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PERSONNEL PLACEMENT

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POSITIONS WANTED

Biochemist/Cell Biologist, Ph.D. Flow cytometry, cell culture, intermediary metabolism, and enzymology experience. Pulmonary biochemical background. Good publication and funding record. Experience in teaching in undergraduate, graduate, and medical students. Seeks long-term position in academia or industry in Pacific Northwest. Box 99, SCIENCE.


M.D., early retired (age 55) from drug industry seeks part-time or projects; excellent at data interpretation and medical writing for NDAs, etc. Telephone: 215-794-5581 or Box 86, SCIENCE.

Ph.D. Several years of experience in RIA, GC, HPLC, immunoassay development. Over 10 years in reproductive endocrinology research. Last 5 years involved in ANF research. Excellent references and publications. Seek academic, industrial, or clinical research position. Box 95, SCIENCE.

Pharmacokinetic, M.A., Ph.D., M.D., 3 years of postdoctoral research, seven publications, experienced in drug delivery/testing in animals, animal surgery, working knowledge in TLC, HPLC, radioimmunoassay. Protein characterization (including sequencing) desires industrial position; will relocate and travel. Box 108, SCIENCE.

Teacher/Researcher, Ph.D. Available for teaching position (semester, year, sabbatical replacement). Experienced in lecture and small group teaching; medical, graduate and some undergraduate courses. Primary areas: immunology, virology, microbiology; secondary areas: molecular, cellular, general biology. Could assist part-time in many aspects of immunology, virology. Box 107, SCIENCE.

Toxicologist, Ph.D., Board-certified with 10-plus years of industrial experience seeks position in California: chemical, consumer product, pharmaceutical, and hazardous waste site experience. Box 71, SCIENCE.

ASSISTANT PROFESSOR DEPARTMENT OF BIOCHEMISTRY UNIVERSITY OF LOUISVILLE SCHOOL OF MEDICINE

Candidates for assistant professor (tenure-track) must hold a Ph.D. or equivalent degree, have at least 2 years of postdoctoral training, and demonstrate competence in research and teaching. Individuals working in the areas of protein chemistry (structure/function), molecular endocrinology, and/or associated research in extracellular matrix are encouraged to apply. The department has core facilities for the synthesis and sequencing of polynucleotides and peptides. Applications should consist of a letter of interest, a curriculum vitae, a list of references from four persons familiar with the candidate’s qualifications, and a brief statement of research interests to: Search Committee, Department of Biochemistry, University of Louisville School of Medicine, Health Sciences Center, Louisville, KY 40292. Applications will be accepted up to 1 October 1989 or until a suitable candidate is identified. The University of Louisville is an Affirmative Action/Equal Opportunity Employer.

ASSOCIATE DIRECTOR

Biotechnology Facility positions available immediately at the Harvard-Danforth Center for Teaching and Learning. Job involves working with graduate students and faculty to improve teaching, develop curricula and do research in the teaching and learning of science, etc. Ph.D. in biology preferred. Previous teaching experience required. Salary commensurate with experience, starting at $20,000. Individuals should submit curriculum vitae, representative reprints, brief statement of teaching philosophy, and names and addresses of referees familiar with teaching experience to: Search Committee, Science Center 317, Harvard University, One Oxford Street, Cambridge, MA 02138. For information on the position contact: Barbara Hall at 617-495-4869. An Affirmative Action/Equal Opportunity Employer.

BIOLOGICAL SCIENCES

The Philadelphia College of Pharmacy and Science invites applications for tenured-track positions at the assistant/associate professor level. These positions are effective 15 August 1989 but can be filled at least by 15 August 1990.

Microbiologist—The successful candidate will be expected to teach introductory microbiology, advanced microbiology, applied (industrial) microbiology, and will have the opportunity to teach an elective course in molecular or genetic level.

Molecular Geneticist—The successful candidate will participate in a team-taught freshman biology program, teach a dual-level course in classical and molecular genetics, and will have the opportunity to teach an elective course in area of expertise; all at the undergraduate level.

It is anticipated that the elective course for one of the successful candidates will be an undergraduate course in virology.

The successful candidates for both positions will be expected to develop and maintain a research program in which undergraduates can participate. Individuals with strong interests in extracellular matrix/endothelial cell applications are encouraged to apply. To be considered for either position, the applicant must have a strong commitment to undergraduate education and can expect to advise biology and microbiology majors and interview prospective students.

Applications should consist of the following: (i) a letter of application expressing the appropriate criteria (biochemist or molecular geneticist), (ii) a complete curriculum vitae, (iii) names, addresses, and telephone numbers of three references. All applications should be submitted as soon as possible to: Dr. Gilbert L. Zink, Chairman, Department of Biological Sciences, Philadelphia College of Pharmacy and Science, 64th and Spruce Streets, Philadelphia, PA 19104. An Equal Opportunity/Affirmative Action Employer.

PERSONNEL PLACEMENT


14 JULY 1989 211
HARVARD UNIVERSITY
ASSISTANT PROFESSOR
CELLULAR AND DEVELOPMENTAL BIOLOGY (CDB)

The Department of Cellular and Developmental Biology intends to make an appointment at the assistant professor level in the fall of 1989. The department covers a broad range of topics in cellular biology, developmental biology, neurobiology and molecular genetics. We are seeking outstanding candidates in any of these fields. Applicants should be particularly interested in making an appointment in the areas of:

- vertebrate development
- cell biology (especially protein sorting)
- developmental genetics

However, we will consider exceptional applicants in other fields as well. We strongly encourage applications from women and minority groups. Applications should include curriculum vitae, a statement of present and future research plans. Complete applications and three letters of recommendation, solicited by the applicant, should be received no later than 1 October 1989.

CDB Search Committee
Cellular and Developmental Biology
Harvard University
16 Divinity Avenue
Cambridge, MA 02138
Telephone: 415-496-2337

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ASSISTANT OR ASSOCIATE PROFESSOR

Colorado State University invites applications for a tenure-track position in reproductive physiology/cellular biology. Preference will be given to individuals whose research complements ongoing programs and involves physiological changes in gametes, preservation of spermatocoe, in vitro maturation of oocytes, in vitro fertilization, cryopreservation and/or genetic engineering of embryos. Appropriate start-up funds and some intramural research support are available. The position will be available as early as Fall 1990. A letter of application including a detailed statement of interests and proposed direction of future research, curriculum vitae, transcripts, and names, addresses, and telephone numbers of four individuals to provide references should be sent to: Dr. T. M. Nett, Search Committee Chairman, Department of Physiology, Colorado State University, Fort Collins, CO 80523. Applications will be accepted until 18 September 1989. Salary is negotiable and will be commensurate with experience. Colorado State University is an Equal Opportunity/Affirmative Action Employer.

DIVISION DIRECTOR/ POLLUTION PREVENTION

Center For Environmental Management

The Tufts University Center for Environmental Management is seeking qualified applicants for the position of Research Division Director for Pollution Prevention. Within the Division, the Director will have primary responsibility to manage all phases of research, audit pollutant quantities and identify environmental research needs of government, industry, and society. The Division Director will participate in overall Center planning, development and management.

Major responsibilities include managing division research projects conducted by Center Staff and Tufts faculty; maintaining expertise in the field by performing research and by publishing papers; and participating in curriculum development and teaching in an appropriate department at Tufts. Requires demonstrated skills and experience in policy making; develops and manages research; applies research experience to curriculum development and teaching; communicating with peers in government, industry, and academia; and doctore in a relevant field of engineering or science as environment.

The Center is a multidisciplinary research, education, and policy group seeking long-term solutions to national and international environmental problems involving hazardous materials, solid waste and toxic substances.


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Applications are invited for appointment to a Chair in the Department of Geology. Applicants should have a substantial research record in some area or areas of the earth sciences. The research may be in any area of the earth sciences, candidates should possess a broad interest in geology, and be able to communicate effectively across different fields. Broad fields of current research interest include: earth formation and tectonics; fluid flow and mineralization; marine sedimentology and geophysics; late Palaeozoic and Mesozoic stratigraphy; palaeoecology; and geochemistry; regional geology of New Zealand and Antarctica.

Salary: Professional salaries are paid within a range, currently NZ$75,000 to NZ$95,000 per annum.

Applications quoting reference A89/26 close with: The Registrar, P.O. Box 56, Dunedin, New Zealand by 30 September 1989. Further details are available from: The Registrar, or from Appointments (36554), Association of Commonwealth Universities, 36 Gordon Street, London WC1H 0EP.

Equal Opportunity in Employment is University policy.

CHAIRPERSON

CHEMISTRY AND BIOCHEMISTRY

The Department of Chemistry and Biochemistry of the University of Maryland at College Park is seeking an outstanding candidate for a tenure-track position at the Assistant or Associate Professor rank in the area of Organic Chemistry. Exceptional candidates with particular experience in an area of specialization related to biochemistry or organic chemistry will be given strong consideration. The University of Maryland is a medium size research institution with a large Ph. D. program. Exceptional candidates should actively collaborate with scientists at the NIH, Naval Research Laboratory, National Institute of Standards and Technology, USDA, and the University's Centers of Biotechnology. Applicants should have a Ph.D. and have demonstrated outstanding abilities in research and teaching in chemistry or biochemistry. Evidence of administrative ability is desirable. Appointment at both the Assistant and Associate Professor level, with the earliest starting date of 1 January 1990. Letters of application should include curriculum vitae and the names, addresses, and telephone numbers of four references. Send by 1 October 1989 to: Dr. Shain-dow Kung, Chair of the Search Committee, Department for Agricultural Biotechnology, 1306 H. J. Patterson Hall, University of Maryland, College Park, MD 20742. Telephone: 301-454-6056. An Equal Opportunity/Affirmative Action Employer.

