

**Multidrug Resistance and ABC Transporters
Baltimore, MD**

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Wednesday, November 5, 2008

- 8:15 Registration
- 9:00 Welcome and introduction to scope of the meeting — Dr. Suresh Ambudkar
- 9:10 **Keynote speaker: Dr. Michael Gottesman** – *Current status of MDR and ABC transporters*
- 9:45 **Dr. Suresh Ambudkar** – *Mechanism of action of MDR-linked ABC drug transporters*
- 10:20 **Dr. Robert Innis** – *Positron emission Tomographic imaging of drug efflux transporters*
- 10:55 Coffee Break
- 11:15 **Dr. David Miller** – *Regulation of P-glycoprotein and other ABC drug transporters at the blood-brain barrier*
- 11:50 **Dr. Demian Park** – *Zebrafish: A predictive model for assessing modulators of P-glycoprotein efflux*
- 12:05 **Dr. Zhe-Sheng (Jason) Chen** – *Tyrosine kinase inhibitors as modulators of multidrug resistance in cancer*
- 12:25 Lunch Break
- 1:15 **Dr. Wilfred Stein** – *Polymorphisms within PfMDR1 alter the substrate specificity for antimalarial drugs in Plasmodium falciparum*
- 1:50 **Dr. Maria Baer** – *Clinical and therapeutic implications of multidrug resistance-associated ABC drug transporters*
- 2:25 **Ms. Maria Fabiana De Rosa** – *Inhibition of MDR1 as possible therapy for Fabry Disease*
- 2:40 **Dr. Daotai Nie** – *The role of PXR in cancer multidrug resistance*
- 3:00 Coffee break
- 3:20 **Dr. Gilbert Burckart** – *Drug-drug interactions and regulatory implications for membrane transporter substrates in drug development*
- 3:55 **Dr. Anne-Marie Bleau** – *Loss of PTEN increases ABCG2 activity in glioma tumor stem cells and contributes to the MDR phenotype*
- 4:10 **Dr. Robert Robey** – *Novel Inhibitors of ABCG2 identified by high-throughput screening analysis*
- 4:25 **Dr. Tian-Yong Zhao** – *Multidrug Resistance-associated Protein 1 (Mrp1) Localizes in Junction of Cultured HL1 Cells and Mediates Doxorubicin Induced Stress Signal Transmission between Cells*
- 4:40 Reception and poster session