Rewiring DNA circuitry may help treat asthma

Reprogramming asthma-promoting immune cells in mice diminishes airway damage and inflammation, and could potentially lead to new treatments for people with asthma, researchers have discovered. The researchers were able to reprogram the asthma-promoting cells (called Th2 (T-helper 2) cells) after identifying an enzyme that modifies the DNA of these cells.

“People with asthma have too many Th2 cells, which produce chemical signals that inflame and damage the upper airways. In this study, we discovered that the Suv39h1 enzyme plays a critical role in programming these asthma-promoting cells, making it a potential target for new therapies to treat asthma,” Dr Allan said.

View the original article here: Rewiring DNA circuitry may help treat asthma – in.news.yahoo.com