DIRECTOR, PEDIATRIC HEMATOLOGY/ ONCOLOGY BIOLOGY

Applications are invited for the position of Director of Pediatric Hematology/Oncology Research at Schneider Children's Hospital of Long Island Jewish Medical Center, the Long Island Jewish Medical Center, and the State University of New York at Stony Brook. Responsibilities include conducting independent research in any area of pediatric hematology or oncology; training fellows; interacting with clinical faculty in design and execution of clinical research protocols. Requirements: M.D./Ph.D. plus postdoctoral experience; demonstrated expertise in cellular or molecular biology; publications; eligibility for appointment as assistant or associate professor at the Albert Einstein College of Medicine. Position available immediately, salary negotiable. Reply with current vitals and bibliography to: Robert Bienkowski, Ph.D. Associate Director, Pediatric Research Center, Long Island Jewish Medical Center, New Hyde Park, NY 11042. An Equal Opportunity/Affirmative Action Employer.

The College of Dentistry, University of Iowa, is presently conducting a search to fill a full-time FACULTY POSITION in the Dows Institute for Dental Research. Applications are invited for the position of Professor of Oral and Soft Tissue Research Program. The position will be available 1 July 1989; screening will begin immediately. Applicants must have a Ph.D. and experience in research in cell culture; expertise in biochemistry/molecular biology is desirable. Academic rank and salary will be commensurate with qualifications. Applications consisting of a Curriculum Vitae, copies of two recent publications, and names and addresses of three references. Send application to: Dr. C. A. Squier, Professor and Assistant Dean for Research and Director of Dows Institute, Department of Biology and Biophysics, College of Dentistry, University of Iowa, Iowa City, IA 52242. The University of Iowa is an Equal Opportunity/Affirmative Action Employer.

COPPENT NEUROPSYCHOLOGIST—The Department of Psychology of The University of Illinois at Urbana-Champaign invites applications for a tenure- track faculty position in cognitive neuropsychology, the study of the effects of brain damage on the mind and on behavior. The position will be at the assistant professor level, but outstanding candidates at all levels are encouraged to apply. Salary is commensurate with experience and qualifications. Women and minorities are particularly encouraged to apply. Applicants (curriculum vitae, representative reprints, and a statement of research interests) and three letters of recommendation should be sent to: William T. Greenough, Chair, Cognitive Neuropsychology Search Committee, Department of Psychology, 603 East Daniel, Champaign, IL 61820. The Review date is 15 August 1989. We may interview some candidates before the application deadline of 15 August 1989, but all applications received by that date will receive full consideration. The University of Illinois is an Affirmative Action/Equal Opportunity Employer.

CYTOTOPOLOGY FELLOWSHIP UNIversity OF PITTsburgh MAGEE WOMENS HOSPITAL

A 1-year postdoctoral fellowship is available for con- ducting the screening of approximately 5,000 specimens annually including 3,500 non-gynecologic and 2,100 non-gynecologic cases. Duties will include signing ty- pical and atypical specimens. Applicants must have a Ph.D. with cytologic background. Rotation to Presbyterian/Hamilton Hospital to process approximately 5,000 specimens annually including 4,500 non-gynecologic with a large volume of needle aspirations. Other duties will include active participation in all aspects of cytopathology including administrative responsibilities such as teaching residents and cytotechnologists, and participation in the areas of flow cytometry and immunoperoxidase, as well as molecular biology with DNA probing, are available. Training courses and medical education in the care of the patient will be conducted in the University of Pittsburgh School of Medicine. Women candidates are encouraged to apply. Send curriculum vitae to: Dr. John E. Narter, c/o Anna Roman-Koller, University of Pittsburgh School of Medicine, Department of Pathology, 776 Scaife Hall, Pittsburgh, PA 15261. The University of Pittsburgh is an Equal Opportunity/Affirmative Action Employer.

FACULTY POSITION IN CELL BIOLOGY. Tenure-track assistant/associate professor position available June 1990 for applicants with a cell or molecular approach to mammalian biology. Research interests in the department include cellular, molecular, endocrinology, developmental biology, and cellular neurobiology. Teaching responsibility in cell biology and related courses is expected. Send curriculum vitae, copies of three letters of reference to: Reid L. Norman, Cell Biology and Anatomy, Texas Tech University Health Sciences Center, Lubbock, TX 79433-4742. Texas Tech University is an Equal Opportunity/Affirmative Action Employer.

FACULTY POSITION, MICROBIAL PATHOGENESIS. Applications are invited for a tenure-track appointment at the assistant or associate professor level in the Department of Microbiology and Immunology, School of Medicine, University of California, Los Angeles (UCLA) School of Medicine. Applicants should have a Ph.D. (or equivalent degree) and research interest in the pathogenesis of infectious agents. Experience in computerized data analysis and a background in a molecular area will be required. The candidate selected will participate in a program in molecular pathogenesis currently supported by an NIH training grant, in addition to teaching medical and graduate students. Women and minorities will be commensurate with the candidate's qualifications. Applications should be submitted by 1 November 1989, and should be com- posed of a letter of application, a curriculum vitae, copies of two recent publications, and names and addresses of references. Send all materials to: Dr. William Ward, Chairman of the Microbiology Search Committee, Department of Microbiology and Immunology, School of Medicine, University of California, Los Angeles, CA 90024-1747. UCLA is an Affirmative Action and Equal Opportunity Employer.
POSTDOCTORAL RESEARCH ASSOCIATE POSITIONS

Fourteen RESEARCH ASSOCIATE appointments are available for conducting research at this large, state-of-the-art, multidisciplinary research facility in suburban Philadelphia. Areas of research are:

CHEM.ENG./CHEM./FOOD SCIENTIST (GS11/12)
To study shear as means to modify milk protein functionality. Experience in food processing operations and food proteins. (Contact V. Holsinger)

ANALYTICAL CHEMIST/FOOD SCIENTIST (GS11)
To develop methodology for non-volatile nitrosamines and amines in cured meats. Experience in analytical chemistry or food technology. (Contact W. Fiddler)

MICROBIOLOGIST/PLANT PATHOLOGIST (GS11)
To study use of bacterial enzymes to enhance uptake of herbicides & fungicides. Experience in enzymology or protein chemistry. (Contact R. Moreau)

PLANT PHYSIOLOGIST/PATHOLOGIST (GS11)
To study pathogen recognition and resistance initiation. Experience in enzymology or regulatory biochemistry. (Contact R. Moreau)

RESEARCH CHEMIST (GS11)
To study soil/clay and ground water quality using NMR and other spectroscopic methods. (Contact W. Gerasimowicz)

RESEARCH CHEMIST (GS11/12)
To identify plant exudate components affecting mycorrhizae. Experience in isolations of biologically active compounds and identification by NMR spectroscopy. (Contact P. Pfeffer)

RESEARCH CHEMIST (GS11)
To study enzymes regulating lipid composition of milk. Experience in biochemistry or cell biology. (Contact H. Farrell)

PLANT/PHYSICAL SCIENTIST (GS11)
To study pectin and other plant cell wall polysaccharides. Experience in physical chemistry of polysaccharides. (Contact M. Fishman)

CHEMIST/FOOD SCIENTIST (GS11)
To study microemulsion formation in foods. Experience in light scattering and surface tensiometry a plus. (Contact D. Cornell)

MICROBIOLOGIST (GS11/12)
To study Bdellovibrio as a means to control Salmonella. Experience in food microbiology and technology. (Contact R. Whiting)

MICROBIOLOGIST (GS11/12)
To develop rapid methods for detecting hemorrhagic E. coli in foods. Experience with pathogens and immunology. (Contact R. Buchanan)

BIOPHYSICIST (GS11/12)
To study changes in collagen structure during hide processing. Experience in X-ray diffraction methods. (Contact M. Komanowsky)

PHYSICAL CHEMIST (GS11/12)
To study binding of self-organizing macromolecular lipids to collagen surfaces. (Contact P. Kronick)

RESEARCH CHEMIST (GS11/12)
To study effects of ionizing radiation on phospholipids and cholesterol. Experience in HPLC and liposome techniques. (Contact G. Maerker)

Appointments are for two years. The salaries associated with GS 11/12 grades are $28,500 – $34,580 per year. Candidates must have obtained a relevant Ph.D., preferably within the last three years. Applicants should send resumes, which include the names and addresses of three references, to the appropriate contact at the above address by August 1, 1989. Further directions for application will be provided by the contact. For information, call (215) 233-6400.

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MOLECULAR GENETICIST

The Animal Industry Discovery and Biotechnology Department at American Cyanamid’s Agricultural Research Division has an immediate opening for a Research Biologist in their molecular genetics group. The successful candidate will join a group of scientists who are using model genetic systems to study problems in receptor biology, infectious disease and animal physiology. The overall objective of this program is to apply contemporary molecular genetic approaches to the discovery of novel agricultural products. In pursuing this goal, the investigator will be expected to develop an independent research program and to publish research findings in both refereed journals and the patent literature. Collaborations with academic research groups are desired and will be encouraged.

Candidates should have a Ph.D. degree and post-doctoral experience in the molecular genetics of a microbial organism (e.g., S. cerevisiae, E. coli, B. subtilis, C. elegans). Experience with classical genetics as well as molecular biology is required. In addition, a background in one or more of the following areas would be highly desirable: receptor biology/biochemistry/pharmacology, natural products, assay development, mammalian physiology, infectious disease.

American Cyanamid offers a competitive compensation and benefits package. We are ideally located near Princeton, one hour from New York City and Philadelphia. For prompt and confidential consideration, forward your resume to the Employment Office, Agricultural Research Division, PO Box 400, Princeton, NJ 08540.

