the LAWRENCE LIVERMORE LABORATORY in a rural community near San Francisco, the Biophysical Cytology Program is expanding its diagnostic and quantitative cellular studies of genetic, cancer- genetic and reproductive responses to environmental toxicity. Exciting opportunities are open for the following key scientists:

**BIOPHYSICIST/REPRODUCTIVE BIOLOGIST** / Responsibilities include collaborative, highly interactive research on development and application of biophysical and cytological methods for monitoring and studying mechanisms of action of environmental agents on male germinal tissues. Ph.D. or equivalent in biology or biophysics, plus published evidence of original research in mammalian spermatogenesis, sperm physiology, quantitation of cell components and effects of radiation and other environmental mutagens.

**CELL BIOLOGIST/BIOCHEMIST** / Responsibilities include developing biochemical and biophysical assays to study mutants, culturing cells, designing and executing experiments, operating and maintaining diverse equipment, and organizing and ensuring smooth functioning of laboratory activities. M.S. or equivalent with molecular biology/biochemistry background and experience in tissue culture.

**BIOCHEMIST/CELL BIOLOGIST** / Established scientist to lead a small group effort on the chemistry and biology of chromatin. Particular emphasis is given to the roles of heterochromatin and repetitive-sequence DNA in mechanisms of mutagenesis, and chromosome structure and aberrations. An extraordinary mammalian system is available for study, others to be developed. Background should include Ph.D. and/or M.D. degree and experience in several of the following areas: research on nuclear proteins or chromatin, normal biochemical and physicochemical methodology, cell culture techniques, possible mutagenesis detection and measurement, cytophotometry.

**CYTOENGINEER** / Will be responsible for all phases of preparation and interpretation of cytological specimens, both as received directly from the clinic and after special processing in the laboratory. American Society of Clinical Pathology certification in CYTOENGINEERING with at least two years' post-certification experience in a clinical cytopathology laboratory.

**CELL BIOLOGIST** / A senior position involving the supervision and coordination of a research team responsible for cytochemical processing and analysis. Candidates with cellular-vaginal-traductive, Ph.D. or M.D. degree and experience in several of the following areas: somatic cell mutations and markers; cell culture, immunologic, and enzymatic techniques, fluorescence methods, flow systems, protein chemistry, cytophotometry, mutagenesis, animal biopsy and dissection.

**BIOPHYSICIST/BIOMEDICAL ENGINEER** / A senior position involving supervision of others, with responsibility for analysis of cervical-vaginal cells by flow systems methods, instrumentation design, and data analysis by computer methods. Ph.D. (or M.S.) with broad general physical science background and experience with biomedical applications.

**CYTOCHEMIST/ORGANIC CHEMIST** / Responsibility is chemistry of cell staining emphasizing quantitative fluorescent methods for flow systems applications, including enzyme, protein, membrane, immunofluorescent, and nucleic acid staining. Ph.D. with experience in cytochemistry and organic chemistry synthesis and proven ability to interact with other scientists.

**BIOLOGIST/CELL BIOLOGIST** / Involves the application of instruments for biophysical cytology to the investigation of chromatin structure and other phenomena. Requires good collaboration with other investigators. Ph.D. with broad experience in optical microscopy and in quantitative cytochemistry. Candidates for these positions should forward a curriculum vitae and bibliography to:

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**BAMFIELD MARINE STATION**

**POSITION OF DIRECTOR**

The Management Council of the Western Canadian Universities Marine Biological Society (WCUMBS) invites applications for the post of Director of its Marine Laboratory at Bamfield on the west coast of Vancouver Island, British Columbia, Canada. The position will be full-time but the incumbent will probably be associated in an honorary or part-time capacity with one of the member Universities of WCUMBS (Alberta, British Columbia, Manitoba, Saskatchewan, or Victoria). Salary will be negotiable.

Applicants should supply a brief biography including degrees, attainments and experience, a list of publications, the names of 3 referees and a statement of research interests. Views on the functions of a new marine laboratory serving a group of universities would be helpful to the Selection Committee.

Applications close on 31 August 1974 and should be sent to Dr. D. M. Ross, President, WCUMBS, c/o Faculty of Science, University of Alberta, Edmonton, Alberta, T6G 2E9, Canada, who will supply further particulars about the position, the Station and the Society upon request.

Title: Assistant Professor
Description: Special Assistant Professorship for reproductive physiologist with Ph.D. with experience in blood flow measurement, radioimmunoassay, neuroendocrinology, bioassays and mechanism of action of hormones. Experience in close collaboration with other investigators. Ph.D. with postdoctoral experience desired. Resume, reprints of publications, and three names of references should be sent no later than 1 July 1974 to Dr. Lloyd C. Faulkner, Department of Physiology and Biophysics, Colorado State University, Fort Collins, Colo. 80521.

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THE UCLA NEUROPSYCHIATRIC INSTITUTE conducts multidisciplinary educational and scientific programs related to neurological and psychiatric illness and mental retardation. Occasional openings are available for advanced personnel in biological, behavioral and social sciences, and health-related professions. Equal opportunity employer with vigorous affirmative action program. Applications from women and members of minority groups receive top priority.

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