

ABC Workshop 2006 Program

September 21, 2006

9:00 –10:00 **Registration**

10AM-12 PM

10AM **Welcome** **Michael Dean**

10:15 **Session 1** **Introduction**

10:45 Talk 1 Da-wei Zhang
Sterol Efflux by the ABCG5 and ABCG8 transporters

11:05 Talk 2 Aarti Bhatia
Analysis of the Signature Sequence Motif of the Human ABC Half-Transporter ABCG2

11:25 Talk 3 Anna Maria Calcagno
Single-step selection with doxorubicin causes overexpression of *ABCG2* in MCF-7 cells

11:45 Talk 4 Balasubramanian Poonkuzhali
Novel SNPs in the *BCRP/ABCG2* promoter and intron 1 associated with *BCRP* RNA expression in multiple tissues.

12-1:30 Lunch Break in the Café and Posters

1:30-3:10 **Session 2**

1:30 Talk 5 Suneet Shukla
Cloning and functional characterization of human *ABCG2* ortholog in a fungal pathogen, *Candida albicans*

1:50 Talk 6 Christian M. Paumi
Identification of Proteins that Interact with the ABC Transporter Ycf1p, Using the Membrane Yeast Two-Hybrid (MbYTH) Split-Ubiquitin System

2:10 Talk 7 Jody Tucker Mack
ABCA2 knockout mice display tremor and hyperactivity

2:30 Talk 8 Dominik Barthelme
RNA-binding And Oligomerization of ABCE1 From *Sulfolobus Solfataricus*

2:50 Talk 9 Tamas Hegedus
Phosphorylation sensitive antibodies as novel tools to study subtle aspects of CFTR R domain function

3:10-4:30 Break and Posters

4:30-5:50

Session 3

4:30

Talk 10 Amas Aranyi
Transcriptional regulation of the human *ABCC6* gene

4:50

Talk 11 Paul Bandler
Identification of elements involved in plasma membrane targeting of human
Multidrug Resistance Proteins, MRP1 and MRP2

5:10

Talk 12 Elizabeth Hopper-Borge
Human Multidrug Resistance Protein 7 (*ABCC10*) is a Resistance Factor for
Nucleotide Analogs and Etoposide B

5:30

Talk 13 Isabelle Letourneau
A conserved cytoplasmic proline residue plays a role in signaling between
substrate binding sites and the nucleotide binding domains of MRP1, MRP2 and
MRP3

Transportation to Hotel/Dinner – Hampton Inn Frederick

September 22, 2006

- 9-10:30 **Session 4**
- 9:00 **Introduction**
- 9:30 Talk 14 Jerika T. Lam
Evaluation of *ABCC2* and *ABCC4* Expression in MDCK and MDCK-MRP2 Exposed to Tenofovir and Ritonavir
- 9:50 Talk 15 Alice Rothnie
Mechanistic differences between GSH transport and GSH modulated transport by MRP1 (*ABCC1*).
- 10:10 Talk 16 Mebrahtu Sibhatu
The role(s) of multidrug resistance protein 1 (MRP1) and glutathione S-transferase (GST) P1-1 in cellular response to chemopreventive isothiocyanates (ITC's)
- 10:30-11 Break
- 11-12:40 **Session 5**
- 11:00 **Sharon Terry- PXE International**
- 11:30 Talk 17 Peter Chiba
Drug recognition and transport by multispecific drug efflux transporters
- 11:50 Talk 18 Anika Maria Sophie Hartz
P-glycoprotein at the blood-brain barrier: a risk factor for Alzheimer's disease?
- 12:20 Talk 19 Partha Krishnamurthy
Identification of a Mammalian Mitochondrial Heme Transporter
- 12:40-2:15 Lunch and Posters
- 2:15-4:05 **Session 6**
- 2:15 Talk 20 Debjani Mandal
Identification of Amino Acid Residues Involved in Functional Modulation of the Human Multidrug Transporter
- 2:45 Talk 21 Misunori Okabe
Profiling *SLC22* and *SLCO* genes in the NCI-60 cancer cell lines to identify candidate substrates
- 3:05 Talk 22 Greg Tomblin
Using Novel Analogues of Tetramethylrosamine to Probe P-glycoprotein Mechanism.

3:25 Talk 23 Yoshi Wakabayashi
rab11a and myosin Vb regulate constitutive apical cycling of Bsep in polarized
hepatic WIF-B9 cells

3:45 Talk 24 Kin Wah To
Epigenetic regulation of *ABCG2* expression in cancer cells

Conference Ends