

molecular and physiological mechanisms pdf

Cisplatin, cisplatinum, or cis-diamminedichloroplatinum (II), is a well-known chemotherapeutic drug. It has been used for treatment of numerous human cancers including bladder, head and neck, lung, ovarian, and testicular cancers.

Cisplatin in cancer therapy: Molecular mechanisms of

Increasing numbers of individuals, particularly the elderly, suffer from neurodegenerative disorders. These diseases are normally characterized by progressive loss of neuron cells and compromised motor or cognitive function. Previous studies have proposed that the overproduction of reactive oxygen species (ROS) may have complex roles in promoting the disease development.

Oxidative Stress in Neurodegenerative Diseases: From

Human physiology seeks to understand the mechanisms that work to keep the human body alive and functioning, through scientific enquiry into the nature of mechanical, physical, and biochemical functions of humans, their organs, and the cells of which they are composed. The principal level of focus of physiology is at the level of organs and systems within systems.

Physiology - Wikipedia

Tumor necrosis factor (TNF)- α is a potent pro-inflammatory and pathological cytokines in inflammatory diseases such as rheumatoid arthritis and inflammatory bowel diseases.

Molecular mechanisms of action of anti-TNF- α agents

Pharmacology is the study of the therapeutic value and potential toxicity of chemical agents on biological systems. It targets every aspect of the mechanisms for the chemical actions

Explore Pharmacology

Official website of the Molecular Metabolism journal. Objective: We sought to identify AMPK-regulated genes via bioinformatic analysis of microarray data generated from skeletal muscle of animal models with genetically altered AMPK activity. We hypothesized that such genes would play a role in metabolism.

Molecular Metabolism

1 Laboratory of Photobiology and Molecular Microbiology, Centre of Advanced Study in Botany, Banaras Hindu University, Varanasi 221005, India 2 School of Biotechnology, Banaras Hindu University, Varanasi 221005, India 3 Mahila Maha Vidyalaya, Banaras Hindu University, Varanasi 221005, India DNA is ...

Molecular Mechanisms of Ultraviolet Radiation-Induced DNA

P1: Shashi August 24, 2006 11:34 Chan-Horizon Azuaje^É™Book 2 The Physiological Basis of the Electrocardiogram Figure 1.1 A typical action potential from a ventricular myocardial cell.

CHAPTER 1 The Physiological Basis of the Electrocardiogram

Endothelins are peptides with receptors and effects in many body organs. Endothelin constricts blood vessels and raises blood pressure. The endothelins are normally kept in balance by other mechanisms, but when overexpressed, they contribute to high blood pressure (hypertension), heart disease, and potentially other diseases.. Endothelins are 21-amino acid vasoconstricting peptides produced ...

Endothelin - Wikipedia

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Vascular endothelial growth factor-A (VEGF-A) is a key mediator of angiogenesis, signalling via the class IV tyrosine kinase receptor family of VEGF Receptors (VEGFRs). Although VEGF-A ligands bind to both VEGFR1 and VEGFR2, they primarily signal via VEGFR2 leading to endothelial cell proliferation, survival, migration and vascular permeability.

Molecular Pharmacology of VEGF-A Isoforms: Binding and

Abstract. Plants develop unorganized cell masses like callus and tumors in response to various biotic and abiotic stimuli. Since the historical discovery that the combination of two growth-promoting hormones, auxin and cytokinin, induces callus from plant explants in vitro, this experimental system has been used extensively in both basic research and horticultural applications.

Plant Callus: Mechanisms of Induction and Repression

2010 Dialysis of Drugs 4 SEE DISCLAIMER REGARDING USE OF THIS GUIDE Molecular Weight Dialysis is dependent upon the use of a dialytic membrane: either a synthetic membrane

2010 DoD US Inside - seanmeskill.com

A classification system for seed dormancy: The 'whole-seed view'. Marianna G. Nikolaeva devised a dormancy classification system reflecting that dormancy is determined by both morphological and physiological properties of the seed.

The Seed Biology Place - Seed Dormancy

IEEE ICECS Int^l Conf. on Electronics, Circuits and Systems Tel-Aviv, Israel, December 2004
NANOROBOTIC CHALLENGES IN BIOMEDICAL APPLICATIONS, DESIGN

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