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179.	Jeev Sheen Joseph	Nanotechnology Based Drug Delivery System: Current Strategies and Emerging Therapeutic Potential PG and Research Department of Biotechnology,	ICEBB-PP20

Conclusion: TLR is characterised by a highly conserved LRR repeat sequence, and changes to this sequence affect the delicate structural characteristics. The current study opens a new insight into the shape of the TLR extracellular domain and such a shift in the conformation should be further validated with experimental support.

Keywords: TLR4 SNPs, deleterious, LRR arc, molecular dynamics, immune system

METABOLIC ENGINEERING OF MICROBES: SYNERGIES, FUTURE AND CHALLENGES

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ABSTRACT

Metabolic engineering is the basic concept in which it uses multiple processes which results in desired product. The two words in metabolic engineering has its own each steps, those steps consists of metabolism involve multiple enzymes and it mainly converts organic molecules found in a organism. Engineering is the process to make it more simple and standard. It uses introducing multiple elements and also new genes to make variation in the process for improvement of cellular properties. the main goal for metabolic engineering are to analyze the metabolic systems and to assign new elements or changes in the system for product improvement. It mainly involves in rational genetic modification. Nowadays, there is a great interest in efficient and cost effectiveness for production of bulk chemicals. Biotechnological processes are mainly optimized using the center of strain development. Biofuel production is now highly contributed by synthetic biology field. To achieve a particular strain or goal, it involves analysis of various steps by multiple fields like biochemistry, biotechnology, microbiology and chemical engineering, etc... Microorganisms are the main source of drugs, antibiotics, immunoagents, antiviral agents and many other compounds. Metabolic engineering is used to analyze them for their better use and application, modification and recombination for required product production. A current study mainly contributes in protecting the environment like it involves in "green chemistry". Current methods to increase productivity by classical random mutagenesis to be changed to target site directed changes with accurate targeting. The metabolic engineering involves in the improvement of cellular activities by various methods. The main aspects of metabolic engineering are to achieve improved qualities and quick production of new compounds. This new development and identification for new elements and various methods leads to multiple studies in future for better enhancement in product productions. The processes that are newly developed through metabolic engineering leads to environment sustainability and it go with the motive of going green. The expected developments are seen in strain developed will be identified as result of genome amplification study and analysis, transcriptome, proteome and other main analyses for betterments. The current development leads to production of required chemicals and products also in bulk production are studied well and managed according to the needs.

MOLECULAR DOCKING OF ALBEZZIA LEBBECK AGAINST THE ANDROGEN RECEPTOR FOR THE TREATMENT OF PROSTATE CANCER

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ABSTRACT

Prostate cancer being the second most frequently diagnosed cancer in men and has a death of approximately 34,500 people this year which makes it the fifth cancer causing death worldwide. The prostate gland ideally functions depending on the androgen hormone and it influences both directly and

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