Sunday June 18, 1995. 5:00-6:00 Informal reception. Please bring a fruit plate, cheese, veggies, or other dish. Beverages will be provided.

Session I. Sunday P.M. Moderator: James Clack

7:45-8:00 Opening remarks: Thomas Cox

8:00-8:30 Sherry, Ann M. Molecular evidence for non-CFTR Cl channels in mouse lung. Dept. of Molecular and Cellular Physiology, University of Cincinnati College of Medicine, Cincinnati, OH 45267

8:30-8:40 Discussion

8:40-9:10 Willis, John S. Temperature compensation of passive Na/K permeation: revision of pump leak? Department of Cellular Biology, University of Georgia, Athens, GA 30602

9:10-9:20 Discussion.


9:50-10:00 Discussion
Session II. Monday AM.

Moderator: Mumtaz Dinno

8:30-9:00 Blazer-Yost, Bonnie. *Hormonal regulation of the amiloride-sensitive Na* \textsuperscript{+} \textit{channel}*. Dept. of Biology, 723 W. Michigan St., Indiana University-Purdue University, Indianapolis, IN 46202-5132

9:00-9:10 Discussion

9:10-9:40 Record, Rae and Bonnie Blazer-Yost. *Insulin-stimulated Na* \textsuperscript{+} \textit{transport in a model renal epithelium}*. Dept. of Biology, 723 W. Michigan St., Indiana University-Purdue University, Indianapolis, IN 46202-5132

9:40-9:50 Discussion

9:50-10:20 Clack, James. *Preliminary evidence for the existence of a cyclic nucleotide-gated cation channel in Xenopus A6 cells*. Department of Biology, Indiana University-Purdue University, Columbus, IN 47203.

10:20-10:30 Discussion

10:30-10:50 Coffee

10:50-11:20 Josephson, Ira. *Properties of gating currents in heart cells*. Department of Molecular & Cellular Physiology, University of Cincinnati College of Medicine, Cincinnati, OH 45267-0001

11:20-11:30 Discussion

11:30-12:00 Strofekova-Polakova, Katarina. *Characterization of gastric parietal cell K* \textsuperscript{+} \textit{channels}*. Dept. of Molecular and Cellular Physiology, University of Cincinnati College of Medicine, Cincinnati, OH 45267

12:00-12:10 Discussion

Session III. Monday P.M.

Moderator: Bonnie Blazer-Yost

7:30-8:00 Cuppoletti, John, Malinowska, Danuta. *Gastric chloride channels*. Dept. of Molecular and Cellular Physiology, University of Cincinnati College of Medicine, Cincinnati, OH 45267

8:00-8:10 Discussion
8:10-8:40 Carrasquer, Gaspar, Yang, S. Schwartz, M., Dinno, M.A. *Effect of mellitin on bioelectric parameters in frog cornea epithelium*. Departments of Medicine and Nephrology, University of Louisville, Louisville, KY 40292.

8:40-8:50 Discussion

8:50-9:20 Brown, Paul S. *Calcium interaction with sonicated vesicles consisting of defined lipid mixtures: Effect of ionophore A23187*. Department of Biology, Indiana University-Purdue University, Columbus, IN 47203.

9:20-9:30 Discussion

9:30-10:00 *Roundtable discussion on research grant and collaboration opportunities. The word from NIH and elsewhere*. John Cuppoletti, Thomas Cox, Bonnie Blazer-Yost

**Session IV. Tuesday AM**

Moderator: Ann Sherry

8:30-9:00 Diedrich, Don, Hoefner, D. Blank, M. *Photoaffinity labeling probe on red cell membranes labels band 3 and a 28 kD peptide*. Dept. of Pharmacology, Chandler Medical Center, University of Kentucky, MS 665, Lexington, KY 40536.

9:00-9:10 Discussion


9:40-9:50 Discussion

9:50-10:20 Soleimani, Manoocher and Gurinder Singh. *Effect of hypertonicity on Na/H exchanger isoform regulation*. Indiana University Medical Center, Dept of Medicine-Nephrology, Indianapolis, IN 46223

10:20-10:30 Discussion

10:30-10:50 **Coffee break**

10:50-11:20 Ingrid Grupp and Gunter Grupp. *Gene modulation and myocardial contractility*. Depts. of Molecular & Cellular Physiology and Pharmacology & Cell Biophysics, University of Cincinnati College of Medicine, Cincinnati, OH 45267-0001
11:20-11:30 Discussion

11:30-12:00 Schandelmeier, Greg and Thomas Cox. *Cation channels in membranes recovered from the acrosome reaction in boar sperm*. Department of Physiology, Southern Illinois University, Carbondale, IL 62901.

12:00-12:10 Discussion

6:00-7:30 Special dinner: A picnic style buffet dinner will be provided.
7:30-8:00 Business meeting

Session V. Tuesday P.M.

Moderator:

8:00-8:30 Cox, Thomas. *Purinergic receptors in larval frog skin*. Dept. of Physiology, Southern Illinois University School of Medicine, Carbondale, IL 62901.

8:30-8:40 Discussion

8:40-9:10 Jie-Guang, Chen, Coe, M., McAteer, J.A., Kempson, S.A. *Osmoregulation of system A amino acid transport in renal MDCK cells*. Department of Physiology, IUPUI, Indianapolis, IN 46202-5120

9:10-9:20 Discussion

We still have room for 2-3 more talks. Let us know so they can be included in the final program.