

# PRINCIPLES OF DRUG ACTION AND TARGETING

## 16:718:680

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**Course Description:** This introductory course will provide the basic knowledge of pharmacology.

Topics
Drug Discovery & Development
Drug-Receptor Interactions & Pharmacodynamics
Pharmacokinetics
Principles of Drug Metabolism
Mechanism of Antibiotics
Antiviral Drugs
Antidiabetic Drugs
How Drugs Modulate Renal Function
Computational Drug Design
Kinases as Drug Targets
Experimental Cancer Therapy
Mechanism of Nuclear Receptors as Drug Targets
Androgenic and Anti-Androgenic Drugs
Personalized Medicine
How Drugs Target Neurodegenerative Diseases
Action of Cancer Drugs: Antimetabolites
Drugs that Alter mTOR Pathway
Stem Cells & Regenerative Therapy
Anti-Viral Hepatitis Agents
Cell Death as Drug Targets
Mechanism of Drugs Targeting Lysosomal Enzymes