Greetings and Informal Reception

Sunday, June 15, 2003

Pumpkin Creek Lodge

5:00-6:45 pm (Central Time)

Meet old friends and make new ones. Beverages will be provided.

Bring your family!
Please bring something to share (fruit, veggies, cheese, dessert or other dish).
**SUNDAY EVENING June 15, 2003 - SESSION 1  Moderator: Bruce Schultz**

7:00-7:10pm  
*Opening remarks: Thomas Brown*

7:10-7:30  
**Hans G. Folkesson.**  
*Effect of cytokine release during intrauterine inflammation on preterm lung maturation with special emphasis on lung ion and fluid transport,*  
Department of Physiology, Northeastern Ohio Universities College of Medicine, Rootstown, Ohio

7:30-7:40  
*Discussion*

7:40-8:00  
**Snezana Petrovic.**  
*Solute Carrier 26 A7 in kidney,*  
Division of Nephrology and Hypertension, University of Cincinnati Medical Center, Cincinnati, Ohio

8:00-8:10  
*Discussion*

8:10-8:30  
**Joshua M.V. Mammen, J. Cecilia Song, Peter S. Kim, Harold Davis, Karl S. Matlin, Jeffrey B. Matthews.**  
*Ischemic Stress Induces Distinct Membrane and Cytoskeletal Targeting of PKCepsilon in Intestinal Epithelia Resulting in the Differential Activation of Substrates,*  
Department of Molecular and Cellular Physiology, University of Cincinnati, Cincinnati, Ohio

8:30-8:40  
*Discussion*

8:40-8:50  
*Coffee Break*

8:50-9:10  
**Shigeo Tamiya, L. Bozulic, N.A. Delamere.**  
*Regional distribution of Na,K-ATPase activity in the lens,*  
Department of Ophthalmology & Visual Sciences, University of Louisville, Louisville, Kentucky

9:10-9:20  
*Discussion*

9:20-9:40  
**Gaspar Carrasquer.**  
*Electrophysiological effects of ibuprofen on in-vitro membrane transport,*  
Department of Medicine, Division of Nephrology, University of Louisville, Louisville, Kentucky

9:40-9:50  
*Discussion*

9:50-10:10  
**James W. Clack, Junyu Li, Mu Wang, and Frank A. Witzmann.**  
*Post-translational Modifications of Retinal Transducin Beta Subunit,*  
Department of Biology, School of Science and Departments of Cellular & Integrative Physiology and Biochemistry & Molecular Biology, Indiana University School of Medicine, IUPUI, Indianapolis, Indiana

10:10-10:20  
*Discussion*
MONDAY MORNING - SESSION 2  Moderator: Hans Folkesson

9:00-9:20am  Dan Halm. Localization of K channels in the colonic mucosa. Department of Physiology and Biophysics, Wright State University, Dayton, Ohio

9:20:9:30  Discussion

9:30-9:50  M. Soleimani, S. Petrovic, S. Barone, Z. Wang, J. Xu and L. Ma. Bicarbonate transporters in the stomach. Department of Medicine, Division of Nephrology and Hypertension, University of Cincinnati, Cincinnati, Ohio

9:50:10:00  Discussion

10:00-10:20  Coffee Break

10:20-10:40  Roger Worrel. Colonic ion transport: Implications of ammonium. Department of Surgery, University of Cincinnati College of Medicine, Cincinnati, Ohio

10:40-10:50  Discussion

10:50-11:10  Rebecca Quesnell and Bruce Schultz. Glucocorticoids concentration- and time-dependently upregulate amiloride-sensitive ion transport across vas deferens. Department of Anatomy and Physiology, Kansas State University, College of Veterinary Medicine, Manhattan, Kansas

11:10-11:20  Discussion
MONDAY EVENING - SESSION 3  Moderator: Nicholas Delamere

7:30-7:50pm  Aidar R. Gosmanov and Donald B. Thomason, ATP-sensitive K-channels mediate hyperosmotic stimulation of NKCC in slow-twitch skeletal muscle. Department of Physiology, University of Tennessee, Memphis, Tennessee

