

Are interrupted molecules the solution to infection disease?

Valentina Besa, Sofía Merino, Florencia Coñomán. Colegio Dunalastair Peñalolén. 2020.

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Abstract

There are people that doesn't get vaccinated for several reasons, such as, fear to needles, to the secondary effects, or other thoughts about vaccines, but there is a solution which is that some molecules that we can find in our skin.

Keywords

Biotechnology Red, Vaccines, immune system, Microbiome, Interruption molecules

Introduction

Vaccines are necessary because they protect or prevent us from catching a disease, caused by some bacteria and virus. If we don't get vaccinated, we have the risk to get ill with a microorganism that can be very dangerous for us, causing dead or harm to many babies, children or adults, including us. In the case of some people they don't get vaccinated due to fear of needles, or they think that there are not necessary or also that they are dangerous because they have secondary effects. Not get vaccinated can bring a lot of bad and dangerous consequences.

Methodology

1. Investigate which bacteria belongs to the microbiome (beneficial bacteria) and which are responsible for taking care of pathogens(bacteria harmful to health).
2. Obtain and let the bacteria grow in a laboratory.
- 3.Genetically modify those bacteria to produce: antibiotics and interrupted molecules which should prevent some diseases.
4. Test the interrupted molecules on human skin.
5. Analyze the results.

Fi.1: Examples of different vaccines.



Problem

Some people do not like to get vaccinated, because they are afraid of needles, or to the secondary effects of vaccines, and other reasons. This could affect them, and bring a lot of several consequences. Not get vaccinated can bring consequences like get exposed to the risk of becoming seriously ill and suffering pain, disability, and even death from diseases such as measles and whooping cough. But there is a solution which is a special pill that have the same effects in the body as vaccines.

Solution

We create a novel type of molecules: interruption molecules. This molecules, prepare the battlefield against the new pathogens. The interruption molecules are like a vaccines molecules, but are produced by microorganism of the skin. Ours microbiome is the answer to this problematic. Our immune system recognizes the molecules and create a controlled immune response.

References

<https://www.cdc.gov/vaccines/parents/FAQs-sp.html>

<https://www.lainformacion.com/asuntos-sociales/por-que-hay->

Fig.2: Cartoons that represent microorganisms of the microbiome.

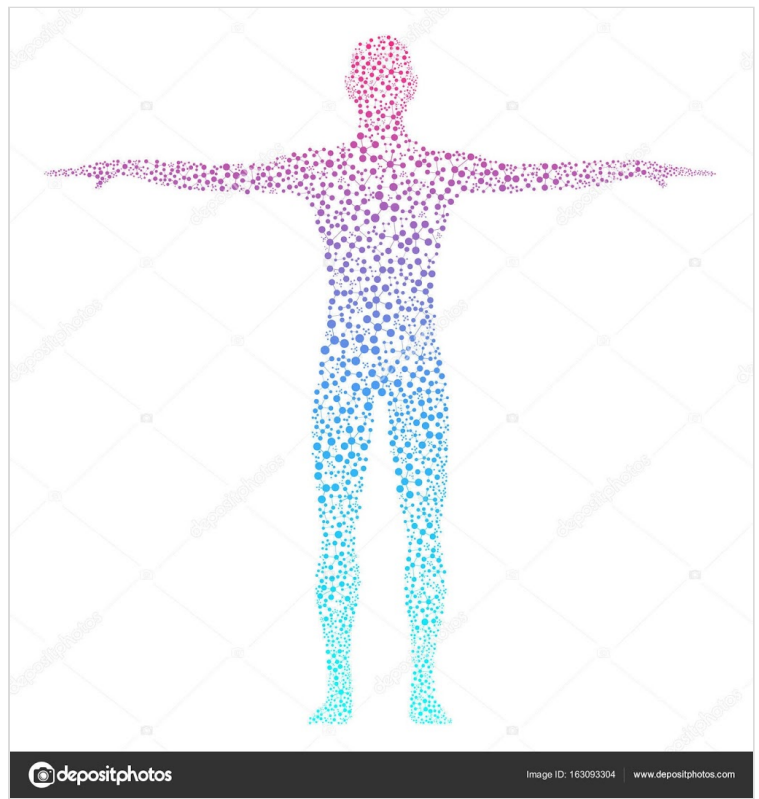
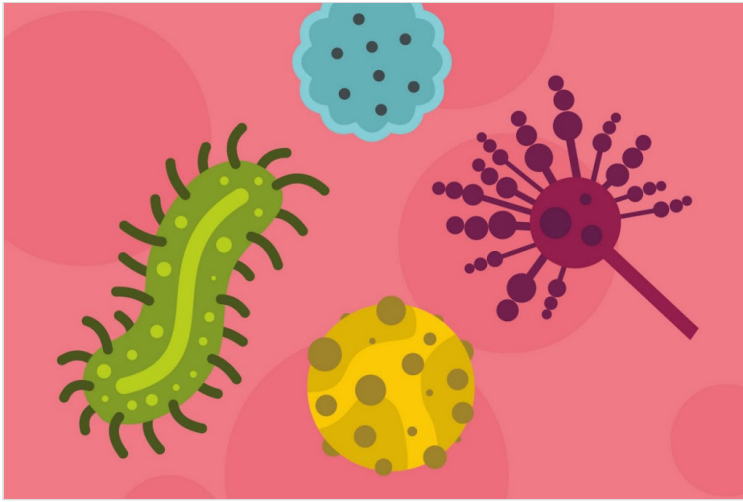


Fig.3: Representation of body with interrupted molecules.
