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Integrating mixed reality technologies in genomic data visualization and analysis for bioinformatics research

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With the advancement of Mixed Reality (MR) technologies and bioinformatics, researchers are exploring new ways to enhance the visualization and analysis of genomic data. The integration of MR technologies in bioinformatics research has the potential to revolutionize the way scientists interpret complex biological information. This article discusses the application of MR in genomic data visualization and analysis, highlighting its advantages in facilitating a more immersive and interactive experience. In particular, we will present case studies related to the implementation of the Unreal Engine in MR for bioinformatics research.

As part of the research, the role of intellectual property in bioinformatics will be analyzed, providing insights into its significance and implications in the field. The integration of MR can improve collaboration among researchers and assist in the understanding of intricate patterns within genomic datasets. Furthermore, the article examines the challenges faced in implementing MR technologies in bioinformatics and addresses possible solutions to overcome these obstacles.

Overall, the integration of Mixed Reality in bioinformatics research has the potential to reshape the field and drive innovation in genomic data analysis.