

## Permanent pimple treatment likely to be possible using vaccines



Acne aka pimples are a reason for fret-frown and misery for many, especially teens. Most of us have faced these little ugly red budgies budging out on our faces, and if you say you haven't, not even once in your life time, well hello weirdo! Despite being so common and with no significant medical issues, acne is very stressful but a cure could be on the horizon. A vaccine for acne is developed by scientists at University of California and is under testing.

From Clearasil and tea tree oil to antibiotics and oral contraceptives, there are products and drugs galore designed to treat acne, with various degrees of success and some unpleasant side effects. But there has been no single cure for the major issue faced during puberty and now even in adulthood. The scientists at University of California are trailing a vaccine that could put an end to pesky pimples for good, very good.

The anti-acne vaccine will target the bacteria that causes pimples and other breakouts without disturbing the necessary microbes. Lead researcher Dr. Eric C. Huang said, "Acne is caused, in part, by *P. acnes* bacteria that are with you your whole life" and we couldn't create a vaccine for the bacteria because, in some ways, *P. acnes* are good for you. But we found an antibody to a toxic protein that *P. acnes* bacteria secrete on skin "the protein is associated with the inflammation that leads to acne."

In simpler terms, the vaccine will block the acne-causing effects of the bacteria without killing those bacteria, voila, problem solved! The scientists have already achieved successful results conducted on skin biopsies and will soon be testing it on patients in clinical trials. Success in these tests will prove to be extremely revolutionary and everyone could be spot-free. The results of these tests and process of clinical trials will take as many as two years to complete.

A lot of people have been overwhelmingly emailing the scientists who found the acne vaccine about the release and cost for the treatment but nothing has been officially declared by the scientists. So before you rejoice over the miraculous shot that will lead you to beautiful acne-free spotless everlasting (stop dreaming) skin, there's still a long way for the vaccine to go before it hits the market.