August 2003 Volume 8.8

CorNotes

CVI SEMINAR SERIES

No CVI Seminars will be held during August or September. We are also planning CVI seminars for the Fall. If you would like to host a speaker, please contact Dr. Cribbs at x72817.

CVI JOURNAL CLUB

August 14…..…Dr. Coaxum
August 28…….....Dr. Martin

For further information, contact Dr. Byron at x72819.

RECENT PUBLICATIONS FROM THE CVI

Despa, S., Bers, D.M. Na/K pump current and $[Na]_i$ in rabbit ventricular myocytes: Local $[Na]_i$ depletion and Na buffering. Biophys.J. 84(6):4157-4166, 2003.

Porter, M.J., Heidkamp, M.C., Scully, B.T., Patel, N., Martin, J.L., Samarel, A.M. Isoenzyme-selective regulation of SERCA2 gene expression by protein kinase C in neonatal rat ventricular myocytes. Am. J. Physiol. Cell Physiol. 285(1):C39-C47, 2003.

Bidani, A.K., Hacioglu, R., Abu-Amarah, I., Williamson, G.A., Loutzenhiser, R., Griffin, K.A. "Step" vs. "dynamic" autoregulation: implications for susceptibility to hypertensive injury. Am. J. Physiol. Renal Physiol. 285(1):F113-F120, 2003.

FROM THE NIH GUIDE

CELLULAR AND MOLECULAR IMAGING OF THE CARDIOVASCULAR, PULMONARY, AND HEMATOPOIETIC SYSTEMS (RFA-HL-04-003)

National Heart, Lung, and Blood Institute National Institute for Biomedical Imaging and Bioengineering Institute of Circulatory and Respiratory Health (ICRH), Canadian Institutes of Health Research.

INDEX: HEART, LUNG, BLOOD; BIOMEDICAL IMAGING, BIOENGINEERING; CIRCULATORY, RESPIRATORY HEALTH, CANADIAN INSTITUTES HEALTH RESEARCH

The National Heart, Lung and Blood Institute (NHLBI), in collaboration with the National Institute for Biomedical Imaging and Bioengineering (NIBIB)and the Institute of Circulatory and Respiratory Health (ICRH), invites applications for the development and application of novel cellular and molecular imaging probes and technologies to image the cardiovascular, pulmonary, and hematopoietic systems in vivo. This initiative seeks to take advantage of the rapid advances that have taken place in imaging technology, allowing normal and pathological processes to be studied in vivo at the molecular and cellular level. The initiative has two related goals. The first goal is to detect and quantify at the molecular and cellular level the cellular pathways that regulate heart, lung and blood function, and the abnormalities in these pathways occurring in heart, lung, blood and sleep disorders. The second goal is to develop new methods for cell tracking to monitor the movement and location of specific cell populations in vivo for application in cell-based therapeutics.

For more information about this RFA, see

http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-04-003.html