

**Assistant Professor in Physiology.** Department of Physiology and Biophysics, University of Illinois at Urbana-Champaign. Applications are invited for a full time, tenure-track position in molecular or cellular physiology at the assistant professor level starting August 1992. The successful candidate must hold a doctoral degree and is expected to develop a vigorous, independently funded research program and to participate in undergraduate and graduate teaching. She/he will join a strong department with broad expertise in cellular, molecular, and systems physiology. While a candidate with research interests in cellular and molecular aspects of cardiovascular physiology is preferred, candidates with interests outside this area will be considered. Salary will be commensurate with experience and qualifications. Deadline for receipt of applications is December 1, 1991. Interviews may take place before December 1, but all applications received by this date will be fully considered. Applicants should submit a curriculum vitae, list of publications, statement of future research plans, and names and phone numbers of at least three references to Dr. Philip M. Best, University of Illinois, Department of Physiology and Biophysics, 524 Burrill Hall, 407 S. Goodwin Ave., Urbana, IL 61801 (217-333-8176). Women and minority applicants are encouraged to apply. [EOAAE]

**Research Scientist.** Responsible for developing a nonradioactive technique for labeling and *in situ* hybridization in neuroglial cell cultures; preparing and maintaining glial cell culture; performing immunocytochemical and cell transfection studies; performing routine physiological and molecular biological experiments; analyzing data; preparing scientific reports and manuscripts. Candidate must have PhD in animal science physiology; documentation of at least 2 years post-doctoral research experience including biochemistry, molecular biology, and morphology; documented experience of at least 2 years in biochemistry (all types protein and enzyme assays, electrophoresis, receptor-binding analysis including equilibrium, kinetic, and competitive-displacement analysis); molecular biology (radioactive and nonradioactive *in situ* hybridization on tissue culture and fixed sections, RNA and DNA isolation and purification, Northern blot analysis); and morphology (14C and 3H-autoradiography, histochemistry and immunocytochemistry, Nissl, silver stain). Candidate also must have documented evidence of brain research and statistical and computer experience with

### Positions Available

There is a \$25 charge per issue for each position listed. A check or money order payable to the American Physiological Society must accompany the copy. Purchase orders will not be accepted unless accompanied by payment. Ads not prepaid will not be printed. Copy must be typed double-spaced and limited to 150 words. All copy is subject to the editorial policy of *The Physiologist*. EOAAE indicates Equal Opportunity/Affirmative Action Employer and appears only where given on original copy. Copy deadline: copy must reach the APS office before the 15th of the month, 2 months preceding the month of issue (e.g., before February 15 for the April issue). Mail copy to APS, 9650 Rockville Pike, Bethesda, MD 20814.

microcomputers. Salary \$26,000 per year for 40-hour week. Send resumes to 7310 Woodward Avenue, Room 415, Detroit, MI 48202. Reference #70191.

**Assistant Professor of Physiology.** The Department of Animal Biology, School of Veterinary Medicine at the University of Pennsylvania has a full-time tenure track opening for a physiologist to join an interactive, multidisciplinary department, within the biomedical community at the University of Pennsylvania. Individuals working at any level of analysis are encouraged to

apply, although the department's strength is at the cell/molecular level. Applicants should have a PhD or equivalent degree in physiology or related field and postdoctoral training, be prepared to maintain an independent, extramurally funded research program, and participate in departmental teaching. Send CV, names and addresses of three referees and a statement of research program to Dr. Michael Kotlikoff, Department of Animal Biology, School of Veterinary Medicine, University of Pennsylvania, Philadelphia, PA 19104-6046. [EOAAE]

**Chairman, Department of Physiology,** Georgetown University School of Medicine is seeking a new Chairman of the Department of Physiology. Candidates are expected to demonstrate the capacity for leadership of an active research program in molecular or cellular physiology and direct the teaching programs of the Department of Physiology which lead to MS, MD and PhD degrees. The Georgetown University Medical Center provides a strong environment in basic and clinical research and its expanding programs provide an environment conducive to growth in physiology. Individuals interested in this opportunity should apply to Dr. Jeffrey Cossman, Chairman, Physiology Search Committee, Georgetown University School of Medicine, 3900 Reservoir Road, N.W., Washington, DC 20007. [EOAAE]

### BOOKS RECEIVED

*Biology of Aging: Observations and Principles.* Robert Arking. Englewood Cliffs, NJ: Prentice Hall, 1991, 420 pp., illus., index, \$48.00.

*Multiple Muscle Systems: Biomechanics and Movement Organization.* Jack M. Winters and Savio L-Y. Woo (Editors). New York: Springer-Verlag, 1990, 801 pp., illus., index, \$69.00.

*The Beta-Adrenergic Receptors.* John P. Perkins (Editor). Clifton, NJ: Humana, 1991, 416 pp., illus., index, \$89.50.

*Myocardial Hypertrophy: A Symposium.* Eleanor L. Ison-Franklin and Harold Sandler (Editors). Washington, DC: Howard University Press, 1991, 219 pp., illus., index, \$60.00.

*Associated Human Reproductive Technology.* E. S. E. Hafez (Editor). Bristol, PA: Taylor & Francis Group, 1991, 266 pp., illus., index, \$99.50.

*New Developments in Fundamental and Applied Radiobiology.* Colin B. Seymour & Carmel Mothersill (Editors). Bristol, PA: Taylor & Francis Group, 1991, 448 pp., illus., index, \$88.00. (Proc. of the 23rd An-

nual Meeting of the European Society for Radiation Biology, Dublin, 1990).

*Diagnostic Pathology of the Liver and Biliary Tract.* Boris H. Ruebner, Carolyn K. Montgomery, and Samuel W. French (2nd ed.) Bristol, PA: Taylor & Francis Group, 1991, 492 pp., illus., index, \$125.00.

*Stress and Emotion: Anxiety, Anger, and Curiosity.* Vol. 14. Charles D. Spielberger, Irwin G. Sarason, Zsuzsanna Kulcsar, and Guus L. Van Heck (Editors). Bristol, PA: Taylor & Francis Group, 1991, 340 pp., illus., index, \$64.50.

*Imaging, Measurements, and Analysis of the Heart.* Samuel Sideman and Rafael Beyar (Editors). Bristol, PA: Taylor & Francis Group, 1991, 445 pp., illus., index, \$85.00.

*Free Radicals and Food Additives.* Okezie I. Aruoma and Barry Halliwell (Editors). Bristol, PA: Taylor & Francis Group, 1991, 201 pp., illus., index, \$77.00.

*Tinnitus: Diagnosis/Treatment.* Abraham Shulman, et al. Philadelphia, PA: Lea & Febiger, 1991, 571 pp., illus., index, \$95.00.