



The Southern California Drug Metabolism Discussion Group
Presents:

Drug Transporters: In Vitro and Knockout Model Systems, Pharmacogenomics, and Clinical Relevance

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Drug transporters are now widely appreciated as important determinants governing drug absorption, excretion, and in many cases, extent of drug entry into target organs. There is also a greater appreciation that altered drug transporter function, whether due to genetic polymorphisms, drug-drug interactions, or environmental factors such as dietary constituents, can in many cases result in unexpected drug-induced toxicity in vivo. Not surprisingly, various regulatory agencies including the FDA have become much more aware of the need to better understand the relevance of certain drug transporters as a risk factor for unexpected drug toxicity or drug interactions.

In this presentation, key drug transporters of relevance to ADME will be outlined, with particular focus on the Organic Anion Transporting Polypeptide (OATP) family of drug uptake transporters, efflux transporters such as MDR1, as well as recently identified transporters including OST alpha/beta and MATE1. Importantly, a number of in vitro cell-based systems used for assessing such transporters as well as recent advances in transporter knockout mouse models will be outlined. In addition, the clinical relevance of drug transporters will also be discussed.

Tuesday, April 19, 2011

5:00 pm: Registration/Bufferet

7:00 pm: Presentation Begins

Salk Institute for Biological Studies (La Jolla)

Frederic de Hoffman Auditorium

10010 North Torrey Pines Road

La Jolla, CA 92037

Price: \$20 Registration (includes buffet dinner and soft drinks)

The SCDMDG was established in 2003 as a forum for Southern California scientists working in drug metabolism in both academic and industrial settings to meet and discuss issues and share information for the public good.



Space is Limited— Please Register Early to Guarantee Your Attendance!

To Register for SCDMDG – R. Kim, April 19, 2011, send payment with this form to:
5310 Eastgate Mall, San Diego, CA 92121

\$20/person in advance or at the door. Please make **CHECKS** payable to SCDMDG.

For more information •phone 858.458.9305 •e-mail: registration@scdmdg.org •website www.scdmdg.org

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