

Artificial Intelligence: Can robot doctors determine the right gene-linked drugs?

Using a computational platform and your DNA, bioinformatics startup InsideDNA aims to determine the right drug interaction for your body.

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It works by using data to look for an association between genes and diseases and then checking if proteins produced by those genes associated with a disease are suitable drug targets.

The combination of artificial intelligence, supercomputers, and drug discovery is a growing field in medicine — and some fear a computer could one day replace doctors. For example, IBM's Watson, a powerful cognitive computer that beat humans to become the Jeopardy world champion, was able to [accurately determine](#) the ailment of a Japanese woman in 10 minutes after years of misdiagnoses from human doctors.

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The bigger concern isn't whether we're getting robot doctors in the future, but privacy concerns. Patients need to voluntarily offer their DNA data. However, accurate diagnoses would rely on a vast and diverse repository of genetic information.

Right now InsideDNA says its biggest challenge isn't privacy, but establishing credibility in the biopharma world.

The GLP aggregated and excerpted this blog/article to reflect the diversity of news, opinion, and analysis. Read full, original post: [InsideDNA looks deep into DNA to find the best drug targets](#)