

2019 Program – Residential School on Medicinal Chemistry and Biology in Drug Discovery

**Sunday, June 9, 2019: Registration at The Madison Hotel 4 – 8 PM
Buffet Dinner at The Madison Hotel 6 – 9 PM**

Drew University, Madison, New Jersey

Morning Sessions

Monday – June 10	Tuesday – June 11	Wednesday – June 12	Thursday – June 13	Friday – June 14
Hotels' breakfast bar; board shuttles to Drew 6:30 – 8:10	Hotels' breakfast bar; board shuttles to Drew 6:30 – 8:10	Hotels' breakfast bar; board shuttles to Drew 6:30 – 8:10	Hotels' breakfast bar; board shuttles to Drew 6:30 – 8:10	Hotels' breakfast bar; board shuttles to Drew** 6:30 – 8:10
				Check Out of Hotels
8:20 – 8:30 Introduction				** Bring luggage from hotel with you to Baldwin Gym
Lecture 1-Part A 8:30-9:30 <i>"Principles of Med Chem"</i> Dave Rotella Montclair University	Lecture 6 8:30 – 9:30 <i>"Cheminformatics"</i> Kent Stewart High Point University	Lecture 11- Part A 8:30 – 9:30 <i>"Pharmacokinetics and Plasma Protein Binding"</i> Randy Miller Merck	Lecture 15 8:30 – 9:30 <i>"Kinase Inhibitors"</i> William Windsor Stevens Institute of Technology	Case History 3 8:30 – 9:30 <i>"Ivacaftor & Lumacaftor"</i> Mark Miller Vertex
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 1-Part B 9:40-10:40 <i>"Principles of Med Chem"</i> Dave Rotella Montclair University	Lecture 7-Part A 9:40 – 10:40 <i>"Molecular Modeling: Structure Based Drug Design"</i> Vincent Stoll AbbVie	Lecture 11-Part B 9:40 – 10:40 <i>"Pharmacokinetics and Plasma Protein Binding"</i> Randy Miller Merck	Lecture 16 9:40 – 10:40 <i>"Protein-Protein Interactions"</i> Maria Blanco Sage Therapeutics	Break 9:40-10:00 Lecture 20 10:00-11:00 <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 11:00-11:10
BREAK 10:50-11:10	BREAK 10:50-11:10	Break 10:50-11:10	BREAK 10:50-11:10	Case History 4 11:10 – 12:10 <i>"Eltrombopag"</i> Kevin Duffy GlaxoSmithKline
Lecture 2 11:10-12:10 <i>"Drug-Like Properties in Drug Discovery"</i> Li Di Pfizer	Lecture 7-Part B 11:10-12: 10 <i>"Molecular Modeling: Structure Based Drug Design"</i> Vincent Stoll AbbVie	Lecture 12 11:10-12:10 <i>"G-Protein Coupled Receptors"</i> Ali Jazayeri Heptares Therapeutic	Lecture 17 11:10-12:10 <i>"Epigenetics"</i> Ho Man Chan Foghorn Therapeutics	
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 12:20-1:20 Commons	LUNCH 12:20-1:20 Ehinger Center	LUNCH 12:20-1:20 Ehinger Center	LUNCH 12:20-1:20 Commons	LUNCH 12:30-1:30 Baldwin Gym

All lectures and case histories are held in the Baldwin Gym

Lunch will be served in Drew Commons

Dinner will be served in the Ehinger Center unless otherwise indicated

Afternoon Sessions

Monday–June 10	Tuesday – June 11	Wednesday – June 12	Thursday – June 13	Friday – June 14
Lecture 3 1:20– 2:20 <i>“Fragment-based Drug Design”</i> Miles Congreve Heptares Therapeutic	Lecture 8 1:20-2:20 <i>“Drug Metabolism”</i> Deepak Dalvie Celgene	Lecture 13 1:20 – 2:50 <i>“Practical Enzymology and Receptor Binding Assays”</i> Mark Namchuk Alkermes	Lecture 18 1: 20 – 2:20 <i>“Antibody Drug Conjugates”</i> Peter Senter Seattle Genetics	DEPARTURE
Discussion 2:20-2:30	Discussion 2:20-2:30	Discussion 2:50-3:00	Discussion 2:20-2:30	
Lecture 4 2:30-3:30 <i>“Hit-to-Lead Process in Drug Discovery”</i> John Lowe JL3Pharma	Lecture 9 2:30-3:30 <i>“Designing around Toxicophores in Drug Discovery”</i> Nicholas Meanwell Bristol-Myers Squibb	Lecture 14 3:00-4:00 <i>“Drugs Affecting Ion Channels”</i> Maria Garcia Kanalis Consulting	Lecture 19 2:30-3:30 <i>“Preclinical Toxicology”</i> James MacDonald Synergy Partners	
Discussion 3:30-3:40	Discussion 3:30-3:40	Discussion 4:00-4:10	Discussion 3:30 – 3:40	
BREAK 3:40-4:00	BREAK 3:40-4:00	Break 4:10-4:30	BREAK 3:40 – 4:00	
Lecture 5 4:00-5:00 <i>“Principles of Lead Optimization”</i> John Lowe JL3Pharma	Lecture 10 4:00-5:00 <i>“Bioisosteres”</i> Nicholas Meanwell Bristol-Myers Squibb	Case History 1 4:30 – 5:30 <i>“Vismodegib”</i> Dan Sutherlin Genentech	Case History 2 4:00 – 5:00 <i>“Suvorexant”</i> Paul Coleman Merck	
Discussion 5:00 - 5:10	Discussion 5:00 - 5:10	Discussion 5:30 – 5:40	Discussion 5:10 - 5:20	
BUFFET DINNER Ehinger Center 5:30 – 7:30 Beer and wine will be served.	BBQ – Brothers College Patio 5:30 – 7:30 Beer and wine will be served.	Reception & Keynote Lecture at the Dorothy Young Concert Hall Key Note Speaker: Ann Weber Sr. VP Drug Discovery, Kallyope Inc. 6:00 Reception 6:30 Lecture 7:30 Dinner at the Ehinger Center. Beer and wine will be served.	BUFFET DINNER 5:30 – 7:30 Ehinger Center Beer and wine will be served.	