7:50-8:00  Discussion

8:00-8:20  Norma C. Adragna, J. Zhang, Y. Chen, M. Morris, E. Delpire and P.K. Lauf. Characteristics of K-Cl cotransport in vascular smooth muscle cells and hypertension. Departments of Pharmacology and Toxicology, and Physiology and Biophysics, Wright State University, Dayton, OH and Department of Anesthesiology, Vanderbilt University, Nashville, Tennessee

8:20-8:30  Discussion

8:30-8:50  Nellie Byun and Eric Delpire, A role for KCC3 in Schwann cell development? Neuroscience Graduate Program and Department of Anesthesiology, Vanderbilt University, Nashville, Tennessee

8:50-9:00  Discussion

9:00-9:20  Kenneth B.E. Gagnon, Robert E.W. Fyffe, Norma C. Adragna, and Peter K. Lauf. Functional properties of the K-Cl cotransporter in a fibrous astrocyte in vitro model - rat C6 glioblastoma cell. Departments of Physiology & Biophysics, Anatomy, Pharmacology & Toxicology & Center for Brain Research, Wright State University, Dayton, Ohio

9:20-9:30  Discussion

9:30-10:00  Business Meeting-All meeting participants are encouraged to attend
**TUESDAY MORNING - SESSION 4  Moderator: Donald Thomason**

9:00-9:20am  **Eric Delpire,** Could cation-chloride cotransporters function as stress sensors?  Department of Anesthesiology, Vanderbilt University, Nashville, Tennessee

9:20-9:30  Discussion


9:50-10:00  Discussion

10:00-10:20  **Coffee Break**

10:20-10:40  **Nicholas A. Delamere.** Studies on calcium signaling responses following partial Na, K-ATPase inhibition.  Department of Ophthalmology and Visual Sciences, University of Louisville, Louisville, Kentucky

10:40-10:50  Discussion

10:50-11:10  **Michele G Wheatly** and Y. Gao. Epithelial calcium channels and crayfish moulting. Wright State University, Department of Biological Sciences, Dayton, Ohio

11:10-11:20  Discussion

11:20-11:40  **Thomas L. Brown,** Amy D. Gultice, Meredith A. Reedy and Tina Caserta. Q-VD-OPh, a novel broad spectrum caspase inhibitor with potent antiapoptotic properties. Department of Physiology and Biophysics, Wright State University, Dayton, Ohio
11:40-11:50 Discussion

TUESDAY EVENING, June 17th
5:30-7:00pm Family Barbecue
On the Activity Center Patio by Lure Lodge

TUESDAY EVENING – SESSION 5  Moderator: Eric Delpire

7:30-7:50pm  John Cuppoletti and Danuta H. Malinowska. Studies on airway epithelial CIC-2 chloride channels. Department of Molecular and Cellular Physiology, University of Cincinnati, Cincinnati, Ohio

7:50-8:00 Discussion

8:00-8:20 Zi-Jian Xie, Jian Tian, Ting Cai, and Mike Haas. Src interaction with sodium pump as a paradigm for studying the signaling function of membrane transporters., Department of Pharmacology and Medicine, Medical College of Ohio, Toledo, Ohio

8:20-8:30 Discussion

8:30-8:50 Coffee Break

8:50-9:10 Nicole J. Garbarini and Eric Delpire, Investigating novel protein interactions with KCC2. Neuroscience Graduate Program and Department of Anesthesiology, Vanderbilt University, Nashville, Tennessee

9:10-9:20 Discussion

9:20-9:40 Bruce Schultz. Mifepristone modulates anion transport mechanisms in vas deferens epithelial monolayers. Department of Anatomy and Physiology, Kansas State University, College of Veterinary Medicine, Manhattan, Kansas

9:40-9:50 Discussion
9:50 Final Remarks