NPTEL Video Course - Chemistry and Biochemistry - NOC:Organic Chemistry in Biology and Drug Development

Subject Co-ordinator - Prof. A. Basak

Co-ordinating Institute - IIT - Kharagpur

Sub-Titles - Available / Unavailable | MP3 Audio Lectures - Available / Unavailable

Lecture 30 - Central dogma
Lecture 31 - Central dogma
Lecture 32 - Central dogma
Lecture 33 - Molecular Biology
Lecture 34 - Molecular Biology (Continued...)
Lecture 35 - Chemistry of cofactors/coenzymes
Lecture 36 - Chemistry of cofactors/coenzymes (Continued...)
Lecture 37 - Chemistry of cofactors/coenzymes (Continued...)
Lecture 38 - Chemistry of cofactors/coenzymes (Continued...)
Lecture 39 - Chemistry of cofactors/coenzymes (Continued...)
Lecture 40 - Chemistry of cofactors/coenzymes (Continued...)
Lecture 41 - Introduction to Drug Discovery Process
Lecture 42 - Fundamental Principles of Drug Development Process
Lecture 43 - Combinatorial chemistry
Lecture 44 - Neurotransmitters
Lecture 45 - Catechol amine based and GABA neurotransmitters
Lecture 46 - Hypertension
Lecture 47 - Inhibitor design of angiotensin converting enzyme
Lecture 48 - Antimicrobial drugs
Lecture 49 - Chemistry of penicillins
Lecture 50 - Resistance to beta-lactam antibiotics
Lecture 51 - Mechanistic studies of beta-lactamase
Lecture 52 - Non beta-lactam antibiotics
Lecture 53 - Mechanistic enzymology of Isopenicillin N synthase
Lecture 54 - Polyketide Biosynthesis
Lecture 55 - Biosynthesis of macrolide polyketides and introduction to virus
Lecture 56 - Anti-viral drugs
Lecture 57 - Cancer and Chemotherapy
Lecture 58 - Anti-cancer drugs (Continued...)
Lecture 59 - Aromatase inhibition and Anti-ulcer drugs
Lecture 60 - Cholesterol lowering agents
Lecture 61 - Cholesterol Biosynthesis
Lecture 62 - Pharmakinetics and pharmadynamics
Lecture 63 - QSAR principles