



## INVESTIGATING THE ACTIVE SITE(S) OF THE CANNABIDIOL (CBD) COMPOUND

**Jayla B. Jackson**

*Morgan State University, USA*

CBD is a non-psychoactive compound (unlike its relative D9- tetrahydrocannabinol) found in the hemp variety of the cannabis plant that has been associated with the relief of mental and physical ailments. Popularly and most recently, people who suffer from mental and physical ailments have sought the molecule in the forms of oils and capsules hoping to seek relief. With its lack of adverse effects and non-toxic, multi-faceted pain-relieving effect this project seeks to answer can the exploration of CBD's effect on genetics help identify the active site of CBD? This study seeks to examine and identify the mechanisms of Cannabidiol (CBD) using the reaction of CBD oil with calf thymus DNA. HPLC (high performance liquid chromatography) will be used to follow the reaction.



Jayla Jackson is a 20 year old majoring in Biology and minoring in chemistry at Morgan State University in Baltimore, MD. Jayla has almost 3 years of relevant research experience, mostly working from her home institution Morgan State. Jayla is also CITI certified in working with laboratory animals and currently volunteers in peer projects in Morgan State's animal laboratory.

Cannabis and it's medicinal use.  
Cannabis science, public health study around the world.

7. [4th international conference on cannabis and medicinal Research, September 21-22,2020, Sydney, Australia](#)

8. [Jayla Jackson, Investigating the active sites of cannabidiol compound,4th international conference on cannabis and medicinal research, September 21-22,2020, Sydney, Australia.](#)