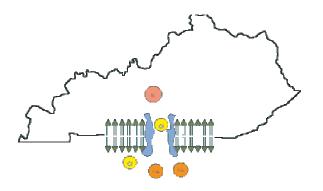
2015 Lake Cumberland Biological Transport Group



Let's Celebrate 50 years with our Pot Luck and live music: <u>Classic Rock</u>!

RP and Tornado Alley



from Nashville, TN.

Sunday, June 21: 5-00 - 6:30 Pot-Luck 6:30 - 8:30 Music

> Note the Change in Venue: at the Lake Cumberland State Dock!

Lake Cumberland Biological Transport Group June 21 - June 24, 2015 Pumpkin Lodge

Sunday June 22 – Evening "Remember tonight... for it is the beginning of always" Dante Alighieri

- 5:00 6:30 Pot Luck (Bring your favorite dish! <u>New location for Celebration: State Dock</u>)
 6:30 8:30 *RP and Tornado Alley* (Classic Rock Band Nashville)
- 8:45 9:00 **Pumpkin Lodge/Opening Remark** Eric Delpire Roger T. Worrell
- 9:00 9:30Mechanisms of Cerebral Bleeding Following Thrombolysis for Ischemic Stroke:
Implications for Treatment.
Darryl R. Peterson and Ernest J. Sukowski
Department of Physiology and Biophysics, Chicago Medical School, North Chicago.
- 9:30 10:00 Secretory activation in colon of BK channel knockout mice. Dan Halm Department of Neuroscience, Biology, and Physiology, Wright State University, Dayton, OH.

Monday June 22 - Morning"The brain is just the weight of God..." Emily DickinsonCHAIR: Dan Halm

- 8:30 9:00 Alteration of TRPV4 in an animal model of hydrocephalus. Joon (Simon) Shim, Ellen Maue, Shehab Ahmed, John Watson, Paul Territo, and Bonnie Blazer-Yost. Department of Biology, Indiana University-Purdue University Indianapolis.
- 9:00 9:30Characterization of ion transport in a choroid plexus cell line.
Shehab Ahmed and Bonnie Blazer-Yost
Department of Biology, Indiana University-Purdue University Indianapolis.
- 9:30 10:00
 Cation-chloride cotransporters and aquaporins in CSF secretion and K⁺ homeostasis by choroid plexus epithelial cells: the unanswered questions.
 F. Javier Alvarez-Leefmans, J. Crum, D. Cha, P. Patyal, and F. Alvarez
 Department of Pharmacology & Toxicology, Boonshoft School of Medicine, Wright State University, Dayton.

10:00 -10:30 **Refreshment Break** CHAIR: Eleanor Lederer

"Let your speech be always with grace, seasoned with salt" Colossians IV.6.

- 10:30 11:00Generation of a KCC3-T991A Knock-in mouse using CRISPR.
Eric Delpire and Bianca Flores
Department of Anesthesiology, Vanderbilt University School of Medicine, Nashville, TN
- 11:00 11:30 Effect of salt on blood pressure in aging.
 Syed Jalal Khundmiri, Sathnur B. Pushpakumar, Corey J. Ketchem, Utpal Sen, Eleanor Lederer Departments of Medicine and Physiology, University of Louisville, Louiville.

Monday afternoon - free

5:45 pm **Dinner**

Monday June 22 – Evening
CHAIR: Norma Adragna"Some beautiful paths can't be discovered without getting lost." Erol Ozan

- 8:00 8:30 **Imaging cancer metastasis with the sodium-iodide symporter (A tale of two rats)** Kenneth Gagnon Department of Anatomy and Cell Biology, University of Saskatchewan, Saskatoon, Canada.
- 8:30 9:00 Trek to the Apical Membrane: NpT2a and NHERF1 Corey J. Ketchem^{1,2,3}, Syed Jalal Khundmiri^{1,2,3}, Adam E. Gaweda², Rebecca Murray³, Barbara J. Clark⁴, Edward J. Weinman^{5,6}, Eleanor D. Lederer^{1,2,3}
 ¹Robley Rex VA Medical Center, Louisville; ²Department of Medicine, University of Louisville, Louisville; ³Department of Physiology and Biophysics, University of Louisville, Louisville; ⁴Department of Biochemistry and Molecular Biology, University of Louisville, Louisville; ⁵Baltimore VA Medical Center, Baltimore; ⁶Department of Medicine, University of Maryland, Baltimore.

