

Research may lead to new insights on the genetics of height

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A study published in the *Journal of Bone and Mineral Research* points to genes and gene pathways that are strong candidates to influence the genetic regulation of human height.

The study examined data from genome-wide association studies of human height, which have identified numerous height-associated regions

in the [human genome](#), and assessed the expression of these genetic regions in different layers of the growth plate, or areas of new bone growth during childhood.

"Our results point to [genes](#) expressed in earlier stages of chondrocyte differentiation as most influencing human height," Nora Renthal, MD, Ph.D., of Boston Children's Hospital and Harvard Medical School.

More information: Nora E. Renthal et al, Genes with specificity for expression in the round cell layer of the growth plate are enriched in genomewide association study (GWAS) of human height, *Journal of Bone and Mineral Research* (2021). [DOI: 10.1002/jbmr.4408](https://doi.org/10.1002/jbmr.4408)

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