

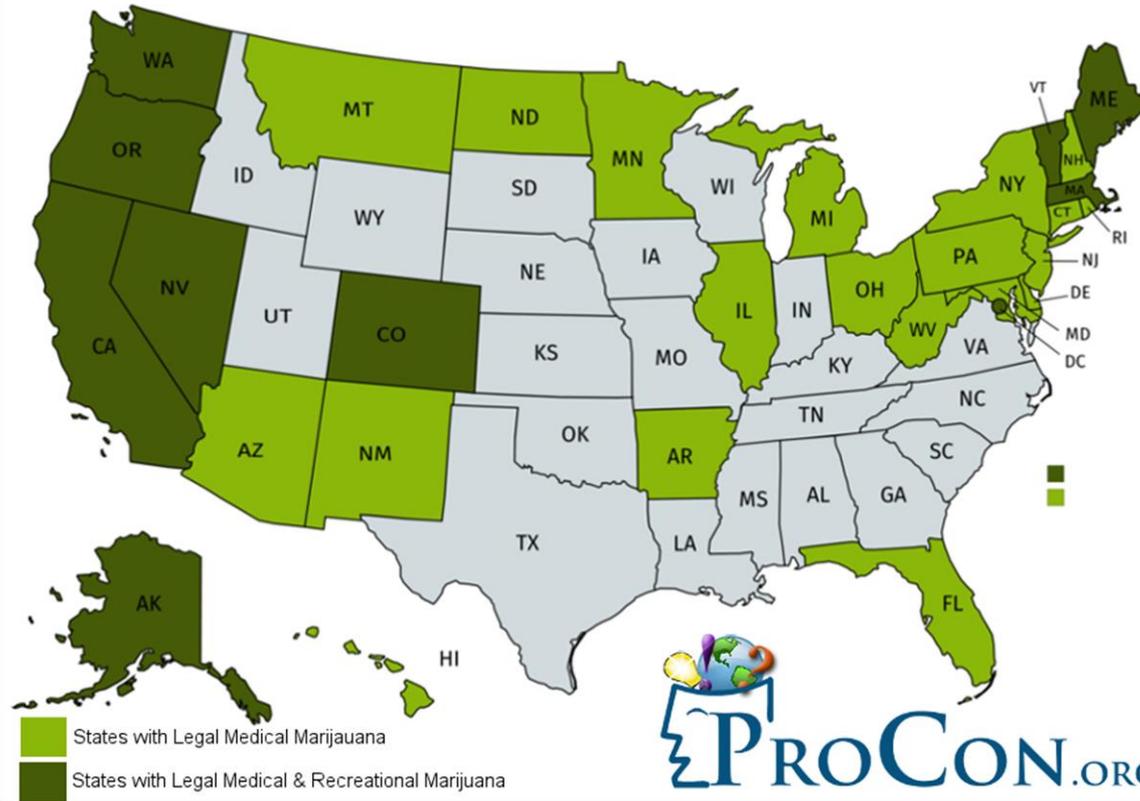


# ENERGETIC HEALTH MEDICAL MARIJUANA & CBD

*A DR. H MEDITATION ©2018*

AS OF  
2018

## 29 Legal Medical Marijuana States & DC 9 Legal Recreational Marijuana States & DC



<https://medicalmarijuana.procon.org/view.resource.php?resourceID=000881>

# CLINICAL SUMMARY

- $\Delta^9$  THC (Tetrahydrocannabinol) acts as a exogenous '**NEUROTRANSMITTER SUBSTITUTE**' for endogenous Anandamide on CB1 Receptors.
- Seek/Recommend **CLEAN GREEN CERTIFIED MMJ** (Medical Marijuana) to avoid contamination with Pesticides like Glyphosate (Monsanto's Roundup) and other Carcinogenic Chemicals.
- Edible MMJ can help induce **CELLULAR AUTOPHAGY** similar to **WATER FASTING**. Autophagy **PRECEDES** Apoptosis.
- **CBD DOMINATE** strains have proven effective stability neurologic storms consistent with Seizures, Multiple Sclerosis, Parkinson's Tremors, and more.