9:00 - 9:15	Refreshment Break	"Without phosphorus, there would be no thought"
CHAIR: Eric Delpire		wrongly attributed to Büchner

- 9:15 9:45 Digesting the PTH-responsive phosphoproteome: Implications for renal phosphate reabsorption Rebecca Murray¹, Michael L. Merchant², Syed J. Khundmiri^{1,2}, Barbara J. Clark³, and Eleanor D. Lederer^{1,2,4} Departments of ¹Physiology & Biophysics, ²Medicine, ³Biochemistry & Molecular Biology, University of Louisville, Louisville, KY, ⁴Robley Rex VAMC, Louisville.
- 9:45 10:15 Inversin modulates transepithelial ion transport in mouse renal cells. <u>Nalini K</u>ulkarni, Rosamund Smith, and Bonnie Blazer-Yost Department of Biology, Indiana University-Purdue University Indianapolis, Eli Lilly and Company, Indianapolis.

Tuesday June 23 – Morning
CHAIR: Kenneth Gagnon"Remember me and smile, for it's better to forget than to remember me and
cry."Dr. Seuss

- 8:30 9:00 **Ubiquitin proteasome inhibition rescues expression and function of pendrin mutants** <u>Emanuele B</u>ernardinelli, Vanessa de Moraes, Silvia Dossena, Markus Paulmichl, Institute of Pharmacology & Toxicology, Paracelsus Medical University, Salzburg Austria
- 9:00 9:30 Role of O-Glucosylation in regulatory volume decrease <u>Davide Antonio Civello</u>¹, Roberta Costa¹, Tamas Nagy², Attila Miseta², Silvia Dossena¹, Markus Paulmichl¹.
 ¹Institute of Pharmacology and Toxicology, Paracelsus Medical University, Salzburg Austria.²Department of Laboratory Medicine, Faculty of Medicine, University of Pécs, Pecs, Hungary.

9:30 – 10:00 **Drug Transporter Profile in Kidney Proximal Tubules** <u>Giada Scantamburlo</u>¹ Charity Nofziger¹, Michaela Zopf¹, Silke Simon², Christoph Funk² and Markus Paulmichl¹ ¹Institute of Pharmacology & Toxicology, Paracelsus Medical University, Salzburg Austria ²Biotransformation and Drug Distribution, Roche Pharmaceutical Research and Early Development, F. Hoffmann-La Roche Ltd., Basel Switzerland

10:00 -10:30Refreshment Break"No disease that can be treated by diet should be treated by any other
means"CHAIR: Rebbeca Murraymeans"Maimonides

- 10:30 11:00 The Na/K Pump ATPase Bcl-2 Protein Connection.
 Peter K Lauf and Norma C. Adragna.
 Cell Biophysics Group, Wright State University Boonshoft School of Medicine.
- 11:00 11:30 Studies on Tuberous Sclerosis Complex Cellular Models
 Norma. C. Adragna¹ Jasser Alzhrani¹, Kristopher Kahle³ and Peter Lauf^{1,2}
 ¹Department of Pharmacology and Toxicology, ²Department of Pathology, Boonshoft School of Medicine, Wright State University, Dayton; ³Manton Center for Orphan Disease Research, Children's Hospital Boston, Boston, MA.

Tuesday afternoon - free

Tuesday June 23 – Evening CHAIR: Darryl Peterson"Don't cry because it's over, smile because it happened."Dr. Seuss			
7:30 - 8:00	Dysregulation of <i>SLC9A3</i> and acid-base transport in Pediatric Eosinophilic Esophagitis <u>Simone Vanoni</u> ¹ Chang Zeng ^{1,2} , David Wu ¹ , Taeko Noah ¹ , Lisa Waggoner ¹ , Artem Barski ¹ , Andrey Kartashov ¹ , Mark Rochman ¹ , Joseph Sherrill ¹ , Marc E. Rothenberg ¹ , Simon P. Hogan ¹ ¹ Division of allergy and immunology, department of pediatrics, Cincinnati Children's Hospital Medical Center, Cincinnati, OH. ² Department of pharmacology and cell biophysics, University of Cincinnati, College of medicine, Cincinnati, OH.		
8:00 - 8:30	Functional homologies between Transducin and other XTPase proteins James W. Clack Division of Science, Indiana University – Purdue University		
8:30 - 9:00	Microbiota and Host Cell Signaling Roger T. Worrell Department of Physiology, University of Cincinnati, Cincinnati, OH.		
9:00 - 9:15	Concluding Remarks – turning over the leaf for another 50 years Manoocher Soleimani, Chair - 2016 Meeting		
9:15 – 9:30	Business Meeting		
	Reports Meeting Dates for 2018 Election of Vice-Chair for 2016		
9:30 -	Refreshments & Mingling Time		

Wednesday June 24 – Enjoy the Park and Lake – Safe Travels Home.