Pharmacokinetic/Pharmcodynamic Modeling with ADAPT 5

University of Pittsburgh Cancer Institute
9-10 June 2009

Course Instructor

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Preface

The Short Course is intended for basic and clinical research scientists who are involved with the application of modeling, and data analysis methods for understanding drug kinetics and drug response. Background lectures will cover the following topics: individual subject estimation - least squares, maximum likelihood, and Bayesian; population modeling – theory and applications; population modeling with covariates. Illustrations will give the participants a thorough exposure to the broad class of pharmacokinetic/pharmacodynamic modeling and data analysis problems that can be solved using the ADAPT 5 software for PK/PD modeling.

David Z. D'Argenio
Los Angeles

PK/PD Modeling with ADAPT 5
Tuesday, 9 June 2009

9:00 Background: **Modeling with ADAPT 5**

10:00 Illustration: **Metabolite Modeling**

10:45 **Break**

11:00 Background: **Individual Estimation**

12:00 **Lunch Break**

PK/PD Modeling with ADAPT 5
Tuesday, 9 June 2009

1:00 Illustration: **ML/WLS/MAP Estimation**

1:30 Illustration: **PK/PD Modeling**

2:15 **Break**

2:30 Background: **Population PK/PD Modeling**

3:45 Illustration: **The ADAPT Population Programs**

5:00 **Adjourn**

PK/PD Modeling with ADAPT 5
Wednesday, 10 June 2009

9:00	Background:	**Population Modeling w/ Covariates**
9:30	Illustration:	**Modeling Building with Covariates**
10:30	**Break**	
10:45	Illustration:	**Population PK/PD Analysis**
11:15	**More Q&A**	
12:00	**Adjourn**