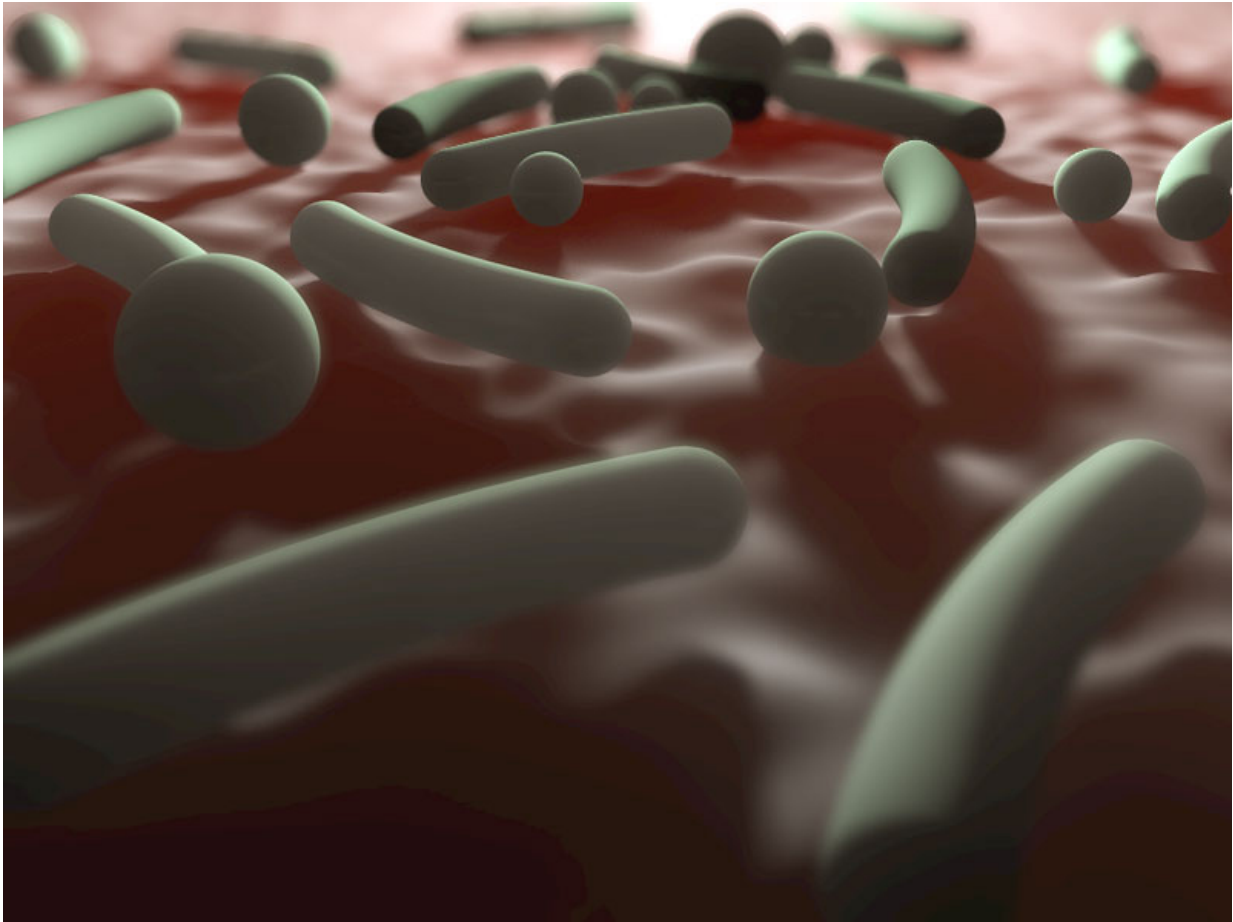


Got acne? Lay off the B12

June 24 2015



New research reports that vitamin B12 supplements can alter the metabolic activity of human skin bacteria, driving *Propionibacterium acnes* to overproduce an inflammatory compound that leads to acne. Credit: V. Altounian/Science Translational Medicine

Vitamin B12 tweaks how genes behave in the facial bacteria of some people who normally enjoy clear skin. The activity changes of the facial bacteria promote inflammation and lead to pimples.

By shedding light on one mechanism behind B12's role in acne, the UCLA finding may identify drug targets that lead to new treatments for acne.

Huiying Li, an assistant professor of molecular and medical pharmacology at the David Geffen School of Medicine at UCLA, and Dr. Noah Craft, a dermatologist at LA BioMed at Harbor-UCLA Medical Center, are available for interviews.

Science Translational Medicine publishes the findings in its June 24 edition.

More information: Vitamin B12 modulates the transcriptome of the skin microbiota in acne pathogenesis, [stm.sciencemag.org/lookup/doi/... scitranslmed.aab2009](http://stm.sciencemag.org/lookup/doi/10.1126/scitranslmed.aab2009)

Provided by University of California, Los Angeles

Citation: Got acne? Lay off the B12 (2015, June 24) retrieved 18 April 2024 from <https://medicalxpress.com/news/2015-06-acne-b12.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.