

ODD 2012

Predicting Oral Drug Absorption: BCS, Bioavailability and Bioequivalence

February 26-March 2, 2012

Harrah's, Lake Tahoe, Nevada

Sunday, February 26

- 5:00-7:00 PM Registration – Hospitality Room
- 7:00-9:00 PM Welcome Reception – Tahoe D to Tahoe C

Monday, Feb 27

- 7:30 – 8:30 AM Breakfast: Sand Harbor I
- 8:30 AM – 5:00 PM Predicting Absorption and BCS**
Location: Sand Harbor II

Morning Program

Predicting Oral Drug Absorption: Soluble Drugs

- 8:30-9:30 AM Human Absorption Prediction: The Global View Amidon
- 9:30-10:30 AM Gastrointestinal Physiological Variables Bermejo
- 10:30-10:45 AM Refreshment Break
- 10:45-11:45 AM Mechanisms of Intestinal Membrane Permeation Amidon
- 12:00-1:30 PM Lunch – Location: Sand Harbor I

Afternoon Program

“Hands-On” Computations: Predicting Absorption and Provisional BCS Classification

- 1:30-2:30 PM Partition Coefficient *in silico* and Absorption Estimation
(OpenOffice.org™ Calc (MS Excel compatible) Amidon
- 2:30-3:30 PM BCS Classification *in silico* using log P as a surrogate for Peff
(OpenOffice.org™ Calc (MS Excel compatible) Amidon/
Bolger

3:30-3:45 PM	Refreshment Break	
3:45-5:00 PM	Intro to MedChem Designer™ and S+LogP, Provisional BCS	Amidon/ Bolger

Tuesday, February 28

7:30-8:30 AM Breakfast: Sand Harbor I

8:30 AM -5:30 PM Permeability
Location: Sand Harbor II

Morning Program
Experimental Methods to Measure Permeability

8:30-9:30 AM	Human Jejunal Permeability: The Gold Standard	Amidon
9:30-10:30 AM	Permeability Methods <i>in situ</i> : Rat/Mouse/Dog	Bermejo/ Amidon
10:30-10:45 AM	Refreshment Break	
10:45-11:45 AM	Cell Culture Permeability Methods <i>in vitro</i>	Polli
11:45-12:30 PM	Estimating Solubility	Amidon
12:30-1:30 PM	Lunch- Location: Sand Harbor I	

Afternoon Program
“Hands-On” Computations using Integrated Software

1:30-2:30 PM	The Absorption Spreadsheet (OpenOffice.org): Estimating: MlogP, MH-Solubility, Simple Peff, Aqueous Diffusivity	Bolger
2:30-3:30 PM	Estimating Biorelevant Solubility from Aqueous Solubility & logP	Bolger
3:30-3:45 PM	Refreshment Break	
3:45-5:30 PM	ADMET™ Predictor: Modeling & Applicability Domain Comparison of Estimation methods and Applicability Domain	Woltosz
7:00-10:00 PM	Reception – Sand Harbor III Dinner and Gaming Tournament – Sand Harbor III Drug Delivery Foundation	

Wednesday, February 29

7:30-8:30 AM Breakfast: Sand Harbor I

8:30 AM – 12:30 PM Dissolution and Absorption Methodologies
Location: Sand Harbor II

Morning Program
Dissolution and IVIVC

8:30-9:30 AM	Dissolution Methodology and Current Challenges	Polli
9:30-10:30 AM	Analysis of Drug Absorption: PK Analysis and IVIVC	Langguth
10:30-10:45 AM	Refreshment Break	
10:45-11:45 AM	Oral Absorption and Bioequivalence	Bermejo
11:45-12:30	“Hands-On” Hands-on Computations: Bioequivalence	Bermejo/Cook
12:30-2:00	Box Lunch	
2:00-7:00 PM	FREE TIME Posters available for viewing Location: Tahoe D to Tahoe C	
7:00 PM-8:00 PM	“If we Designed Airplanes like we Designed Drugs...” Location: Sand Harbor II	Woltosz
8:00 PM-10:00PM	Posters; Wine and Cheese Reception Location: Tahoe D to Tahoe C	Amidon

Thursday, March 1

7:30-8:30 AM Breakfast: Sand Harbor I

8:30 AM-5:30 PM Oral Delivery Based BCS Class
Location: Sand Harbor II

Morning Program
Oral Delivery: Class I (CR), BCS Class II (Solubilization), Class III (Prodrugs) and IV

8:30-9:30 AM	BCS Class I: IR and CR	Langguth
9:30-10:30 AM	BCS Class II: Solubilization Methods	Langguth
10:30-10:45 AM	Refreshment Break	
10:45-11:45 AM	BCS Class III: Prodrugs and Transporters	Tamai
12:00-1:30 PM	Lunch: Sand Harbor I	

Afternoon Program

“Hands-On” Computations Integrated Software

1:30-2:30 PM	“Hands-On” Computations: Wagner-Nelson, IVIVC	Amidon/Langguth
2:30-3:30 PM	Analysis of Examples Data	Cook/Polli/Bermejo
3:30-3:45 PM	Refreshment Break	
3:45-5:30 PM	Mechanistic ACAT Deconvolution and IVIVCs for Highly Variable and MR Formulations.	Bolger

Friday, March 2

7:30-8:30 AM	Breakfast: Sand Harbor I	
8:30-11:45 AM	Oral Delivery: Future Regulation and Molecular Transport	
8:30 -9:30 AM	BCS Based Regulatory Standards: Evolving World Wide	Cook
9:30-10:30 AM	Regulatory Future: Pharmaceutical Quality	Lionberger
10:30-11:30 AM	Modern Molecular Membrane Transport: Molecular ADME	Tamai
11:30-11:45 AM	Closing Remarks	Amidon