



**AMERICAN CONFERENCE  
ON PHARMACOMETRICS**



**HOTEL DEL CORONADO  
SAN DIEGO, CA  
APRIL 3-6, 2011**

**SUNDAY APRIL 3**

12:00 PM 5:00 PM Registration

7:00 PM 9:00 PM ACoP Opening Reception

**MONDAY APRIL 4**

7:30 AM 8:30 AM Breakfast/Registration

8:30 AM 8:40 AM Welcome/Program Overview Marc Gastonguay,  
Raymond Miller8:40 AM 9:00 AM Introducing ASoP! Stacey Tannenbaum,  
Marc Pfister

9:00 AM 10:00 AM Lewis B. Sheiner Lecture Nancy Sambol

Estimating Dose-Response in a Trial Randomizing Only  
Treatment Versus Control Utilizing Varying Compliance in  
Both Arms Don Rubin

10:00 AM 10:30 AM Break/Posters/Exhibits

10:30 AM 12:00 PM Session 1: Mechanistic Modeling in Oncology Drug  
Development Diane Mould, Dinesh  
De Alwis, Jeroen  
Elassaiss-Schaap

Introduction Dinesh De Alwis

The Added Value of Mechanistic Models to Drug Development Orna Amir

Tumor Vessel Dynamics During Anti-Angiogenic Therapy Lance Munn

"What Is the Question?" Thoughts for PK/PD Experts from a Clinical  
Immunotherapist Richard JunghansSummary and Closing Remarks Jeroen Elassaiss-  
Schaap

12:00 PM 1:30 PM Lunch/Posters/Exhibits

12:00 PM 1:30 PM Student Mentoring Session with lunch

1:30 PM 3:00 PM Session 2: ACoP Poster-Podium and Presentation of Awards Julie Stone, Bojan  
Lalovic, Hao ZhuPopulation Modeling of Long-Term Steroid-induced Bone Loss in Patients  
Undergoing Hematopoietic Stem Cell Transplantation Hong LiDisease Progression Model for Multiple Sclerosis and effect of Cladribine  
Tablets Therapy on Clinical Endpoints Radojka SavicDisease model of the synovium in Rheumatoid Arthritis. Is it a relevant  
contribution to Phase 2 design? Rune OvergaardModeling of Functional Assessment Questionnaire (FAQ) as Continuous  
Bounded Data from the Alzheimer's Disease Neuroimaging Initiative (ADNI)  
Database Kaori ItoImpact of Various Clinical Practice Strategies on Cardiovascular Risk for the  
Treatment of Hypertension: A Clinical Trial Simulation Study Yuyan JinAward presentations France Mentre,  
LEADERSHIP AWARD: William Jusko Marc Pfister  
INNOVATION AWARD: Marc Gastonguay

3:00 PM 4:30 PM Poster Session #1 and Exhibits

**MONDAY APRIL 4, continued**

4:30 PM 7:00 PM Free Time

7:00 PM ? Social Event

**TUESDAY APRIL 5**

7:30 AM 8:30 AM Breakfast

8:30 AM 10:00 AM Session 3: Heart Failure: Pathophysiology and Quantitative Modeling Anna Georgieva, Chee Ng

Pathophysiology of Heart Failure Shi-Yin Foo

Whole-heart modeling of heart failure Natalia Trayanova

The Cardiovascular-Renal platform: a large-scale mechanistic model for evaluating the effects of antihypertensive agents on chronic heart failure Melissa Hallow

10:00 AM 10:30 AM Break/Posters/Exhibits

10:30 AM 12:00 PM Session 4: Pharmacometrics in Pregnancy: Quantifying Maternal/Fetal Pharmacology Coen van Hasselt, Marilee Andrew

Pharmacometrics in Pregnancy: the Unmet Need Mary F. Hebert

Population Pharmacokinetics of Antimalarial Drugs in Pregnant Women Joel Tarning

Exploring Maternal/Fetal Exposure with Physiologically Based Models Donald R. Mattison

12:00 PM 1:30 PM Lunch/Posters/Exhibits

1:30 PM 3:00 PM Session 5: Modeling and Simulation in Neurodegenerative Diseases Parviz Ghahramani

Clinical Challenges in Neurodegeneration Lon Schneider

Learning from Prior Alzheimer's Disease Clinical Trials Hao Zhu

Model-based Trial Optimization for Phase II and III designs in Alzheimer's Disease Andy Hooker

3:00 PM 4:30 PM Poster Session #2 and Exhibits

4:30 PM 8:00 PM Free Time  
Dinner on your own8:00 PM ? Dessert bar  
Posters/exhibitors**WEDNESDAY APRIL 6**

7:30 AM 8:30 AM Breakfast

8:30 AM 10:00 AM Session 6: Impact of Pharmacometrics in Patient Care Roger Jelliffe, Michael Neely

Pharmacometric Applications to Immunosuppressive Therapy in Transplant Patients Sander Vinks

Use of Statistical Process Control Theory and Effect-Control Hemodynamics to Guide the Management of Sodium Nitroprusside for Controlled Hypotension in Children Jeffrey Barrett

Multiple Model Approach to Individual Dose Optimization Michael Neely

10:00 AM 10:30 AM Break/Posters/Exhibits

**WEDNESDAY APRIL 6, continued**

10:30 AM	12:00 PM	Session 7: Tutorial: Using Model-Based Meta-Analysis to Inform Drug Development Decisions	Jonathan French
		Meta-analysis for Longitudinal Dose-response Characterization in Alzheimer's Disease: a Bayesian modeling framework for combining individual and summary-level data	James Rogers
		Network meta-analysis: concepts, assumptions and application to repeated measures	Jeroen P Jansen
		Using a model-based meta-analysis for comparative effectiveness evaluations	Jaap Mandema
12:00 PM	2:00 PM	Box Lunch Poster Session #3 and Exhibits	
2:00 PM	3:30 PM	Session 8: Advancements and Applications of Multiscale Systems Pharmacology Modeling	Wojciech Krzyzanski, Mark C. Peterson
		A Model for Combination Rituximab Therapy Based on Receptor Occupancy Driven Molecular Signal Transduction in Non-Hodgkin's Lymphoma	John Harrold
		A Physiologically-Based, Multi-Scale, Mathematical Model of Integrated Calcium Homeostasis and Bone Remodeling	Matthew Riggs
		A Comprehensive Model for the Humoral Coagulation Network	Stephen Duffull
3:30 PM	4:00 PM	Closing Remarks	Stacey Tannenbaum
4:00 PM	7:00 PM	Beach Party!	

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