

2020 Program – Drew University’s Residential School on Medicinal Chemistry and Biology in Drug Discovery

Location: Hyatt Regency – Morristown (3 Speedwell Ave, Morristown, NJ 07960)

**Course and hotel check-in: 4:00 – 8:00 PM, Sunday, June 7, 2020
(Welcome reception: Sunday, 6:00 – 9:00 PM)**

Morning Sessions

Monday – June 8	Tuesday – June 9	Wednesday – June 10	Thursday – June 11	Friday – June 12
Breakfast buffet in the Regency Room; proceed to Plaza Ballroom 7:00 – 8:30	Breakfast buffet in the Regency Room; proceed to Plaza Ballroom 7:00 – 8:30	Breakfast buffet in the Regency Room; proceed to Plaza Ballroom 7:00 – 8:30	Breakfast buffet in the Regency Room; proceed to Plaza Ballroom 7:00 – 8:30	Breakfast buffet in the Regency Room; proceed to Plaza Ballroom 7:00 – 8:30
				Check Out of Hotel
Lecture 1-Part A 8:30-9:30 <i>“Principles of Med Chem”</i> Tom Prisinzano University of Kentucky	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>“Elexacaftor, Ivacaftor, and Tezacaftor”</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> Tom Prisinzano University of Kentucky	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>“Epigenetics”</i> Ho Man Chan Foghorn 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>“Phenotypic Screening”</i> Bridget Wagner Broad Institute	Lecture 17 11:10-12:10 <i>“Designing around Toxicophores in Drug Discovery”</i> Nicholas Meanwell Bristol-Myers Squibb	
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	LUNCH 12:20-1:20	LUNCH 12:20-1:20	LUNCH 12:20-1:20	LUNCH 12:30-1:30

**All lectures and case histories will be held in the Plaza Ballroom.
All meals will be served in the Regency Room unless otherwise indicated.**

Afternoon Sessions

Monday–June 8	Tuesday – June 9	Wednesday – June 10	Thursday – June 11	Friday – June 12
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 Bristol-Myers Squibb	Lecture 13 1:20 – 2:50 <i>“Practical Enzymology and Receptor Binding Assays”</i> Mark Namchuk Harvard Medical School	Lecture 18 1: 20 – 2:20 <i>“Bioisosteres”</i> Nicholas Meanwell Bristol-Myers Squibb	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> Emma Parmee Merck	Lecture 9 2:30-3:30 <i>“Protein-Protein Interactions”</i> Maria Blanco Sage Therapeutics	Lecture 14 3:00-4:00 <i>“PROTACS”</i> Steven Sparks Arvinas	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>“Antibody Drug Conjugates”</i> Peter Senter Seattle Genetics	Case History 1 4:30 – 5:30 <i>“Vismodegib”</i> Dan Sutherlin Genentech	Case History 2 4:00 – 5:00 <i>“Suvorexant”</i> A.J. Roecker Merck	
Discussion 5:00 - 5:10	Discussion 5:00 - 5:10	Discussion 5:30 – 5:40	Discussion 5:00 - 5:10	
DINNER 6:00 – 8:00	DINNER 6:00 – 8:00	KEYNOTE LECTURE 6:30 – 7:30 Michael Sofia, Arbutus Biopharma DINNER 7:30 – 9:30	<i>Night on the Town</i> Enjoy the many flavors of Morristown	
ELECTIVE PRESENTATION 7: 00 – 8:00 <i>“Cutting Edge Modeling”</i> Schrödinger				

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