



The Southern California Drug Metabolism Discussion Group

Presents

## Predicting Drug Disposition via Application of BCS: Transport/Absorption/Elimination Interplay and BDDCS

Dr. Leslie Benet, Ph.D.

Professor, Department of Biopharmaceutical Sciences, UCSF

Dr. Benet will examine the utility of the Biopharmaceutics Classification System (BCS) and help you understand:

- The Biopharmaceutics Classification System (BCS) – A system for predicting *in vivo* performance of drug products from *in vitro* measurements
- Slight modifications of such a Classification system can be useful in predicting
  - Routes of drug elimination
  - The effects of efflux and absorptive transporters on oral drug absorption
  - When transporter-enzyme interplay will yield clinically significant effects
  - Transporter effects on post-absorptive systemic drug concentrations
  - Drug-drug interaction potential via the relationship to enzyme-transporter interplay

Dr. Benet, Professor, Department of Biopharmaceutical Sciences, UCSF and Founder of AvMax, Inc., received honorary doctorates from five Universities: Uppsala (1987), Leiden (1995), Illinois at Chicago and PCP&S (1997) and Long Island (1999). During 1986, Dr. Benet was a founder and first President of AAPS. In 1987 he was elected to membership in the Institute of Medicine of the U.S. National Academy of Sciences. His many awards include: AAPS Distinguished Pharmaceutical Scientist (1989); AACP Volwiler Research Achievement (1991); ASCPT Rawls-Palmer Award (1995); APhA Higuchi Research Prize (2000); AAPS Wurster Award in Pharmaceutics (2000); FIP Høst-Madsen Medal (2001); recognized among the 250 most cited pharmacologists, world-wide (2003); PSWC Research Achievement and CRS Career Achievement in Oral Drug Delivery (2004). His research interests, more than 450 publications and 10 patents are in the areas of pharmacokinetics, biopharmaceutics, drug delivery and pharmacodynamics.

**Wednesday, September 29, 2004**

**Buffet: 5 pm**

**Presentation begins: 7 pm**

**Location: To be announced**

Price: \$15 Advance Registration, \$25 At the Door (includes buffet dinner and soft drinks/beer/wine)

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.

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

**To Register** for SCDMDG-Leslie Benet, September 29, 2004 send payment with this form to:

✉ Mail: 5310 Eastgate Mall, San Diego, CA 92121

*\$15/person in Advance, \$25 at the Door. Please make **CHECKS** payable to SCDMDG.*

**Deadline** for registration is September 21, 2004

Name(s) \_\_\_\_\_  
Company \_\_\_\_\_  
Address \_\_\_\_\_  
Phone \_\_\_\_\_ E-mail \_\_\_\_\_  
# Attending \_\_\_\_\_ Amount Enclosed \$ \_\_\_\_\_