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THE BOC GROUP
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MANAGER
GRADUATE STUDIES PROGRAM

The Missouri Botanical Garden, a premier research institution in systematic botany and tropical exploration and conservation, seeks a qualified and highly motivated candidate to manage and develop its graduate program in plant systematics. The primary functions include coordinating and stimulating the efforts of the Garden and a consortium of universities in St. Louis in recruitment, selection, and training of students in systematic botany; developing and teaching courses in modern plant systematics; and pursuing broader funding for the graduate program.

Qualified applicants will possess a Ph.D. in biology with emphasis in systematic botany and two or more years postdoctoral experience, as well as a strong interest in graduate teaching. Experience in supervision or oversight of a graduate program, fund-raising experience, and fluency in Spanish language are strengths for the position. The successful candidate will exhibit outstanding interpersonal and organizational skills. The candidate will have the opportunity to maintain a research program, but first priority will be direction of the graduate program.

The Missouri Botanical Garden offers an exceptionally stimulating work environment and offers competitive wages and benefits. We are aggressively seeking candidates although we will continue to accept applications until the position is filled. Interested individuals are encouraged to submit their curriculum vitae and three letters of reference to:

Director, Human Resources
Missouri Botanical Garden
P.O. Box 299
St. Louis, Missouri 63106

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DIRECTOR
U.S. - CHINA ACADEMIC PROGRAMS

The National Academy of Sciences is seeking a Director for its COMMITTEE ON SCHOLARLY COMMUNICATION WITH THE PEOPLE'S REPUBLIC OF CHINA (CSCPRC). Responsibilities include working on science, engineering, and interdisciplinary programs and U.S.-China academic relations policy issues. Other duties include administering programs in the social sciences and humanities for the CSCPRC. Sponsors for the Social Science Research Council and the American Council Learned Societies. A Ph.D. or equivalent and background in science, engineering or public policy with China and a minimum of 6-10 years academic or other work-related experience is required. Understanding of Chinese culture, preferably including some facility in Chinese language, and substantial previous administrative (including fundraising) experience also required. The CSCPRC also welcomes applications from senior scientists and scholar-administrators interested in 1 to 3-year appointments. We offer a salary based on academic rank and experience, and a highly competitive benefit package. Please send résumé in confidence to: OIA/NA 450 (VR), 2101 Constitution Ave., N.W., Washington, D.C. 20418. EOE.
**PhD Behavioral Pharmacologist**

An opening is available in the Central Nervous System Group in Pharmaceutical Research for a Ph.D. Behavioral Pharmacologist. This person will participate in drug discovery efforts directed toward the treatment of cognitive deficiencies and psychosis. The ideal candidate should have demonstrated skills in experimental psychology (e.g. operant procedures in rodents and primates), experience in pharmacological studies, small animal surgery and computer programming. Candidates should also have a minimum of 2-3 years post-doctoral or industrial experience.

**PhD Neurobiochemist**

An opening is available in the Central Nervous System Group in Pharmaceutical Research for a Ph.D. Neurobiochemist. This person will participate in drug discovery efforts on neurotransmitter systems in vitro and in vivo. Other important skills include energy metabolism measurements and autoradiography. Candidates should also have a minimum of 2-3 years post-doctoral or industrial experience.

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**Lilly Research Laboratories POSTDOCTORAL SCIENTIST PROGRAM**

**Eli Lilly and Company**

THE LILLY RESEARCH LABORATORIES, a Division of Eli Lilly and Company, is offering a postdoctoral research opportunity in plant science. The Postdoctoral Scientist will work in close association with Lilly scientists who are involved in the basic research process of agricultural chemical discovery. Publication and presentation of results will be an integral part of the program. This postdoctoral experience is designed to give individuals in-depth research training in a focused area of biology. The program will also provide an opportunity to become acquainted with the agricultural chemical development process within our industry. The Postdoctoral Scientist will be expected to participate fully in the conceptual and design phases of projects within the following area:

**Plant Biology Research**

Applicant should be a Ph.D., with experience in plant physiology, biochemistry, or pesticide metabolism. The program will be to study the effects of plants on the interaction between fungicides and their targets. The role of penetration, translocation and the metabolism will be the initial focus of the research.

Postdoctoral appointments are of one-year duration and are renewable for a second year with mutual agreement. Candidates with no more than one previous postdoctoral experience are encouraged to apply. Eli Lilly and Company will provide a comprehensive pay and benefits program including relocation expenses.

Qualified applicants should send their current *curriculum vitae* to:

- John W. Crooks, Manager
- Ph.D. Recruitment (PSP)
- Eli Lilly and Company
- Lilly Corporate Center
- Indianapolis, Indiana 46285
POSITIONS OPEN

ENDOWED OSCAR M. COHN '34 PROFESSOR OF BIOCHEMISTRY AND CHAIRWOMAN, DEPARTMENT OF BIOCHEMISTRY

DARTMOUTH MEDICAL SCHOOL

Applications and nominations are invited for an endowed professorship and chairwoman of the department of biochemistry at Dartmouth Medical School. The department has responsibilities for the education of undergraduate, medical and graduate students. The current department chairs are 2 female investigators, and is well funded from federal sources. We are seeking candidates who have an outstanding record of research achievement and a group of biochemistry or molecular biology, and who are able to provide strong leadership to an already excellent department. Candidates should have a doctorate and have a record of research achievement, experience in an academic center, and be able to provide strong leadership to an already excellent department.

Please send applications, nominations to:

Marvin W. Makinen
Department of Biochemistry and Molecular Biology
The University of Chicago
Chicago, Illinois 60637

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

POSITIONS OPEN

DIRECTOR, TECHNICAL SERVICES—A Connecticut-based health services management organization, engaged in operational, state-of-the-art facilities of the design, implementation, and overall management of multi-site in vitro fertilization programs throughout the United States, has an immediate need for a highly skilled Director, to oversee the design, implementation, and overall management of multi-site in vitro fertilization (IVF) laboratories in the states of New Jersey, New York, and Pennsylvania (includes the state of high-volume clinical IVF programs. Minimum requirements include at least a bachelor of science degree in biochemistry or biology and (or) a master of science degree, and 5 years of relevant laboratory experience in biological and genetic applications, at least 2 years of which specifically involved the supervision of an IVF program laboratory complete with at least 200 cycles per year. Also required is the demonstrated ability to recruit and train entry-level and supervisory embryologists; and the demonstrated ability to develop comprehensive written standards and protocols for the operation of a high-volume IVF laboratory. Starting salary is $65,000 per year, plus medical and life insurance, 3 weeks of paid vacation and other industry-competing benefits. Qualified applicants respond, with resume only to: Job Order #19052030, Job Service Technical Unit, Connecticut Department of Labor, 200 Foley Brook Boulevard, Wethersfield, CT 06109.

POSITIONS OPEN

Epidemiology/Ecology of Plant Disease

ASSOCIATE PROFESSOR

A tenure-track, full-time research/teaching faculty position. Research in any area of theoretical quantitative epidemiology or collaboration in development of management/extension programs for specific diseases. Teaching advanced epidemiology course and part of a Ph.D. core course in plant pathology. Ph.D. by date of appointment in field relevant to plant epidemiology, published work in refereed journals, and some formal teaching experience required. Strong background in ecology, evidence of interest in holistic approaches to describing plant pathology, pedagogical, and grant writing experience desired. Send curriculum vitae, college transcripts, statement of research, teaching and career interests, and three letters of recommendation to: Dr. James V. Groth, Chair of Search Committee Department of Plant Pathology, 495 Borlaug Hall, University of Minnesota, St. Paul, MN 55108 (Tele- phone: 612-625-0299) FAX: 612-625-9728. Application deadline—31 October 1989.

The University of Minnesota is an Equal Opportunity Educator and Employer and invites and encourages applications from women and minorities.

POSITIONS OPEN

FIELD SERVICE ENGINEER for medical equipment service and installation company in N.E. Ohio. Without assistance or supervision, responsible for planning systems layout of x-ray, diagnostic imaging and related equipment (including software and hardware), including consulting x-ray, special procedure and cardiac systems; assemble, install, wire, calibrate, troubleshoot, repair and maintain such equipment as constant and falling load frequency generators, control circuits, intensifiers, TV cameras and monitors, pick-up tubes and dose regulations circuits and test equipment such as oscilloscope, high-tension dividers, voltmeter, dosimeter, and angle optics to ensure conformance to manufacturer and government specifications and customer improvements in equipment performance; establish and maintain appropriate business relations with customers; and provide technical assistance, direction and training to personnel. Minimum requirements: Bachelor’s degree in electronic, electrical, or biomedical (with emphasis in electrical, electronic, or instrumentation engineering). Minimum of at least 5 years experience in medical electronics, equivalent of a degree (determined by an approved credentials evaluation agency). Two years of experience in job described. Possess valid driver’s license with less than six violations in the past 3 years and no related alcohol related offenses. Travel required 30% to 50% of time (approximately 3 to 4 weeks every 2 to 3 months) primarily to customers and service centers located in Germany, 40 to 50 hours per week, 6:30 a.m. to 10:00 p.m., $35,000 per year. Qualified applicants reply by resume (no phone calls) to: TEACH Equipment Services, P.O. Box 1618, Columbus, OH 43216.

GENETIC EPIDEMIOLOGIST

The Division of Population Science of the Fox Chase Cancer Center invites applications from Genetic Epidemiologists at the postdoctoral or junior faculty level. The Division is engaged in a number of multidisciplinary studies centered on the themes of discovering factors which differentially affect cancer susceptibility. Within this framework, there is a need for someone who is interested in developing and applying models for the inheritance of complex phenotypes. Historical and new data sets containing classical pedigrees information augmented by clinical, epidemiologic and biochemical data are available for the investigation. In addition, the opportunity for molecular genetic characterization of markers of susceptibility is available. Please send curriculum vitae and brief description of research interest to: Genetic Epidemiologist Search Committee, c/o Personnel Department, Fox Chase Cancer Center, 7701 Busholme Avenue, Philadelphia, PA 19111. Equal Opportunity Employer.

