Application of molicular biology

Prepared by: Friba muhammed ahmed, Farhang sarhad abdullah. College of basic education -General science Departmen.Supervised by : dr.Jihan hama sharif

Introduction

Molicular biology has facilitated under standing of the cause of mony disase, suche as consers and other neoplasia.Gens are of cardinal importance in the development of neoplastic disease. This is because neoplasia are essentially,disorders in which there is uncontrolled cell diviision

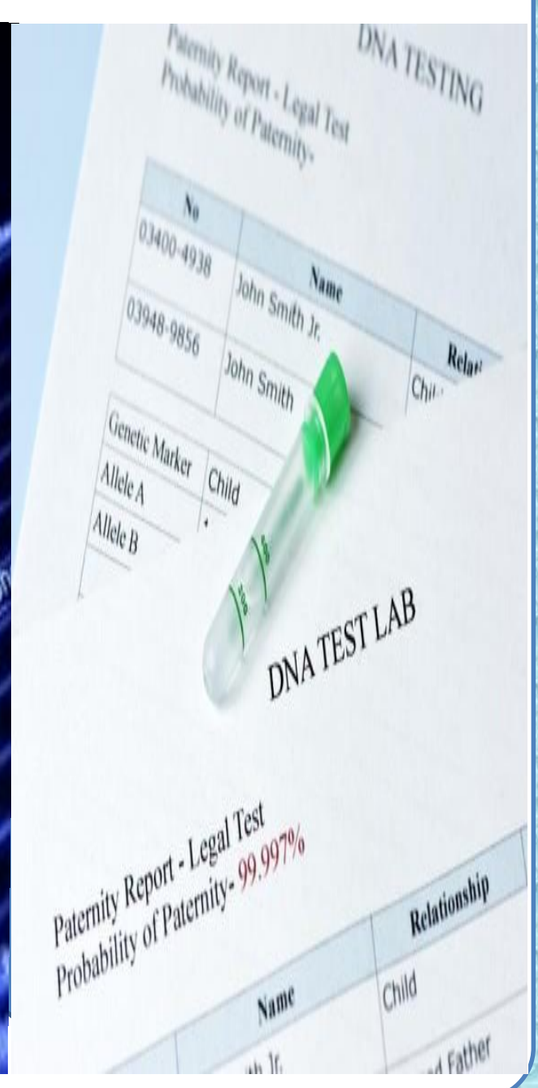
Methodology

1. paternity test, also known as parentage testing or DNA testing, is a process by which it is determined whether a man is the biological father of a child.
2. Gene therapy is the Gene therapy is the treatment of abnormal or mutated genes present in cells through the addition of healthy genes or replacement/deletion/ site-specific modification of faulty genes.3. 3. Drug Design

Drug designing is an integrated developed discipline.

Discussion

Application of molicular biology methods have are mendouse value not only in the investigation of basic scientific questions , but also in application to a wide variety of problems afectings the overall human condition.Disease prevention and treatment, generation of new protin products,and manipulation of plants and animals for desird phentypic traits are all application that are routinly addresse by the application of moliculer biology methods.Because of the wide applicability of thes methods.They are rapidly by coming a pervasive--some would argue invasive--aspect of our technologically based socieThe poblic concerns that addressed by informed poblic discassion and debate.



Conclusion

The technology of molecular biology has changed the way we study vascular disease. Identifying the mechanisms responsible for and the molecules involved in these processes should result in more accurate diagnostic testing and may
facilitate the development of gene and cell therapy,At present, the use of molecular techniques allows the complete
genome or short and long sequences of DNA with the aim of detecting and analyzing sequences of interest for research in
agronomy and forensic sciences, clinical diagnosis and basic, translational, and applied research, each of them

References

1. Hoss, M., P. Jaruga, T. H. Zastawny, M. Dizdaroglu, and S. Paabo. 1996. DNA damage and DNA sequence retrieval from ancient tissues. Nucleic Acidsv.24,n5,p.7-1304.
2 . Okpala I.2004, Epidemiology, genetics and pathophysiology of sickle cell disease.
In: Practical Management of Haemoglobinopathies. OkpalaI,ed. Blackwell Publishing,Oxford, UK.v.16,n.4,p.20-25.
3. SOARES, Bianca da Silva et al.2017, Aplicação de técnicas moleculares para o monitoramento da diversidade genética de Staphylococcus aureus em ambientes de produção leiteira.v.18,n35.p.19-26