



## Deanna Kroetz, Ph.D.

**Training:** She received her B.S. degree in Pharmacy from Ohio State University and her Ph.D. in Pharmaceutics from the University of Washington. Dr. Kroetz was a PRAT Fellow in the Laboratory of Molecular Carcinogenesis at the National Cancer Institute under the mentorship of Dr. Frank Gonzalez before joining the faculty at the UCSF.

**Department and Position:** Professor and Vice Chair in the Department of Biopharmaceutical Sciences in the School of Pharmacy at the University of California, San Francisco.

**Career Profile:** Dr. Kroetz's research interests are broadly in the area of drug metabolism, drug transport and pharmacogenetics. She is the Co-PI of the Pharmacogenetics of Membrane Transporters project funded by NIH as part of the Pharmacogenetics Research Network (PGRN). Current efforts in pharmacogenetics are focused on the functional effects of polymorphisms in the ABC transporters, and association of drug transporter and metabolizing enzyme polymorphisms with drug-induced toxicity. She is leading a national effort in the PGRN to establish drug toxicity surveillance mechanisms to identify cases of pediatric adverse drug events for the study of their genetic determinants. In collaboration with David Bangsberg, she is examining differences in response to antiretroviral therapy in Uganda and San Francisco. The goal of this work is to understand the factors that influence the response to antiretrovirals in a resource poor setting, so that therapy can be optimized in the large number of HIV infected patients in this area. Dr. Kroetz is also a member of the Pharmacology and Experimental Therapeutics committee of the Cancer and Leukemia Group B (CALGB) clinical trials network and serves as the principal investigator for several pharmacogenetics correlative studies on CALGB Phase III breast cancer studies and a retrospective pharmacogenetic analysis in AML. Dr. Kroetz has received numerous awards, including the AAPS New Investigator Award in Pharmacokinetics, Pharmacodynamics and Drug Metabolism, the Josephine Failer Award from the Ohio State University Alumni Association and the Leon Goldberg Young Investigator Award from the American Society for Clinical Pharmacology and Therapeutics. Dr. Kroetz currently serves on the editorial board of *Clinical Pharmacology and Therapeutics* and is on the Board of Directors of the American Society for Clinical Pharmacology and Therapeutics. Teaching responsibilities include pharmacokinetics to professional pharmacy students and drug metabolism and transport to graduate students in the Pharmaceutical Sciences and Pharmacogenomics graduate program.

**Personal Profile:** Deanna Kroetz is married to Jeffrey Silverman who is a Senior Director of Pharmacology at Sunesis Pharmaceuticals. They have two sons, Nathan (age 10) and Matthew (age 7) and reside in Burlingame. "Spare" time is spent hiking, camping, skiing and scuba diving with her family.

