

ALLERGY

EOSINOPHILS IN ASTHMA

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There is an update of our [eosinophil SNP paper](#) now in the Lancet with [27 new asthma CpG associations](#). The authors claim 3 overlaps to Cookson's [36 IgE loci](#) while I see only cpg0177040, maybe there are two more coincidental findings in the supplement? At least-the paper says

eosinophil counts were not significantly different between patients with asthma and controls in our discovery cohorts, suggesting that our results reflect the presence of a different subset or activation state of eosinophils, rather than a change in eosinophil counts per se. Although eosinophils are linked to sub-phenotypes of asthma such as the T helper 2-type subset, our study provides unequivocal data supporting their involvement at the epigenetic level in mild-to-moderate asthma in children.

maybe, maybe not - this could be just residual confounding...

Additionally, CpG methylation patterns identified an early-life shift from naive T cell populations towards effector and memory CD8 and natural killer cell subsets, indicating a potentially crucial role for host virus interactions

maybe, maybe not - this could be vaccine effects, some other antigens, allergens or [vita-min D](#)