HUMAN IN VITRO FERTILIZATION

IVF Australia, a highly successful in vitro fertilization program with 420 babies born to 313 patients, has challenging and rewarding laboratory opportunities at three locations: Westchester County, New York, Long Island, New York, and New Jersey. Position available:

Laboratory Director

Ph.D. in biological sciences, experience in reproductive physiology, embryology and endocrinology, and laboratory management is desirable.

Medical Technologist

B.S., M.T., or equivalent both in a supervisory and entry-level capacity to work in our RIA laboratory.

Biological Technologist

B.S., M.S., or M.T. experience and embryology experience desired to work in our embryology laboratory. Extensive on the job training is supplied.

Candidates must be comfortable working as a team member, and have a desire to deliver service in a very patient-oriented program.

We offer salaries based on qualifications and experience. Send resume with salary history to:

Donna Howlett
Director of Laboratory Services
IVF Australia, Ltd.
137 Rowayton Avenue, P.O. Box 15
Rowayton, CT 06853

An Equal Opportunity Employer. Telephone inquiries are discouraged. Send resume and three letters of reference to: Dr. Roberto Berlani, Department of Biology, Santa Clara University, Santa Clara, CA 95053. Santa Clara University is an Equal Opportunity/Affirmative Action Employer.

LABORATORY TECHNICIAN

The Salk Institute Government Services Division in Swifthart, Pennsylvania has an immediate opening for a regular full-time laboratory technician. Minimum requirements include high school diploma or G.E.D. and 2 years of additional training. The Institute offers excellent benefits and a competitive salary based on qualifications. Qualified applicants may fill out our application at the laboratory. Please mail to: Laboratory Technician, Salk Institute Government Services Division, P.O. Box 250, Swifthart, PA 18370. Telephone: 717-839-8863. Equal Opportunity Employer M/F/H/V.

IMMUNOLOGIST/VIROLOGIST—One-year visiting assistant professorship at Santa Clara University. Teaching duties include virology and cellular immunology (both without laboratories), immunology (with laboratory), and one course for non-science majors. Ph.D. required, teaching experience preferred; salary dependent on experience. Position starts 15 September 1989. Application deadline 7 August 1989. Send curriculum vitae and three letters of reference to: Dr. Roberto Berlani, Department of Biology, Santa Clara University, Santa Clara, CA 95053. Santa Clara University is an Equal Opportunity/Affirmative Action Employer.

FACULTY POSITIONS

DEPARTMENT OF BIOCHEMISTRY AND MOLECULAR BIOLOGY

THE UNIVERSITY OF CHICAGO

The Department of Biochemistry and Molecular Biology at The University of Chicago wishes to invite applications for several tenure-track and tenured faculty positions to fill the 1989 to 1990 academic year. At the tenure-track level, candidates should have a recent record of research accomplishment, and demonstrable potential for the development of an independent research career in an academic setting. At the tenured level, candidates must have a strong record of research accomplishment and evidence for continued research programs at the forefront of the field. Although we are seeking individuals with research interests in any area of modern biochemistry and molecular biology, we are particularly emphasizing recruitment of individuals with research interests in nucleic acid biochemistry, protein-nucleic acid interactions, membrane and cell biochemistry, and structural biology, including macromolecular dynamics. Applications should include a curriculum vitae, a list of publications, a summary of current research activities and future research plans, and the names of at least four individuals who would be willing to be solicited. While we have no formal deadline, we would appreciate receiving applications by 15 October 1989. Please send applications, nominations to:

Marvin W. Makinen
Department of Biochemistry and Molecular Biology
The University of Chicago
Chicago, Illinois 60637

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

FACULTY POSITION IN MICROBIOLOGY

RETROVIRAL MOLECULAR BIOLOGY

UNIVERSITY OF PENNSYLVANIA

M.D. or PH.D. IN BIOLOGY

Applications are invited for a tenure-track position at any level in the Department of Microbiology. Candidates should have established research experience in the molecular biology of retroviruses. Significant opportunities are available to collaborate with other investigators interested in human retroviruses. The department has an established program in animal virology, prmarykaryogenetics, and a developing one in fungal genetics. Applicants should have a doctoral degree, and at least 2 years of postdoctoral experience. Please send: (i) curriculum vitae, (ii) names and addresses of at least three references. (iii) a short summary of research interests to: Joan S. Brugge, Search Committee, Department of Microbiology, School of Medicine, University of Pennsylvania, Philadelphia, PA 19104—6076. Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

FACULTY POSITIONS

DEPARTMENT OF BIOCHEMISTRY AND MOLECULAR BIOLOGY

THE UNIVERSITY OF CHICAGO

The Department of Biochemistry and Molecular Biology at The University of Chicago wishes to invite applications for several tenure-track or tenured faculty positions to fill the 1989 to 1990 academic year. At the tenure-track level, candidates should have a doctoral degree, significant postdoctoral research experience, a strong record of research accomplishment, and demonstrable potential for the development of an independent research career in an academic setting. At the tenured level, candidates must have a strong record of research accomplishment and evidence for continued research programs at the forefront of the field. Although we are seeking individuals with research interests in any area of modern biochemistry and molecular biology, we are particularly emphasizing recruitment of individuals with research interests in nucleic acid biochemistry, protein-nucleic acid interactions, membrane and cell biochemistry, and structural biology, including macromolecular dynamics. Applications should include curriculum vitae, a list of publications, a summary of current research activities and future research plans, and the names of at least four individuals who would be willing to be solicited. While we have no formal deadline, we would appreciate receiving applications by 15 October 1989. Please send applications, nominations to:

Marvin W. Makinen
Department of Biochemistry and Molecular Biology
The University of Chicago
Chicago, Illinois 60637

The University of Chicago is an Affirmative Action/Equal Opportunity Employer.
Oxford GlycoSystems is a UK based biotechnology Company founded to commercialise innovative technology emerging from Oxford University and other sources in the rapidly growing field of Carbohydrate Research as used in modern molecular biology.
To complement our team we are now looking for experienced scientists to fill the following positions for our Instrumentation Development Group.

**Biochemist**

**Chemist**

**Molecular Biologist**

**Chromatography Engineer**

For any of the above positions at least three years experience is required in designing or optimising analytical instruments and ideally design experience in any of the following instrumentation areas:

- Peptide Synthesizers or Sequencers
- HPLC or Other Chromatographic Systems
- DNA Synthesizers or Sequencers
- Electrophoresis Systems
- Amino Acid Analysers

We are also interested in meeting Software Engineers and Mechanical Designers with design experience in the above fields.

For all the above positions the company offers an excellent salary package, including Pension Scheme, Life Assurance, Private Health Care, relocation, equity participation and an excellent working environment.
If you are a self motivated scientist or engineer and would like the opportunity and the challenge to be part of a team working on the design of the world’s first carbohydrate sequencers then you should send your cv, stating current salary, position and qualifications, to: Marianne Band, Oxford GlycoSystems Limited, Hitching Court, Blacklands Way, Abingdon, Oxon OX14 1RG, England.
ANALYTICAL SERVICES FOR PLANT AND MICROBIAL COMPLEX CARBOHYDRATES

The Complex Carbohydrate Research Center (CCRC) of the University of Georgia has been designated a center for the study of the complex carbohydrates of plants and microbes. This Center is a component of the three-agency (USDA, NSF, DOE) Plant Science Centers Program. One of the responsibilities of the CCRC is to provide analytical assistance for complex carbohydrate studies by scientists carrying out basic, non-proprietary plant and microbial research in university, industrial, and government laboratories.

The complex carbohydrate analytical services provided by the CCRC include evaluation of sample purity, glycosyl-residue and glycosyl-linkage composition analyses, molecular weight determinations, and, when appropriate and when manpower is available, glycosyl-sequence analysis. The CCRC instrumentation that will be used to provide these services includes: GC, GC-MS, LC-MS, FAB-MS and 250- and 500-MHz 1H-NMR spectroscopy, and 13C-NMR spectroscopy.

Those wishing to use the services of the CCRC should apply in writing, describing briefly the goals of the research project, the source of funding for the project, and, in detail, the sample(s) to be analyzed, evidence of the sample’s purity, the amount of sample available for analysis, and other relevant information. Most samples will be analyzed by CCRC personnel; however, it is anticipated that sample purification, assays of biologically active samples, and perhaps other procedures will require the direct participation of those submitting samples. CCRC facilities may be made available for researchers to perform some of these tasks. Please do not submit samples without prior agreement.

Applications and inquiries should be addressed to the Technical Director for Plant and Microbial Carbohydrates, Complex Carbohydrate Research Center, The University of Georgia, 220 Riverbend Road, Athens, Georgia 30602 USA.

Neurogenetic Corporation is a rapidly growing biotechnology company involved in the cloning and expression of genes for human receptors and other drug target sites for the development of novel therapeutic and diagnostic approaches to neurological and psychiatric disorders. Our modern, well-equipped laboratories are located in a pleasant suburban environment near New York City.

Several positions are currently available for research scientists who have a Ph.D. and at least two years of postdoctoral experience in one of the following areas:

MOLECULAR BIOLOGY: Candidates should have experience in molecular cloning, mammalian cell transfections, or PCR technology.

NEUROBIOLOGY: ELECTROPHYSIOLOGISTS with experience in patch clamp, whole cell voltage clamp, or oocyte recordings and NEUROPHARMACOLOGISTS with experience in receptor or second messenger assays.

