COURSE DETAIL

CELLULAR BASIS OF DRUG DEPENDENCE
Country United Kingdom - England
Host Institution King's College London
Program(s) English Universities,King's College London
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Biochemistry
UCEAP Course Number 155
UCEAP Course Suffix
UCEAP Official Title CELLULAR BASIS OF DRUG DEPENDENCE
UCEAP Transcript Title DRUG DEPENDENCE
UCEAP Quarter Units 12.00
UCEAP Semester Units 8.00

Course Description
This course explores cellular aspects of pharmacology, particularly those relevant to an understanding of drug receptors and the ways in which activation of these produce biochemical changes in the cell. Pharmacological, biochemical, and electro-physiological methods for investigation of receptor-mediated changes in cell function are compared and integrated to provide a coherent picture of cell function and its modification by drugs and natural chemical messengers. In the second half, adaptation is considered at the level of receptor coupling and second messengers in relation to tolerance and dependence. The latest theories of psychological dependence and physical dependence on drugs such as depressants, stimulants, and hallucinogens are discussed. New drugs of abuse including ketamine and "legal highs" are discussed.

Language(s) of Instruction
English

Host Institution Course Number
6BBM0329

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CELLULAR BASIS OF DRUG DEPENDENCE

Host Institution Course Details

Host Institution Campus
King's College London

Host Institution Faculty

Host Institution Degree

Host Institution Department
Life & Biosciences

Course Last Reviewed

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