Research Associates in Space Biology. The current Space Shuttle Program has allowed the development of space biology science, which offers exceptional opportunities for research. The National Aeronautics and Space Administration is offering research associate awards at the postdoctoral level for scientists to conduct space biology research in a university laboratory or nongovernmental research institute of your choice that can provide the necessary facilities and research environment. Projects should be in the gravitational and space biology discipline. The awards are $20,000 for the first year and $22,000 for the second year if the renewal proposal is approved. Funding will begin July 1 to October 1, 1995. US citizens and permanent resident aliens with PhD, MD, DVM, DMD, or equivalent degrees are eligible to apply. Proposals are due February 15, 1995. *Information and application booklet:* Gerald Sonnenfeld, Department of General Surgery Research, Carolinas Medical Center, PO Box 32861, Charlotte, NC 28232. Tel: 704-355-2639; fax: 704-355-7203.

Pre- and Postdoctoral Positions. The Channel/Receptor/Transporter group (CRTG) at UC, Irvine (including the labs of M. Cahalan, K. G. Chandy, J. Gargus, A. Goldin, G. Gutman, J. Hall, and D. O'Dowd) has an active, multidisciplinary research program with a major focus on ion channels and substantial links with the pharmaceutical industry. The CRTG has attempted to create a training environment that encourages interactions between electrophysiologists, molecular biologists, cell biologists, and protein chemists. Trainees present their research in monthly group meetings. A major emphasis of our training program is to produce scientists equipped to work in either industrial or academic environments.

Applications are invited for six postdoctoral positions: 1) protein chemist to pursue the biochemical characterization and purification of ion channels for direct structural studies, 2) electrophysiologist to work on reconstitution and characterization of the biophysical properties of purified ion channels, 3) electrophysiologist to use site-specific mutagenesis along with patch-clamp methodology to delineate the structure of channel pores, 4) electrophysiologist to examine the role of alternative splicing in the regulation of ion channel function using whole cell recording and single cell PCR, 5) molecular biologist with an interest in defining the regulatory elements that control ion channel expression, and 6) cell physiologist to use video-imaging techniques to study cell signaling mechanisms. Applications are invited for six predoctoral positions to join an Ion Channel/Transporter/Signaling focus group.

Send curriculum vitae and names of three referees to: Mona Wapner, Department of Physiology and Biophysics, D340 Medical Sciences Building I, University of California, Irvine, CA 92717.

Postdoctoral Position in Physiology. A postdoctoral position is immediately available to join an active research group studying the neurohumoral regulation of the airway functions. Current studies are focused on 1) physiological and pharmacological properties of chemosensitive afferent endings in the airways and lungs; 2) neurogenic mechanisms of bronchial hyperreactivity caused by epithelial injury and inflammation; and 3) the role of endogenous inflammatory mediators, neuropeptides, and oxygen radicals in regulation of airway response to inhaled irritants. Background in respiratory physiology or/and neuroscience is desirable. Salary competitive and commensurate with experience. Applications accepted until position filled. Please send resume and names of two references to Lu-Yuan Lee, PhD, Department of Physiology, University of Kentucky Medical Center, Lexington, KY 40536-0084. Tel: 606-323-6339; fax: 606-323-1070. Minorities and women are encouraged to apply. EOAAE.

Research Associate. The Department of Biological Sciences is searching for a Research Associate 2 with a Ph.D. (or M.S. with extensive research experience) in one of the Biological Sciences (Biology, Zoology, Physiology, Molecular Biology) required. The project will include the molecular and physiological characterization of the Ca pump using a comparative (invertebrate) model. Candidates should have significant research background in general molecular and physiological techniques including the following: gene cloning and sequencing, enzyme kinetics, ion transport. First consideration will begin October 15 and the search will continue until the position is filled. Send curriculum vitae and names of two references to Dr. Michele G. Wheatley, Professor and Chair, Department of Biological Sciences, Wright State University, Dayton, OH 45435. Wright State is an Affirmative Action/Equal Opportunity Employer.

Positions Available

There is a $50 charge for each position listed. Positions will be listed in the next available issue of *The Physiologist* and immediately upon receipt on the APS Gopher Information Server. Listings will remain on the APS Information Server for 3 months.

A check or money order payable to the American Physiological Society must accompany the position listing. Purchase orders will not be accepted unless accompanied by payment. Ads not prepaid will not be printed. Copy must be typed double spaced and is 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 when given on original copy. Copy deadline: copy must reach the APS office before the 15th of the month, two months preceding the month of issue (e.g., before February 15th for the April issue). Mail copy to APS, The Physiologist, 9650 Rockville Pike, Bethesda, MD 20814-39911.