

2015 Program – Residential School on Medicinal Chemistry and Biology in Drug Discovery

Sunday, June 7, 2015 – Registration 2 – 9 PM Buffet Dinner 7 – 9 PM

Morning Sessions

Monday – June 8	Tuesday – June 9	Wednesday – June 10	Thursday – June 11	Friday – June 12
Breakfast 7:30 – 8:20	Breakfast 7:30 – 8:20	Breakfast 7:30 – 8:20	Breakfast 7:30 – 8:20	Breakfast 7:30 – 8:20
Registration 7:45 – 8:20				
8:20 – 8:30 Introduction				
Lecture 1 8:30-9:30 <i>“Principles of Med Chem (A)”</i> Jim McCarthy IUPUI	Lecture 7 8:30 – 9:30 <i>“Kinase Inhibitors”</i> William Windsor Biotherapeutics, Inc.	Lecture 12 8:30 – 9:30 <i>Hit-to-Lead Process in Drug Discovery”</i> Craig Lindsley Vanderbilt U.	Lecture 16 8:30 – 9:30 <i>“Drug-Like Properties in Drug Discovery”</i> Li Di Pfizer	Lecture 20 8:30 – 9:30 <i>“Epigenetics”</i> HoMan Chan Novartis
Discussion 9:30-9:40	Discussion 9:30-9:40	Discussion 9:30-9:40	Discussion 9:30-9:40	Discussion 9:30-9:40
Lecture 2 9:40-10:40 <i>“Principles of Med Chem (B)”</i> Jim McCarthy IUPUI	Lecture 8 9:40 – 10:40 <i>“Drug Metabolism”</i> Rick Morrison	Lecture 13 9:40 – 10:40 <i>“Chemoinformatics”</i> Kent Stewart AbbVie	Case History 2 9:40 – 10:40 <i>“Suvorexant”</i> Paul Coleman Merck	Lecture 21 9:40-10:40 <i>“Clinical Development”</i> James McLeod Galleon Pharmaceuticals
Discussion 10:40-10:50	Discussion 10:40-10:50	Discussion 10:40-10:50	Discussion 10:40-10:50	Discussion 10:40-10:50
BREAK 10:50-11:10	BREAK 10:50-11:10	BREAK 10:50-11:10	BREAK 10:50-11:10	BREAK 10:50-11:10
Lecture 3 11:10-12:10 <i>“Receptor Binding Assays”</i> Christopher Haber Zoetis, Inc.	Lecture 9 11:10–12:10 <i>“Fragment-based Drug Design”</i> Miles Congreve Heptares Therapeutic	Lecture 14 11:10-12:10 <i>“Principles of Lead Optimization”</i> John Lowe JL3Pharma	Lecture 17 11:10-12:10 <i>“Bioisosteres”</i> Nicholas Meanwell Bristol-Myers Squibb	Case History 4 11:10 – 12:10 <i>“Eltrombopag”</i> Kevin Duffy GlaxoSmithKline
Discussion 12:10-12:20	Discussion 12:10-12:20	Discussion 12:10-12:20	Discussion 12:10-12:20	Discussion 12:10-12:20
LUNCH 12:30-1:30 Commons	LUNCH 12:30-1:30 Commons	LUNCH 12:30-1:30 Commons	LUNCH 12:30-1:30 Commons	LUNCH 12:30-1:30 Commons

**All lectures and case histories are held in the Baldwin Gym.
All meals will be served in the Commons**

Afternoon Sessions

Monday–June 8	Tuesday – June 9	Wednesday – June 10	Thursday – June 11	Friday – June 12
Lecture 4 1:30 – 2:30 <i>“G-Protein Coupled Receptors”</i> Ali Jazayeri Heptares Therapeutic	Lecture 10 1:30 – 3:40 <i>“Pharmacokinetics & Plasma Protein Binding”</i> Randy Miller Merck	Lecture 15 1:30 – 3:40 <i>“Molecular Modeling: Structure Based Drug Design”</i> Vincent Stoll AbbVie	Lecture 18 1:30 – 2:30 <i>“Designing around Toxicophores in Drug Discovery”</i> Nicholas Meanwell Bristol-Myers Squibb	DEPARTURE
Discussion 2:30-2:40			Discussion 2:30-2:40	
Lecture 5 2:40-3:40 <i>“Practical Enzymology”</i> Mark Namchuk Vertex			Lecture 19 2:40-3:40 <i>“Preclinical Toxicology”</i> James MacDonald Chrysalis Pharma	
Discussion 3:40 – 3:50	Discussion 3:40 – 3:50	Discussion 3:40 – 3:50		
BREAK 3:50-4:15	BREAK 3:50 – 4:00	BREAK 3:50 – 4:00	BREAK 3:50 – 4:00	
Lecture 6 4:00 – 5:00 <i>“Drugs Affecting ION Channels”</i> David Triggie SUNY-Buffalo	Lecture 11 4:00 – 5:00 <i>“Protein-Protein Interactions”</i> Maria Blanco Eli Lilly	Case History 1 4:00 – 5:00 <i>“mGlu₅ Positive Allosteric Modulators”</i> Craig Lindsley Vanderbilt U.	Case History 3 4:00 – 5:00 <i>“Adcetris”</i> Peter Senter Seattle Genetics	
Discussion 5:00 – 5:10	Discussion 5:00 – 5:10	Discussion 5:00 – 5:10	Discussion 5:00 – 5:10	
BUFFET DINNER 7:00 – 9:00 Commons	BUFFET DINNER 5:30 – 7:00 Commons	PRE-DINNER LECTURE** Joel Barrish Vice President at Bristol-Myers Squibb 5:30 Reception ** 6:00 Lecture *** 7:00 Dinner Commons	RECEPTION 6:30 Commons	
	FREE TIME The Pub will be open for your use			
			COOKOUT Brother’s College Patio 7:00 – 9:00	

** 5:30 – Dorothy Young Concert Hall Rotunda

*** 6:00 – Lecture, Dorothy Young Concert Hall

7:00 – Dinner - Commons