MARRI LAXMAN REDDY GROUP OF INSTITUTIONS

MLR INSTITUTE OF TECHNOLOGY

(AUTONOMOUS)

Department of CSE – Data Science
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Submitted by
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Blood Transmutation using Machine learning tools

Supervisor:
Mr.Irfan bagawan,
Asst.Professor,
Department of CSE-Data Science.

Names	Roll no
Chilukuri Saipriya	**21R21A6714**
Buchireddy palli Harikiran	**21R21A6712**
Gumma Yasasvi	**21R21A6722**

Abstract

This study investigates the feasibility of blood transmutation through the application of machine learning and data science methodologies. By analyzing extensive datasets on blood group antigens, genetic markers, and biochemical properties, the research aims to uncover patterns and mechanisms that could enable the safe alteration of blood types. Advanced computational models and simulations are employed to explore potential pathways for blood type conversion, ensuring compatibility and minimizing risks. The successful implementation of these techniques could significantly mitigate blood shortages, enhance transfusion safety, and provide a more reliable blood supply for patients in critical need. This research represents a pioneering step towards reshaping the future of blood transfusion and addressing urgent global healthcare challenges.

Referred IEEE paper

Toward universal donor blood: Enzymatic conversion of A and B to O type

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6956546/

Thank You!!