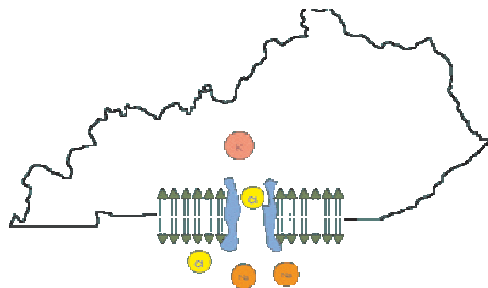


# Celebrating 50 years Lake Cumberland Biological Transport Group



## RP and Tornado Alley



*Many Thanks to Steve Peluso*

*Featuring: Rafe Hyatt*

*R.P. Stowers*

*Travis Chollimon*

*Rick Kleiner*

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

6:30 - 8:30 Music

at the Lake Cumberland State Dock!





**Monday afternoon – free**

5:45 pm **Dinner**

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

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<sup>1,2,3</sup>, Syed Jalal Khundmiri<sup>1,2,3</sup>, Adam E. Gaweda<sup>2</sup>, Rebecca Murray<sup>3</sup>, Barbara J. Clark<sup>4</sup>, Edward J. Weinman<sup>5,6</sup>, Eleanor D. Lederer<sup>1,2,3</sup>  
<sup>1</sup>Robley Rex VA Medical Center, Louisville; <sup>2</sup>Department of Medicine, University of Louisville, Louisville; <sup>3</sup>Department of Physiology and Biophysics, University of Louisville, Louisville; <sup>4</sup>Department of Biochemistry and Molecular Biology, University of Louisville, Louisville; <sup>5</sup>Baltimore VA Medical Center, Baltimore; <sup>6</sup>Department 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 Murray<sup>1</sup>, Michael L. Merchant<sup>2</sup>, Syed J. Khundmiri<sup>1,2</sup>, Barbara J. Clark<sup>3</sup>, and Eleanor D. Lederer<sup>1,2,4</sup>  
Departments of <sup>1</sup>Physiology & Biophysics, <sup>2</sup>Medicine, <sup>3</sup>Biochemistry & Molecular Biology, University of Louisville, Louisville, KY, <sup>4</sup>Robley Rex VAMC, Louisville.

9:45 – 10:15 **Inversin modulates transepithelial ion transport in mouse renal cells.**  
Nalini Kulkarni, Rosamund Smith, and Bonnie Blazer-Yost  
Department of Biology, Indiana University-Purdue University Indianapolis, Eli Lilly and Company, Indianapolis.

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

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 – 9:30 **Characterization 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<sup>+</sup> 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**    *“No disease that can be treated by diet should be treated by any other means”*    Maimonides  
CHAIR: Rebecca Murray

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. Adragna<sup>1</sup> Jasser Alzhrani<sup>1</sup>, Kristopher Kahle<sup>3</sup> and Peter Lauf<sup>1,2</sup>  
<sup>1</sup>Department of Pharmacology and Toxicology, <sup>2</sup>Department of Pathology, Boonshoft School of Medicine, Wright State University, Dayton; <sup>3</sup>Manton Center for Orphan Disease Research, Children’s Hospital Boston, Boston, MA.

**Tuesday afternoon – free**

**Tuesday June 23 – Evening**    *“Don't cry because it's over, smile because it happened.”*    Dr. Seuss  
CHAIR: Darryl Peterson

7:30 – 8:00    **Secretory activation in colon of BK channel knockout mice.**  
Dan Halm  
Department of Neuroscience, Biology, and Physiology, Wright State University, Dayton, 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.**