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Session: B29 Mechanisms for Airway Hyperresponsiveness: From Cell to Organism

Abstract Presentation Time: Monday, May 20, 9:15 a.m. CT

Location: Ballroom D Four (Level 3), Kay Bailey Hutchison Convention Center
Dallas

ENZYME MAY REPRESENT NEW TARGET FOR TREATING ASTHMA

ATS 2019, Dallas, TX – An enzyme called diacylglycerol kinase zeta (DGK ζ) appears to play an important role in suppressing runaway inflammation in [asthma](#) and may represent a novel therapeutic target, according to research presented at ATS 2019. The researchers deleted the enzyme in mouse T cells, which drive the immune system, and found that both inflammation and airway hyper-responsiveness, two hallmarks of asthma, were reduced through independent biomolecular mechanisms.

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