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### **Science Finally Explains How Cannabis Kills Cancer Cells And It's Pretty Amazing**



[Anjali Bisaria](#)

September 3, 2015

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Only recently we had published an article explaining how scientists at the National Institute of Health (NIH) have found cannabis to be a potential killer of cancer cells. You can read the article [here](#).

On that note, we're going to talk about a scientific explanation that supports the NIH claim: "cannabis and cannabinoids may have benefits in treating the symptoms of cancer or the side effects of cancer therapies."

A molecular biologist, Dr Christina Sanchez, at the Complutense University in Madrid (Spain) spells out the exact mechanism at work, wherein the THC - "the main psychoactive constitute of the cannabis plant" - completely destroys the cancer cells.



ACS

Cannabinoids is a group of compounds that comprise cannabiol and the active components of cannabis. These bring the cannabinoid receptors in our body alive. Dr Sanchez explains how our body itself produces endocannabinoids that activate various processes within, "creating a healthy environment". According to her, it's important to note that cannabis has the potential to kill anything cancerous, without giving birth to any psychoactive effects.



emaze

Because cannabinoids aid towards strengthening the immune system, these have proven instrumental in killing cancer cells. There are instances to prove that cancer patients have registered a health boost by using cannabis as part of their treatment, in a short span of time.

The necessary ingredient, cannabinoid, however can't be supplied into our systems through smoking. According to Dr Sanchez, using the plant works best when it's eaten or when its oil is extracted. It's also important to note here that cannabis still has some ground to cover before it can rub shoulders with chemotherapy.

But it definitely seems that the world's come full circle in treating cannabis as a medicinal plant rather than a plant that kills. Watch Dr Sanchez explain this mechanism in her own words:



**Dr. Christina Sanchez**

from Cannabis Planet

05:22 |



**HD**

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**Michael Vipperman** · Toronto, Ontario

This article does not deliver on the title. There is no explanation here... the video just lists some components of the cannabinoid system, and lists some effects, but does not attempt to tie any of them together or to show how they interact to produce those effects.

to tie any of them together or to show how they interact to produce those effects

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**Macs Milligan** · Marquee Erector Extremist at 24 Carrot Promotions

they still want to hide things from us see

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**Lisa Workman** · Muncie, Indiana

I totally agree with your response, (Michael Vipperman) I quit watching as soon as it felt like a politician avoiding an answer at about half way through.

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**Ayush Agrawal** · Accounting Intern at Prayash Steel

Click bait.

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**Corey Dean** · Heavy Equipment Operator at General Air

I used marijuana throughout my entire chemo treatment. It is far better than any pharma drugs at managing pain, nausea, sleep, appetite, and almost all side effects.

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**Debanshu Roy** · Bhavan's College

could you explain how did you use it, by smoking ? oils, tabs etc ?

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**Corey Dean** · Heavy Equipment Operator at General Air

I smoked and used high potency edibles

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**Conrad Bester** · Marketing Manager at Jade Champagne Bar & Lounge

Debanshu Roy Smoking is one of the least effective ways of receiving CBD's and even THC into the body, Standard cancer treatment is a rice grain size of high quality oil injected orally once a day. Although smoking is probably more fun! I have seen the effects of this treatment with my own eyes, and highly recommend this method.

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**Richy Lawson** · Works at Underwater Wood Welders Ltd

This women is talking shit best man to see would be Rick Simpson

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**Michael Vipperman** · Toronto, Ontario

She's not talking shit. Everything she said is correct -- she just didn't really say much of anything at all, is more the problem. At least nothing in the way of an explanation.

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**Danny Nicholson** · Transport at Manchester Airport

Now we need to Lobby ALL MP's to get legalisation!!! End this madness NOW!!!

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**Simon Ferrett** · Canterbury, Kent

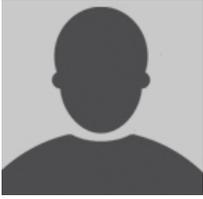
any help to get this plant legal to me is all good ,even if its lacking in details .. appy days

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### NASA's New Spacecraft Will Hitchhike Across The Galaxy



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NASA scientists have designed the concept of a spacecraft that would hitch rides on comets and asteroids by spearing them with tethers.

Comet Hitchhiker is a concept for orbiting and landing on comets and asteroids using the kinetic energy - the energy of motion - of these small bodies.

"Hitchhiking a celestial body is not as simple as sticking out your thumb, because it flies at an astronomical speed and it won't stop to pick you up. Instead of a thumb, our idea is to use a harpoon and a tether," said Masahiro Ono, the principal investigator based at NASA's Jet Propulsion Laboratory, Pasadena.

A reusable tether system would replace the need for propellant for entering orbit and landing, so running out would not be an issue, according to the concept design.

While closely flying by the target, the spacecraft would first cast an extendable tether toward the asteroid or comet and attach itself using a harpoon attached to the tether.

Nasa

Next, the spacecraft would reel out the tether while applying a brake that harvests energy while the spacecraft accelerates. Once the spacecraft matches its velocity to the comet or asteroid it is ready to land by simply reeling in the tether and descending gently.

When it's time to move on to another celestial target, the spacecraft would use the harvested energy to quickly retrieve the tether, which accelerates the spacecraft away from the body.

"This kind of hitchhiking could be used for multiple targets in the main asteroid belt or the Kuiper Belt, even five to 10 in a single mission," Ono

said.

Ono and colleagues have been studying whether a harpoon could tolerate an impact of this magnitude, and whether a tether could be created strong enough to support this kind of manoeuvre.

Researchers have come up with what they call the Space Hitchhike Equation, which relates the specific strength of the tether, the mass ratio between the spacecraft and the tether, and the change in velocity needed to accomplish the manoeuvre.

In missions that use conventional propellant, spacecraft use a lot of fuel just to accelerate enough to get into orbit.

"In Comet Hitchhiker, accelerating and decelerating do not require propellant because the spacecraft is harvesting kinetic energy from the target," Ono said.

For any spacecraft landing on a comet or asteroid, being able to slow down enough to arrive safely is critical. Comet Hitchhiker requires a tether made from a material that can withstand the enormous tension and heat generated by a rapid decrease in speed for getting into orbit and landing.

Ono and colleagues calculated that a velocity change of about 1.5 kilometres per second is possible with some materials that already exist: Zylon and Kevlar.

Researchers also estimated that the tether would need to be about 100 to 1,000 kilometres for the hitchhiking manoeuvre to work. It would also need to be extendable, and capable of absorbing jerks on it, while avoiding being damaged or cut by small meteorites.

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