

LAKE CUMBERLAND BIOLOGICAL TRANSPORT GROUP 2012

SUNDAY JUNE 17 – TUESDAY JUNE 19

CHAIR: Eleanor Lederer
VICE CHAIR: Silvia Dossena
CHAIR EMERITUS: Charity Nofziger

SUPPORTED BY:

Greetings and Registration
Sunday June 17th
Pumpkin Creek Lodge

5:00 – 6:30 PM (Central Daylight Time)

Bring your family/colleagues and something to share
(fruit, vegetables, cheese, dessert or entrée)

Beverages & table service will be provided



LAKE CUMBERLAND BIOLOGICAL TRANSPORT GROUP 2012

SESSION LOCATION: PUMPKIN CREEK LODGE

SUNDAY, JUNE 17

6:30 – 6:40 PM Welcoming Remarks. *Eleanor Lederer*

Session Chair: *Markus Paulmichl and Melinda Engevik*

6:40 – 7:10 PM Amy Engevik University of Cincinnati
“Gastric Sonic Hedgehog Acts as a Chemoattractant for Macrophages During Ulcer Repair”

7:10 – 7:40 PM Mike Schumaker University of Cincinnati
“Gastric Sonic Hedgehog Acts as a Macrophage Chemoattractant During the Immune Response to Helicobacter pylori Infection”

7:40 - 8:10 PM Rui Feng University of Cincinnati
“Indian Hedgehog signaling mediates gastrin-induced proliferation contributing to epithelial regeneration during wound healing”

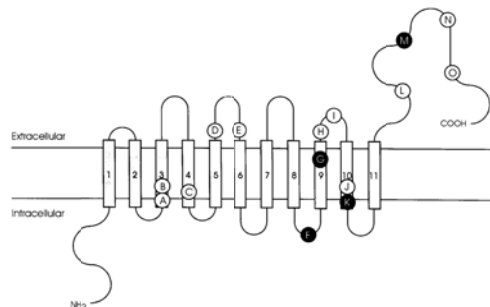
8:10 – 8:30 PM Break

Session Chair: *Eric Delpire and Roger Worrell*

8:30 – 9:00 PM Frank Potet Vanderbilt University
“Molecular Basis of NaV1.5 Calcium Modulation”

9:00 – 9:30 PM Sabina Kupersmidt Vanderbilt University
“Novel Approaches to Therapy for hERG Related Arrhythmias”

9:30 – 10:00 PM Jose Ponce-Coria and Eric Delpire Vanderbilt University
“Are monomers or dimers the functional units of SPAK?”



MONDAY, JUNE 18 (MORNING)

Session Chair: *Eleanor Lederer and Silvia Dossena*

7:45 – 8:30 Breakfast (Pumpkin Creek Lodge)

8:30 – 9:00 AM James Clack Indiana University
“Preliminary studies of incremental and decremental photoresponses elicited from dark- and light-adapted vertebrate rods”

9:00 – 9:30 AM Jinlong Ding, Jose-Ponce Coria and Eric Delpire Vanderbilt University
“Role of KCC3 in the hereditary sensory motor neuropathy: HSMN/ACC”

9:30 - 10:00 AM Rene Raphemot Vanderbilt University
“Small-molecule inhibition of the diuretic response in mosquitoes”

10:00– 10:15 AM Break

Session Chair: *Bonnie Blazer-Yost and Manoocher Soleimani*

10:15 – 10:45 AM Stephanie Flaig Indiana University
“Development of therapies to treat polycystic kidney disease”

10:45 – 11:15 AM Shanta Lewis Indiana University
“Effects of Carbon Nanotubes on Transepithelial Electrical Resistance in Barrier Epithelial Cells”

11:15 – 11:45 AM Peter K Lauf and Norma C Adragna Wright State
“Implications of the presence of chelerythrine binding sites on the human Na/K pump”

11:45 AM **GROUP PHOTO: PUMPKIN CREEK LODGE**

5:00 – 6:15 PM **FAMILY DINNER: “THE LODGE” dining room**

MONDAY, JUNE 18 (EVENING)

Session Chair: *Norma Adragna and Jerod Denton*

6:30 – 7:00 PM Silvia Dossena Paracelsus Medical University
“Integrins and ICln: Role in Regulatory Volume Decrease”

7:00 – 7:30 PM Emanuele Bernardinelli Paracelsus Medical University
“Operons in *C. elegans*: a tool to identify functionally related proteins”

- 7:30 – 8:00 PM Giada Scantamburlo Paracelsus Medical University
"LIPT2, a new interacting partner for ICLn"
- 8:00 – 8:15 PM Break
- Session Chair: *Charity Nofziger and Syed Jalal Khundmiri*
- 8:15 – 8:45 PM Rachel Grisham, Syed Jalal Khundmiri, and Eleanor Lederer University of Louisville
"Role of SNARE proteins in Npt2a trafficking"
- 8:45 – 9:15 PM Rebecca Murray, Syed Jalal Khundmiri, Eleanor Lederer, and Barbara Clark
University of Louisville "PTH regulation of Npt2a mRNA"
- 9:15 – 9:45 PM Robert Parker Wright State
"Secretagog Modulation of Acid Secretion in the Distal Colon"

TUESDAY, JUNE 19 (MORNING)

- Session Chair: *Jim Clack and Peter Lauf*
- 7:45 – 8:30 Breakfast (Pumpkin Creek Lodge)
- 8:30 - 9:00 AM Simone Vanoni Paracelsus Medical University
"Transcriptional Regulation of Pendrin"
- 9:00 – 9:30 AM Manoocher Soleimani University of Cincinnati
"Double Knockout of Pendrin and NCC Causes Severe Volume Depletion, Renal Failure and Metabolic Alkalosis: A Novel Target for Diuretic Therapy"
- 9:30 – 10:00 AM Dan Halm Wright State
"Role of the BK channel in Colonic K Secretion"
- 10:00 – 10:20 AM Break
- Session Chair: *Dan Halm and Sabina Kuperschmidt*
- 10:20 – 10:50 AM Norma C Adragna and Peter K Lauf Wright State
"Significance of KCC2a expression in a human lens epithelial cell culture"
- 10:50 – 11:20 AM Neelima Sharma, Peter K Lauf and Norma C Adragna Wright State
"Effect of Apelin on Vascular Smooth Muscle Cell K-Cl Cotransport"

11:20 – 11:40 AM Syed Jalal Khundmiri University of Louisville
“Role of AT1R in regulation of Na-K ATPase by ouabain”

11:40 – 12:10 PM Michael Merchant University of Louisville
“Glucose modified kinin regulation of ouabain sensitive Na⁺ transport in renal tubular cells.”

TUESDAY, JUNE 19 (EVENING)

Session Chair: *Peter Lauf and Norma Adragna*

7:00 – 7:30 PM Roger Worrell University of Cincinnati
“NHE2, NHE3 & cH/K-ATPase in colonic ammonium transport”

7:30 – 8:00 PM Melinda Engevik University of Cincinnati
“NHE3-deficiency Alters Gut Microbiota Community Dynamics”

8:00 – 8:30 PM Break

8:30 – 9:00 PM BUSINESS MEETING
TREASURER'S REPORT: *Roger Worrell*
ELECTIONS: *Eleanor Lederer*
CLOSING REMARKS: *Silvia Dossena*

FUTURE MEETINGS:

2013: Sunday June 16 - Tuesday June 19 Chair: Silvia Dossena; Vice Chair: TBA
2014: Sunday June 22 – Tuesday June 24 Chair: TBA; Vice Chair: TBA

