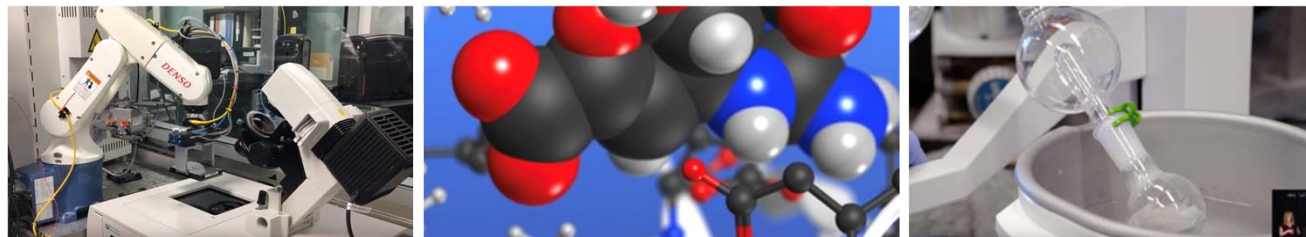


The Theory and Practice of Small-Molecule Drug Discovery

A lecture series by Vertex Pharmaceuticals scientists



Join us for a short course taught by experienced industrial scientists. This course is composed of 5 weekly sessions covering the many aspects required for developing successful drugs. Each session includes two lectures separated by a networking coffee break. The final session will be held at Vertex Pharmaceuticals and features a tour of the facility. The course is open to all students, but pre-registration is required.

Date	Time	Topic	Speakers
July 10 th @ UCSD	4:00 - 4:45 pm	Overview – From Concept to Market.	Yvonne Schmidt Yoshi Ishihara
	5:00 – 5:45 pm	How do drug features contribute to the binding to a biological target?	Anton Gulevich
July 17 th @ UCSD	4:00 - 4:45 pm	Target selection and essentials of Medicinal Chemistry	Adam Scharf
	5:00 – 5:45 pm	Assay design, high-throughput screening & secondary follow-up assays	Brooke Grandinetti Tim Young
July 24 th @ UCSD	4:00 - 4:45 pm	What does the body do to the drug? Preclinical pharmacokinetics	Mike Wester Julie Laterreur
	5:00 – 5:45 pm	How do we get the Drug on board (into blood circulation)? Drug formulation.	Tim Alcacio
July 31 st @ UCSD	4:00 - 4:45 pm	What does the drug do to the body? Preclinical pharmacology	Dennis Fiorino
	5:00 – 5:45 pm	How do we determine a drug's safety early? Exploratory toxicology.	Jeffrey A. Willy
August 7 th @ Vertex	4:00 - 4:45 pm	Putting it all together. The discovery of Orkambi.	Mark Miller
	5:00 – 5:45 pm	A tour of the Drug Discovery facility at Vertex Pharmaceuticals, San Diego.	

UCSD, Natural Science Building, room 1205

Vertex Pharmaceuticals, 3215 Merryfield Row, San Diego, CA 92121

Participants that attend the entire lecture series will receive a certificate of completion.

For a detailed description of the lectures, speakers, and to register,
please visit: <https://chemistry.ucsd.edu/go/vrtx>

Questions? Please contact Haim Weizman (hweizman@ucsd.edu)