We offer a stimulating multidisciplinary research environment, competitive salaries and benefits, and stock ownership. Applications, which will be kept confidential, should include curriculum vitae and names of three references. Apply to:

Personnel Manager
Neurogenetic Corporation
215 College Road
Paramus, NJ 07652

An equal opportunity employer.
The company wishes to recruit a specialist in the biology of blood disorders having the profile of "drug discoverer" possessing excellent scientific and industrial drills and the ability to apply his (or her) ideas to produce solid results.

The candidate will be a Ph.D. or equivalent.

The position requires a background in the following areas:

- **Mechanisms of platelet aggregation**
- **Interaction of blood elements with the vascular wall relevant to the etiology of atherosclerosis**
- **Pharmacology of haemostasis and thrombosis**
- **Thrombolytic agents.**

Applicants should have a minimum of 2 years of post-doctoral experience in an industrial setting and the responsibilities and remuneration of the successful candidate will be commensurate with his (or her) experience.

A generous benefit package includes relocation costs and considerable social advantages. The laboratory is located in the Paris area.

Applicants submit their C.V. with list of publications, photo, selected reprints and list of 3 referees under ref. 56 802/S to MEDIA SYSTEM, 6/8 Impasse des Deux Cousins, 75849 Paris Cedex 17, FRANCE.

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**PHARMACOLOGISTS**

**Ph.D.**

Merck Sharp & Dohme Research Laboratories is currently offering several excellent career opportunities for scientists to join our growing cardiovascular research program.

**POSITION #1 - Post-Doctoral Scientist - Pharmacology** - The successful candidate will have a working knowledge of animal models of thrombosis and thrombolysis and will test and evaluate novel antithrombotic agents in these models. Qualifications for this position require a Ph.D. in cardiovascular pharmacology (preferred) or physiology. Furthermore, experience in platelet adhesion/aggregation would be desirable. Publication of experimental results will be highly encouraged.

**POSITION #2 - Pharmacologist** - The successful candidate will direct a laboratory of junior staff members evaluating novel antithrombotic agents and will develop new models of thrombosis as required. Qualifications for this position include a Ph.D. in cardiovascular pharmacology (preferred) or physiology with 2-3 years of post-doctoral experience. This position requires a thorough knowledge of thrombosis, thrombolysis and blood coagulation. Furthermore, a candidate with ability to measure myocardial infarct size is highly desired. Collaboration with other scientists in the group is encouraged as well as publication and presentation of experimental results.

**POSITION #3 - Pharmacologist** - We are seeking a Ph.D./M.D. scientist with 2-5 years post-doctoral experience in cardiovascular pharmacology. Expertise in assessment of in vivo cardiac function and hemodynamics is required to compliment ongoing research and drug development in areas of hypertension, heart failure and cardiac arrhythmias. Demonstration of scientific achievement and proven oral and written skills are required.

Excellent salary and benefits programs accompany these positions at our modern research facilities in West Point, PA, 25 miles northwest of Philadelphia.

When responding, please indicate for which position(s) you are applying and send your resume with salary requirements to:

**Personnel Manager A-22 Position**

Research Personnel WP 42-2

Merck Sharp and Dohme Research Laboratories

West Point, PA 19486

EEO/AA/VH Employer

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Merck & Co., Inc.
The Department should provide...istic approach to molecular markers (i.e., isozymes, RFLP's, etc.) in field and sweet corn. Experience in Southern blotting and plasmid preparation as well as an understanding of the basic aspects of bacterial infection and immunity is preferred. Responsibilities include the development of a strong research program, with emphasis on various aspects of rodent biology towards solving animal health problems important to veterinary medicine. The successful candidate will be expected to become a member of the interdepartmental research projects dealing particularly with Pasteurella haemolytica and Brucella abortus. Experience is desired in one or more of the following areas: recombinant DNA technology, protein expression, subunit vaccine development, or molecular genetics. Opportunity exists to collaborate with others in the College of Veterinary Medicine, Agricultural Experiment Station, and several other campus departments involved with molecular biology and infectious disease research. Application with resumé and letter of interest should be submitted by 15 August 1989. Dr. A. W. Confer, Head, Department of Veterinary Pathology and Laboratory Medicine, 709 Woodruff Memorial Building, University of Kentucky, Lexington, KY 40546.

Molecular Immunologist

Candidates are sought at the assistant or associate professor level, tenured or tenure-track, to undertake research using molecular approaches to immunology.

NEUROBIOLOGIST

The recently created Division of Neuroscience at the Oregon Regional Primate Research Center has a position available (assistant or associate rank) for a scientist with research interest in the development, differentiation, and function of brain cells, emphasizing the role of growth factors and its receptors. Candidates should have expertise in tissue culture of brain cells, immunocytochemistry, and relevant cellular and biochemical techniques. The candidate selected will be expected to develop independent research and to be willing to interact with a number of investigators studying the development of hypothalamic function using physiological, cellular, and molecular approaches. Substantial laboratory and start-up funds will be available. The appointee should also be willing to include nonhuman primates in his/her research. Salary and rank will be commensurate with experience. Excellent opportunities exist for interaction with the Vollum Institute for Advanced Biomedical Research, and basic science departments at The Oregon Health Sciences University. Application, curriculum vitae, statement of research experience and future research plans, and names of three references to: Head, Division of Neuroscience, Oregon Regional Primate Research Center, 505 NW 185th Avenue, Beaverton, OR 97006. The Oregon Regional Primate Research Center is an Equal Opportunity/Affirmative Action Employer.

PHYSIOLOGIST

A position is available in the Physiology Department at The University of Arizona College of Medicine, Tucson, Arizona. The position will be to work with a team of scientists involved in efforts to understand the cardiovascular mechanisms underlying the control of blood pressure. Responsibilities of this position will include: designing and conducting studies aimed at understanding the role of the nervous system in cardiovascular control; writing up results of experiments; and presenting data at scientific meetings. The candidate should have a Ph.D. degree in physiology or a closely related field with experience in cardiovascular physiology. Experience in performing and interpreting chronically implanted experiments in vivo will be a plus. Candidates with experience in the electrophysiology of superfi
cial blood vessels and/or in ionic mechanisms of smooth muscle contraction are especially encouraged to apply. Send inquiries to: Dr. James M. Schmid, Department of Physiology, The University of Arizona, Tucson, AZ 85724. Applications should be submitted by 31 August 1989. An Equal Opportunity/Affirmative Action Employer.
THE MARIA GOEPPERT-MAYER
DISTINGUISHED SCHOLAR
PROGRAM ANNOUNCEMENT

Argonne National Laboratory has established the position of Maria Goepert-Mayer Distinguished Scholar to attract outstanding women scientists and engineers to the Laboratory. Candidates may be at early points in promising careers or may already have achieved prominence in their fields. Two awards per year will be granted on a competitive basis. A Laboratory Committee will make the selections based on the candidates creativity in research and development.

Argonne's primary purpose as a non-profit research and development organization is to explore energy sources and investigate the fundamentals of physical, chemical and biological sciences. It is engaged in nuclear reactor development, energy and environment R&D, biological, medical, chemical nuclear and high energy physics, and materials science research.

Residency will be flexible to meet mutual objectives. Typical residency will be for one year, extendable for a second, but a series of shorter periods in residence could be accommodated. During their period of residence, The Maria Goepert-Mayer Scholars will become associated primarily with the programs of one of Argonne's Divisions. However, opportunities will be provided for the Scholars to pursue, if they desire, more interdisciplinary activities that cut across organizational structures.

Financial support and other perquisites will be attractive.

Applications and recommendations for the Maria Goepert-Mayer Distinguished Scholar should be addressed to: Ronald A. Johns, Box J-MGM-55, ARGONNE NATIONAL LABORATORY, 9700 South Cass Avenue, Argonne, IL 60439. Completed applications must be received by August 31, 1989. Argonne is an affirmative action/equal opportunity employer.

Post Doctoral position in Neuropsychopharmacology

A post doctoral position is available in the Central Nervous System Group in Pharmaceutical Research for an individual skilled in the measurement of neurotransmitter release in vivo. This person should be proficient in state-of-the-art techniques for the analysis of monoamines, neuropeptides, and amino acids. This individual will collaborate with a team of scientists evaluating mechanism of action of novel pharmacological agents. This position is for 1 year with the possibility of renewal for a second year.

Du Pont provides competitive compensation and relocation benefits. Our mid-Atlantic location offers a wide range of academic, cultural, and recreational activities. Interested candidates should send their resumes and references to: Professional Staffing, Employee Relations Dept., Room X-5172, Du Pont Company, Wilmington, DE 19898

An Equal Opportunity Employer M/F/H/V
U.S. Citizenship or Permanent Visa Required
and meet other appropriate IRCA requirements
Health Scientist Administrator

The Allergy Immunology and Transplantation Program (AITP) of the National Institute of Allergy and Infectious Diseases, NIH, is currently recruiting for Chief of the Genetics and Transplantation Branch. The incumbent plans and conducts the NIAID's research and training grants, fellowships and career award programs in this area; coordinates various support programs and develops priorities within this scientific area; reviews and presents to the National Advisory Allergy and Infectious Diseases Council applications in this program area; and develops and maintains liaison with appropriate departments of universities, other institutions, other components of the NIH and DHHS, advisory bodies and other organizations.

Applicants for this position should possess a M.D. or Ph.D. degree as well as research and grant experience and should have a track record demonstrating the ability to obtain research support.

Health Scientist Administrator, GM-601 / 602-15
$57,158 - $77,331
Contact: Robert A. Goldstein, M.D., Ph.D.
Building 31, Room 7A52
NIAID/NIH
9000 Rockville Pike
Bethesda, MD 20892
Phone: (301) 496-1886
U.S. Citizenship required.

"NIH IS AN EQUAL OPPORTUNITY EMPLOYER"

POSTDOCTORAL ASSOCIATE POSITIONS
THE UNIVERSITY OF IOWA

Please contact the appropriate department to express your specific interest:

ANATOMY — Dr. Joe Dan Coulter, Professor and Head, Bowen Science Building.

