

BIOMEDICAL SIMULATIONS RESOURCE
UNIVERSITY OF SOUTHERN CALIFORNIA

Software Short Course On

**MODELING AND DATA ANALYSIS IN
PHARMACOKINETICS AND PHARMACODYNAMICS
USING ADAPT II**

May 15 – 16, 1992

Marina International Hotel
4200 Admiralty Way
Marina del Rey, California

Sponsored by

BIOMEDICAL RESEARCH TECHNOLOGY PROGRAM
NATIONAL CENTER FOR RESEARCH RESOURCES
NATIONAL INSTITUTES OF HEALTH

Chairman and Organizer:
David Z. D'Argenio, Ph.D.
Co-Director, Biomedical Simulations Resource

ADAPT II Short Course Schedule

Friday, May 15, 1992

9:00	Welcome and Meeting Overview	David Z. D'Argenio
9:15	History and Overview of ADAPT II	David Z. D'Argenio
9:30	Modeling with ADAPT II	David Z. D'Argenio
10:15	Break	
10:30	Pharmacokinetic/Pharmacodynamic Models	Alan Forrest
11:00	Case Study: Pharmacodynamic Models	Alan Forrest
12:00	Lunch Break	
1:30	Nonlinear Parameter Estimation	Darryl Katz
2:30	Case Study: Bayesian Estimation	Darryl Katz
3:15	Break	
3:30	Case Study: Multiple Outputs	David Z. D'Argenio
4:15	Case Study: Matrix Exponential Solution	David Z. D'Argenio
5:00	Reception	

ADAPT II Short Course Schedule

Saturday, May 16, 1992

9:00	Design of Experiments	Alan Schumitzky
9:45	Case Study: Sample Schedule Design	Alan Schumitzky
10:30	Break	
10:45	Population Simulation	David Z. D'Argenio
11:15	Case Study: Organ Uptake Simulation	David Z. D'Argenio
12:00	Lunch Break	
1:30	Advanced Modeling Features of ADAPT II	David Z. D'Argenio
2:15	Case Study: Measured Model Inputs	Daniel C. Maneval
2:45	Case Study: Urinary Measurements	Daniel C. Maneval
3:15	Break	
3:30	Case Study: Time Delays	Alan Forrest
4:15	Case Study: Modeling with Covariates	Alan Forrest
5:00	Closing Discussion	David Z. D'Argenio
5:15	Reception	

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