

ALLERGY, VITAMINS

ANOTHER PATH FROM VITAMIN D TO ALLERGY

26.03.2007

As far as I know vitamin D3 influences only [RUNX2](#) expression (RUNX2 has a VDRE, possibly also RUNX3 but not RUNX1?). The [RUNX factors](#)

colocalized in common subnuclear foci. Furthermore, RUNX subnuclear foci contain the co-regulatory protein CBF $\hat{1}$ ², which heterodimerizes with RUNX factors, and nascent transcripts as shown by BrUTP incorporation. These results suggest that RUNX subnuclear foci may represent sites of transcription containing multi-subunit transcription factor complexes.

Variants in [RUNX1](#) have already been reported earlier to be weakly associated with IgE serum levels in Korea.

A [Nature](#) paper today reports that Foxp3 controls Treg function by interacting with AM-L1/RUNX1 - is there any connecting path?