ANESTHESIA — John H. Trinker, M.D., Professor and Head.

BIOCHEMISTRY — Alan G. Goodridge, Professor and Head, Bowen Science Building.

DERMATOLOGY — John S. Strauss, M.D., Professor and Head; or Kenzo Sato, M.D., Professor; 2 Boyd Tower, General Hospital. A postdoctoral research associate for the study of electrophysiology of cultured cells.

INTERNAL MEDICINE — Openings available in all disciplines in the Internal Medicine Department, College of Medicine, University of Iowa, Contact Francois M. Abboud, M.D., Professor and Head; or Darris Goerdt, Administrator. Phone 319-358-2850.

MICROBIOLOGY — Dr. Irving P. Crawford, Professor and Head, Bowen Science Building.

NEUROLOGY — Postdoctoral associate positions are available in Cognitive Neuroscience, Neurophysiology, Neurobiology, Cerebrovascular Disease, Epilepsy, Sleep, and Neuromuscular Disease. Antonio R. Damasio, M.D., Professor and Head, 2151 Roy Carver Pavilion.

PATHOLOGY — Dr. Richard G. Lynch, Professor and Chairman, 144 Medical Laboratories, Research activity in all areas of pathology.

PEDIATRICS — Dr. Frank H. Morriss, M.D., Professor and Head.

PHARMACOLOGY — Dr. P. Michael Conn, Chairman and Head, Bowen Science Building. Openings available in all areas of pharmacology and toxicology.

PHYSIOLOGY & BIOPHYSICS — Positions available for cellular and molecular research in endocrinology, neurophysiology and membrane biology. Contact Robert E. Fellows, M.D., Ph.D., Professor and Head, 5-660 Bowen Science Building.

UROLOGY — Dr. Richard D. Williams, Professor and Chairman, Carver Pavilion. A postdoctoral position is available for physicians interested in the study of immune modulation of genitourinary cancer cells in vitro and in animal models.

A Ph.D. or equivalent is required. Desirable qualifications are based on Project Investigator's interest for research. Women and minorities are encouraged to apply. The University of Iowa, College of Medicine, Iowa City, Iowa, 52242, is an Equal Opportunity/Affirmative Action Employer.

Pharmacologist

XOMA Corporation, a leader in the development of targeted protein therapeutics, has an immediate opening for a Ph.D. level Pharmacologist. The successful candidate will design, conduct and interpret pharmacological and pharmacokinetic studies with new products in development for the treatment of immune-related diseases and sepsis.

Candidates should have a Ph.D. in pharmacology or related discipline with 1-3 years post-doctoral training. Experience in the use of laboratory rodents for pharmacokinetic and/or pharmacological studies is essential. Background in immunological model systems, biostatistics, computer use and technical supervision is desirable.

XOMA offers competitive salary and comprehensive benefits in an outstanding work environment. For consideration, please forward your C.V. and salary history to: Technical Recruiting Coordinator, XOMA Corporation, 2910 Seventh St., Berkeley, CA 94710. EOE.

BUILDING A NEW LAB?

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SIMPLY WRITE US A LETTER STATING THE SPECIFICS ABOUT YOUR PROPOSED LAB AND WE WILL DO THE REST.

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SCIENCE MAGAZINE
NEW LAB SERVICE DEPT.
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NEW YORK, N.Y. 10036
Challenging Opportunities in Biomedical Research

Staff Fellowship Program
DHHS/PHS/Food and Drug Administration
Center for Biologics Evaluation and Research

The Center for Biologics Evaluation and Research is searching for outstanding candidates to conduct biomedical research to provide a strong scientific base for the regulation of biological products. Current research includes investigations in the areas of viral and bacterial diseases and vaccines, mechanisms of pathogenesis, cytokines, allergy and immunology, cell biology, and monoclonal antibodies. We have active research on AIDS and related diseases.

**Qualifications:** Candidates must have completed all requirements for a Medical or Doctor of Philosophy/Science Degree and must be either U.S. citizens or resident aliens eligible for citizenship within four years. Foreign medical school graduates must submit a copy of their permanent Educational Commission for Foreign Medical Graduates (ECFMG) certification.

**Duration:** Appointments are for an initial two-year period and may be extended up to a total of seven years.

**Location:** Laboratories are strategically located on the campus of the National Institutes of Health in Bethesda, Maryland.

**Salary:** Salary range for candidates with a Doctor of Philosophy/Science Degree is from $24,000 to $45,234. Salary range for candidates with a Medical Degree is from $28,000 to $52,825. Salary, research support, and level of responsibility are commensurate with education and experience.

**How to Apply:** Candidates should send a current curriculum vitae and bibliography to:

FDA/Center for Biologics Evaluation and Research
Building 29, Room 114, X
8800 Rockville Pike
Bethesda, Maryland 20892

For further information call Ms. Boyer on (301) 496-5394.

FDA is an Equal Opportunity Employer
ASSOCIATE SCIENTIST

Hoffmann-La Roche is a world renowned leader in the field of pharmaceutical and medical research. Our firm commitment to ensuring a healthier tomorrow has created an important opportunity for an Associate Scientist to join us.

You will become involved with HPLC analyses and methods development, primarily for pharmacokineti c studies of new antibacterial agents in animals. To qualify, you must have a BS/MS in Biochemistry, Chemistry or related field, along with at least three years of relevant industrial or academic experience. Familiarity with a variety of biochemical techniques along with thorough training and experience in HPLC is essential; knowledge of pharmacokinetics and a background with laboratory animals are also required.

We offer a competitive salary, a generous benefits package, and an exciting opportunity to become involved in significant research with a progressive industry leader. For confidential consideration, please send your resume, indicating salary history/requirements, to: Frances Newman, Staffing and Employee Services, Department JC, Hoffmann-La Roche Inc., Nutley, New Jersey 07110. We are an equal opportunity employer.
At Burroughs Wellcome Co. we create an environment in which individual initiative can flourish...as our recent Nobel winners have attested. We believe such freedom is the strength of our company...using the talents of our people whatever their field of endeavor.

GREAT PEOPLE MAKE A GREAT COMPANY

Research Scientist II

Job #60785-4/#60758-4. Experimental Therapy Division. This position requires a Ph.D. in medicinal chemistry, biochemistry or organic chemistry OR a Master’s degree in one of these disciplines with 5 years of research experience. Also required is demonstrated expertise in chemical and/or enzyme based synthesis or mechanistic enzymology. Experience working on synthesis, isolation and characterization of novel compounds, preferably heterocyclic compounds related to nucleosides is desired.

Job #60157-4. Experimental Therapy Division. This position requires a Ph.D. in biochemistry, chemistry or pharmacology OR a Master’s degree in one of these disciplines with 4 years relevant experience OR a Bachelor’s degree in one of these disciplines with 4 years relevant experience. Training and experience in liposomes is necessary to qualify for this position. Training and experience in the use of radiotopes, tissue culture, HPLC, computers, quantitative chemical/biochemical analysis, enzyme kinetics and virology is desired.

Job #61087-4. Medicinal Biochemistry Division. This position requires a Master’s degree in organic chemistry, analytical chemistry, pharmacy or biochemistry plus 2 years laboratory experience with HPLC and laboratory computer/data systems OR a Bachelor’s degree in the disciplines above plus 4 years laboratory experience in the above areas. Gas chromatography and in vivo testing experience, knowledge of statistics, pharmacokinetics, metabolite isolation and PC word processing desired. Experience in conducting ADME (absorption, distribution, metabolism and elimination) studies preferred.

Clinical Research Scientist I

You will assist in the performance of those activities associated with the execution of Medical Division clinical studies of developmental drugs and marketed products. Candidates should have a Ph.D. in a biological science with a minimum of one additional year of clinical or research experience OR a Master’s degree with 5 years experience as above. Other factors to be considered include: familiarity with clinical research methodology/activities (e.g. study design, site monitoring). May require frequent travel.

Job #60637-3 provides an opportunity to work in the field of infectious diseases in a dynamic setting facing major health challenges with particular emphasis on antivirals.

Job #60951-3 provides an opportunity to work in the respiratory, cardiovascular and hematologic areas of clinical research, involving new chemical entities requiring innovative approaches to clinical drug development. This is a Ph.D. level position.

Job #61219-3 provides an opportunity to work in clinical research and development involving immunologic products targeted for treatment and prevention of infectious diseases and autoimmune diseases in a rapidly expanding environment of medical biotechnology.

Research Scientist I

Job #61053-4. Medicinal Biochemistry Division. This position requires a Master’s degree in chemistry, biochemistry, biology or enzymology OR a Bachelor’s degree in these fields plus 2 years relevant laboratory experience. Extensive experience in enzyme kinetics, protein purification and HPLC experience is required to qualify for this position. Computer literacy, tissue culture experience and surgical experience is desired.

Burroughs Wellcome Fellow

Job #61184-5. One year appointment available after October 1, 1989. This position requires a Ph.D. in biochemistry, oncology or closely related field. Knowledge and ability to work with radioisotopes and in vivo testing experience required. A knowledge of HPLC, enzymology and tissue culture techniques is desired. Techniques related to the maintenance and use of murine tumors and knowledge of folate biochemistry are also preferred.

Burroughs Wellcome Co. offers top benefit programs along with very competitive salaries. If you are interested in working for us, submit your resume, indicating position number in your cover letter by August 15, 1989 to: Burroughs Wellcome Co., Recruiting and Staffing, 3030 Cornwallis Road, Research Triangle Park, NC 27709.

For information on job opportunities with Burroughs Wellcome Co. at Research Triangle Park, call our Job Information Line at (919)248-8347 from any touch tone phone.
POSTDOCTORAL POSITION

POSMIIONS

POSMIIONS

MIT/Joint Program at Deaconess Hospital. Project involves developing an immobilized enzyme reactor to reduce toxic substances. Background in chemical engineering or bioengineering desirable. Send curriculum vitae and names of three references to: Laura Garber, Children's Hospital, New England Deaconess Hospital, 185 Pilgrim Road, Boston, MA 02215. Equal Employment Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION IN HAVARD/MIT JOINT PROGRAM at Deaconess Hospital. Project involves developing an immobilized enzyme reactor to reduce toxic substances. Background in chemical engineering or bioengineering desirable. Send curriculum vitae and names of three references to: Laura Garber, Children's Hospital, New England Deaconess Hospital, 185 Pilgrim Road, Boston, MA 02215. Equal Employment Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION available immediately for recent Ph.D. with interests in environmental toxicology to investigate mechanisms of chemical-induced disorders of porphyrin and heme metabolism and the relationship of these events to cell injury. Particular interests will be in mechanisms of reactive oxygen metabolites, research interests, and names and addresses of three references to: James S. Woods, Ph.D., Department of Environmental Health, SC-34, University of Washington, Seattle, WA 98195. Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION

NIH-funded position is available for postdoctoral fellow to study immunologic and inflammatory mechanisms of chronic infectious respiratory diseases. Experience with basic immunological techniques would be preferred, and interest in the role of cytokines in inflammatory responses or experience with in situ hybridization or Northern blotting would be helpful. Successful applicants will be involved in a collaborative group involved with mycoplasma research and other infectious agents in the areas of disease pathogenesis, genetics, pharmacology, and clinical research and diagnostics. Send curriculum vitae and the names of three references to: Dr. Gail Cassell, University of Alabama at Birmingham, Department of Microbiology, 501 Volker Hall, Birmingham, AL 35294. An Equal Opportunity Employer.

POSTDOCTORAL POSITION

Isolation of opio- roid receptors from neuroblastoma cell culture and cloning of the opioid receptor genes; mutational analysis of receptor and ligand sequences in molecular biology, protein isolation, and/or recombinant DNA technology. Five-year NIDA grant, available August 1989. Resume and names of three references to: Dr. W. Sadze, School of Medicine, University of California, San Francisco, (UCSF), San Francisco, CA 94143. Telephone: 415-476-1947.

POSTDOCTORAL POSITION available for 1 to 2 years. Candidate must have Ph.D. in pharmacology with experience in CNS-pharmacology including rodent behavior tests, receptor binding with DA, NE, ANF systems, etc. Salary is competitive. Candidate must be able to join by 15 October 1989. Apply with detailed resume by 31 August 1989. Dr. Y. Cao, Medicinal Chemistry Department, Box J-485 JHMMC, University of Florida, Gainesville, FL 32610.

POSTDOCTORAL POSITION

Full-time position available September 1989 to study biochemical and molecular aspects of signal transduction in bacteria. Knowledge or experience in biochemistry and molecular techniques is desirable. Send curriculum vitae and names of four references to: Dr. Philip Matsumura, University of Illinois at Chicago, Department of Biological Sciences M/C 667, P.O. Box 4348, Chicago, IL 60680. UIC is an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITION available to study mole- ticle behavior of lung macrophages and their role in lung's host defense and bacterial clearance. Research will be directed at molecular events involved in cell motility. Experimental approach will include time-lapse video microscopy coupled with computer modeling to study motile properties. Candidate should have Ph.D. or M.D. and experience in cell biology. Send curriculum vitae to: Ronald P. Daniele, M.D., 807 East Gates Building, Hospital of The University of Pennsylvania, 3400 Spruce Street, Philadelphia, PA 19104-4283. Equal Opportunity Employer.

POSTDOCTORAL POSITION

Postdoctoral position available for qualified Ph.D. in the pharmacology and biochemistry of antineoplastic agents targeted against specific human cancer types. Studies will involve in vitro and in vivo analysis. Experience in the use of thymidylate synthase as the primary target. The focus will be on metabolism of reduced folates, modulation of reduced folate transport, and optimization of drug scheduling for therapeutic gain. Research will also identify factors that influence the regulation and turnover of thymidylate synthase in elucidating the importance of the enzyme as a therapeutic target. Candidates may have up to 5 years of postdoctoral experience. A strong background in bio- chemical pharmacology or biochemistry is advantageous. Send curriculum vitae and names of three references to: Dr. J. A. Houghton, Laboratories for Developmental Therapeutics, Department of Pharmacology, St. Jude Children's Research Hospital, 332 North Lauderdale, Memphis, TN 38101. Equal Opportunity/Affirmative Action Employer.
Applied Physicist

A better way to work.

Our manufacturing operation is seeking an Applied Physicist to support the manufacture of our Cesium Frequency Standard. This position requires knowledge of: vacuum tube manufacturing processes; product/process performance measures; and electronic circuit troubleshooting.

Minimum requirements are: MS in Engineering Physics or Applied Physics; at least 3 years related experience; excellent written and verbal communication skills; demonstrated ability to be successful in a team environment; background in microwave measurements and surface physics is a plus.

Hewlett-Packard offers an excellent compensation and benefits package. For immediate consideration, please send your resume to: Professional Staffing, #6424, Hewlett-Packard Company, 5301 Stevens Creek Blvd., Santa Clara, CA 95052-8059. Hewlett-Packard Company is an Equal Opportunity/Affirmative Action Employer.

BIOTECHNOLOGY

Scientist

Analytical Development

Cetus Corporation, a leader in biotechnology, has an opening in the Analytical Development Group for a Scientist to help lead a group of researchers in the development of immunoassays and DNA assays in support of the production of recombinant products.

Requirements include a PhD/MS or equivalent experience in immunology or allied field, with a minimum of 2-4 years’ experience developing immunological and DNA assays. Demonstrated supervisory skills are also required; biotechnological/pharmaceutical experience is desirable.

Cetus offers an excellent benefits package along with an environment that encourages innovation and growth. For consideration, please send your resume to Cetus Corporation, Box MG, 1400 Fifty-Third Street, Emeryville, CA 94608. We are an Equal Opportunity Employer.

BOEHRINGER INGELHEIM PHARMACEUTICALS, Inc. is engaged in the discovery, development, manufacture and marketing of novel therapeutic agents. The major expansion of our Research and Development programs, facilities and staff has created the need for the following regular and postdoctoral positions in our BIOCHEMISTRY department at our DANBURY, CT location.

Staff Positions

Biochemist/Cell Biologist

This position requires an individual with particular interest in signal transduction and/or mediator induced gene expression to investigate molecular mechanisms of inflammatory processes.

The successful candidate will have a Ph.D. in Biochemistry or related discipline with 2 or more years postdoctoral experience. Respond to Dept. JC-15-961.

Enzymologist

This position requires an individual interested in elucidating enzyme mechanisms for the purpose of advancing drug discovery. Relevant experience includes enzymology, physical organic chemistry and related areas of biochemistry. This work will support our anti-viral/anti-inflammatory research programs.

Ph.D. in relevant discipline and 2 or more years postdoctoral experience required. Respond to Dept. JC-15-915.

Postdoctoral Positions

Biochemistry

Candidates should have an interest in investigating basic molecular mechanisms of inflammation. Respond to Dept. JC-15-PE.

Enzymology

Candidates should have a background and interest in enzymology, physical organic chemistry or kinetics. Research goals will be to investigate the kinetics, specificity and mechanism of viral proteases. Respond to Dept. JC-15-MS.

Boehringer Ingelheim

BOEHRINGER INGELHEIM offers a competitive salary and benefits package including relocation assistance, modern facilities and the opportunity to have your contributions recognized.

If interested, please send your curriculum vitae to the appropriate Department Code, BOEHRINGER INGELHEIM PHARMACEUTICALS, Inc., 90 East Ridge, PO. Box 368, Ridgefield, CT 06877. We are an equal opportunity employer m/f/h/v.
THE FELS INSTITUTE FOR CANCER RESEARCH AND MOLECULAR BIOLOGY POSITIONS AVAILABLE FACULTY-POSTDOCTORAL GRADUATE STUDENTS

MOLECULAR BIOLOGISTS—Tenure track positions. All areas of molecular biology and genetics of interest. Preference will be given to developmental molecular biologists and researchers on transgenic animals. Send curriculum vitae, a brief statement of research plans and request that three letters of recommendation be sent to the address below.

PROTEIN CHEMISTS—Tenure track positions. Send curriculum vitae, a brief statement of research plans and request that three letters of recommendation be sent to the address below.

POSTDOCTORAL POSITIONS—Postdoctoral positions available in the areas of molecular biology and genetics, gene mapping, cell biology, biochemistry or carcinogenesis. Postdoctoral positions are available in specific areas of research: Oncogene mapping, gene mapping in growth control, DNA repair, transduction, receptors and cellular transduction systems. Send curriculum vitae, a short statement on training interests and request that three letters of recommendation be sent to the address below. All applications will be considered.

Send information requested above to:

Dr. Gerald Litwack, Deputy Director
The Fels Institute for Cancer Research and Molecular Biology
Temple University School of Medicine
3420 North Broad Street
Philadelphia, PA 19140

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MEDICAL RESEARCH COUNCIL
CLINICAL RESEARCH CENTRE
WATFORD ROAD
HARROW, HA1 3UJ
Telephone: 01-864-5311
POSTDOCTORAL SCIENTIST
MOLECULAR GENETICS OF THE MOUSE X CHROMOSOME

Applications are invited for a 3-year postdoctoral appointment to join an established group working on the molecular genetics of the mouse X chromosome. This project will initially involve the construction of genomic libraries in Yeast Artificial Chromosome vectors (YACs). Subsequent work will involve the use of this resource to isolate genes associated with a number of X-linked loci. This project will complement ongoing research on the molecular and physical mapping of CpG island clones onto the X chromosome. The group also has established facilities for making transgenic mice by oocyte injection and embryonic stem (ES) cell manipulation. Experience in the methods of molecular genetics/molecular biology is desirable. Salary will be at an appropriate point on the scales for non-clinical university academic staff. Application forms and further details available from The Personnel Department, extension: 2673 quoting ref 102/13912.

The Medical Research Council is an Equal Opportunity Employer.

RESEARCH ASSOCIATE (ELECTRON MICROSCOPY TECHNICIAN). Vacancy #174-89, full-time, permanent position to coordinate the facility. Duties include the supervision and operation of TEM, SEM, and auxiliary equipment. Process samples, prepare EM negatives and prints and instruct faculty and student users. Minimum of a B.S. degree or 6 years of EM research level experience is required. Send Northern Arizona University (NAU) application, descriptions of EM experiences, transcripts, and three letters of recommendation to The Personnel Department, Northern Arizona University, Flagstaff, AZ 86011, by April 1, 1989. Questions concerning the Department should be addressed to: Dr. Norm Grim, (Telephone: 602-523-7218). The University of Arizona is an Equal Employment Opportunity/Affirmative Action Institute.

RESEARCH ASSOCIATE

Merck & Dohme Research Laboratories has an opening for a scientist in a research group studying the general problem of cholesterol-carrying lipoproteins and its relationship to atherosclerosis. A B.S. or M.S. or equivalent in biochemistry or a related discipline is required, along with experience in cell culture techniques. Skills in protein purification and the handling of small animals would be useful.

Merck Sharp and Dohme Research Laboratories is located in Rahway, New Jersey approximately 25 miles from New York City. Our salaries, benefits and growth potential are excellent. For consideration, send your resume with the names of three references to Don Hoffman, Merck & Co., Inc., P.O. Box 2000, Rahway, New Jersey 07065.

EQUAL OPPORTUNITY EMPLOYER

BONE MARROW TRANSPLANTATION PROGRAM
UNIVERSITY OF MINNESOTA

Assistant or Associate Professor (Tenure track, Tenure)

The Bone Marrow Transplant Program at the University of Minnesota seeks to fill up to two positions in the field of bone marrow transplantation. Candidates should be physicians with experience in clinical and/or laboratory research and in teaching. Candidates will be expected to actively participate in one or more subspecialty areas in clinical and/or laboratory research, teach in the department of appointment and attend in the bone marrow transplant unit. Individuals with interest and experience in unrelated donors/immunogenetics, graft versus host disease, and in vitro transplants, immunotherapy or infectious diseases are especially sought.

Qualifications:
Assistant Professor (tenure track): demonstrated involvement in quality research accepted or published in peer-reviewed journals; Associate Professor (tenure): professional distinction in research and writing and demonstrated effectiveness in teaching and advising. Salary will be commensurate with education and experience. Interested individuals should send curriculum vitae, a brief description of cancer plans and goals and a list of three references to the following address. The last date for receipt of applications is OCTOBER 1, 1989.

Chair, Search Committee
Bone Marrow Transplantation Program
803 UMHC
Harvard Street at East River Road
Minneapolis, MN 55455

THE UNIVERSITY OF MINNESOTA IS AN EQUAL OPPORTUNITY EDUCATOR AND EMPLOYER AND SPECIFICALLY INVITES AND ENCOURAGES APPLICATIONS FROM WOMEN AND MINORITIES

Receptor Genetics, Inc.

Receptor Genetics, Inc., (R-GENE) is a rapidly growing biotechnology company located in Bethesda, MD. R-GENE collaborates closely with a research group directed by Dr. Mark R. Brann in the Laboratory of Molecular Biology, National Institute of Neurological Disorders and Stroke. Based on recent advances in molecular genetics, R-GENE is developing receptor-based assays of neuroactive drugs for use by the pharmaceutical industry. The initial focus of R-GENE is on acetylcholine dopamine and excitatory amino acid receptor agonists. A senior scientist with experience in transgenic animals and neuronal promotors is sought. Postdoctoral and technical positions are also available for individuals with experience in molecular pharmacology, molecular genetics, signal transduction, G-proteins and/or electrophysiology.

Please send your curriculum vitae and a statement of research interests to: Shirley Forehand, Business Manager, Receptor Genetics, Inc., c/o Lab of Molecular Biology, NINDS, Building 36, Room 3D-02, Bethesda, MD 20892.
FELLOW/SENIOR FELLOW—VIRAL IMMUNOLOGY
Division of Cell Biology
John Curtin School of Medical Research
Australian National University

A Divisional structure came into existence in the John Curtin School of Medical Research on 1 January 1989. The new Division of Cell Biology incorporates research programs from the former departments of Microbiology and Experimental Pathology. Investigation of immune responses to viral infections constituted a long-standing theme in these former departments and this theme will be continued. A Fellow or Senior Fellow is sought to participate in this research program. In particular, future work will involve analysis of the immunobiology of infection with flaviviruses and poxviruses. Preference will be given to applicants who have a consistent record of research achievement in fundamental cellular immunology pertinent to responses against viral infections with particular emphasis on experience with flaviviruses and poxviruses.

Closing date: 28 July 1989.
Ref: JC 10.5.3.

SALARY: Senior Fellow, A$44,086–A$55,814 p.a.
Fellow: A$36,205–A$44,025 p.a.

APPOINTMENT: tenurable.

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

Postdoctoral Fellowship in Developmental Lung Biology

The mandate of this position is to study the regulation of neuroendocrine functions in developing lungs. Candidates with a PhD should be experienced and trained in developmental biology, molecular biology, regulatory peptide expression and identification, cell culture techniques and have some background in biochemistry. Qualified professionals interested in pursuing this challenge are invited to submit a curriculum vitae and names of 3 referees, quoting file #D061, to:
Dr. Ernest Cutz, Department of Pathology, The Hospital for Sick Children, 555 University Avenue, Toronto, Ont, Canada M5G 1X8.

Regulatory Affairs Specialist

Immediate opening for an experienced Regulatory Affairs Specialist at Procter & Gamble’s Miami Valley Laboratories, Cincinnati. Ph.D. or equivalent research experience required in one of the drug development life or physical sciences.

Will work with FDA to expedite new chemical entities and drug delivery systems through Phase I and II clinical testing. As a member of drug research teams, he/she will develop regulatory strategies for our drug research efforts and provide leadership in preparing INDs and other regulatory submissions.

Experience required in successfully working with FDA’s drug reviewing divisions.

Familiarity preferred with FDA requirements in preparation of clinical supplies, drug stability testing, clinical/ nonclinical research, and adverse drug experience reporting.

Must be presently authorized to work in US on full-time basis. Send resume and publication list to:

Dr. T.J. Logan
Regulatory Position
THE PROCTER & GAMBLE COMPANY
P.O. Box 398707
Cincinnati, Ohio 45239-8707

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RESEARCH ASSOCIATE
DRUG DELIVERY

Amgen, one of the leading innovators in the research and development of human pharmaceuticals through recombinant DNA technology, has an immediate opportunity for a BS or MS level biochemist to join a new group involved in the design and development of novel formulation and delivery systems for protein and peptide-based pharmaceuticals. Responsibilities for this position will include the characterization of physical and chemical properties of proteins as well as formulation design.

Candidates for this position must have a BS or MS in Pharmacy, Pharmacology or a related discipline with experience in dosage form development, pre-formulation, formulation and/or pharmacological research. Experience with one or more of the following techniques is highly desirable: biochemical assays, chromatography, SDS-PAGE, ELISA, DSC, FTIR and light scattering. Some experience with research animals and peptide/protein-based drugs is also desirable.

Amgen offers a stimulating and challenging research environment as well as the unique opportunity to contribute to exciting research programs on the leading edge of biotechnology. Amgen also offers an excellent compensation and benefits package. If you would like to be a part of a company that maintains a commitment to scientific excellence and highly values its human resources, please send a resume, in confidence, to:

AMGEN, INC.
Recruitment, Dept. #398
1900 Oak Terrace Lane
Thousand Oaks
CA 91320

Equal Opportunity Employer
POSITIONS OPEN

POSTDOCTORAL RESEARCH ASSOCIATE

A position is available fall 1989 to study regulation of RNA stability by interferon. Antiviral and cell growth inhibitory activities of the 2'5' oligoadenylate-dependent RNase pathway will be explored. Recombinant DNA technology and a background in biochemistry and microbiology are required. Send current vita to: Dr. Robert H. Silverman, Department of Pathology, c/o Civilian Personnel, Uniformed Services University of the Health Sciences, 301 Jones Bridge Road, Bethesda, MD 20814-4799.

PROGRAM DIRECTOR IN BIOLOGY

The Department of Biology at Emory University seeks a new director. The successful candidate will have a Ph.D., a strong background in biology, knowledge of current research and practice in undergrad-

SCHOOL CLINICAL RESEARCH SCIENTIST

The successful applicant will take charge of an interdisciplinary team in the endocrinology clinical research unit. An M.D. degree and 4 years of experience in growth hormone physiology is required. He or she must have expertise in kmenometry and nonhuman primate physiology relating to growth and development, and in neuroendo
crinology and the role of growth hormone and other general axes. Also clinical research experience with growth hormone deficiency is required. Salary is commensurate with credentials and experience and an excellent benefits package is provided.

SUPERINTENDENT OF SOUTHERN EXPERIMENT STATION

The Minnesota Agricultural Experiment Station, University of Minnesota, is accepting applications for a 12-month, administrative position, as Superintendent of the Southern Experiment Station at Waseca, Minnesota, and associate director of the station. Applicants are requested to send their résumés in confidence to: Box 104, SCIENCE.
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