# PARTICIPATION TIME

- Does Medical Marijuana have a positive effect upon more than just the Nervous System?



# CANNABINOID RECEPTORS

<http://www.ncbi.nlm.nih.gov/pubmed/18426493>

J Neuroendocrinol. 2008 May;20 Suppl 1:10-4. doi: 10.1111/j.1365-2826.2008.01671.x.

**Cannabinoid receptors: where they are and what they do.**

Mackie K<sup>1</sup>.

## Abstract

- The endocannabinoid system consists of the endogenous cannabinoids (endocannabinoids), cannabinoid receptors and the enzymes that synthesise and degrade endocannabinoids. Many of the effects of cannabinoids and endocannabinoids are mediated by two G protein-coupled receptors (GPCRs), CB(1) and CB(2), although additional receptors may be involved. ***CB(1) receptors are present in very high levels in several brain regions and in lower amounts in a more widespread fashion. These receptors mediate many of the psychoactive effects of cannabinoids. CB(2) receptors have a more restricted distribution, being found in a number of immune cells and in a few neurones.*** Both CB(1) and CB(2) couple primarily to inhibitory G proteins and are subject to the same pharmacological influences as other GPCRs. Thus, partial agonism, functional selectivity and inverse agonism all play important roles in determining the cellular response to specific cannabinoid receptor ligands.

# CANNABINOID RECEPTORS



- *CB1*
- *Primary Location: Nervous System*
- *Activated by: Anandamide &/or THC*



- *CB2*
- *Primary Location: Immune System*
- *Activated by: Anandamide &/or THC*
- *Stimulated by: CBD*

LET'S ALKALIZE OUR THOUGHTS



**WHAT'S GOOD**

The text "WHAT'S GOOD" is rendered in a bold, black, sans-serif font with a slight 3D effect. It is centered within a white rectangular box that has a subtle drop shadow. The text is surrounded by a dense, chaotic arrangement of colorful streamers or ribbons in various colors including red, yellow, green, blue, and purple, creating a vibrant and energetic background for the words.

# ENDOCANNABINOID SYSTEM

<http://norml.org/library/item/introduction-to-the-endocannabinoid-system>

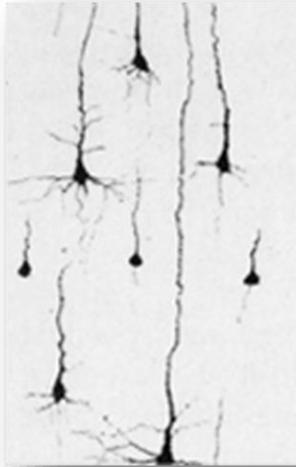
## Introduction to the Endocannabinoid System

Dustin Sulak, Doctor of Osteopathy

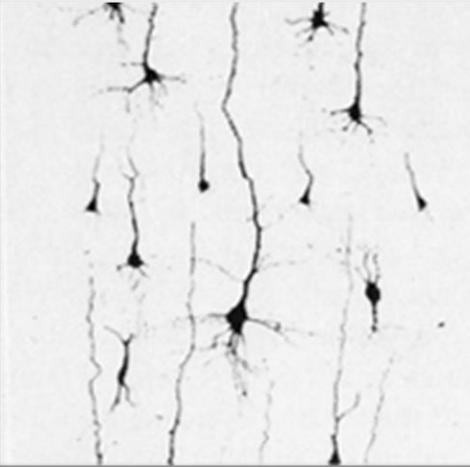
- Cannabinoids promote homeostasis at every level of biological life, from the sub-cellular, to the organism, and perhaps to the community and beyond. ***Here's one example: autophagy, a process in which a cell sequesters part of its contents to be self-digested and recycled, is mediated by the cannabinoid system. While this process keeps normal cells alive, allowing them to maintain a balance between the synthesis, degradation, and subsequent recycling of cellular products, it has a deadly effect on malignant tumor cells, causing them to consume themselves in a programmed cellular suicide.*** The death of cancer cells, of course, promotes homeostasis and survival at the level of the entire organism.
- Endocannabinoids and cannabinoids are also found at the intersection of the body's various systems, allowing communication and coordination between different cell types. ***At the site of an injury, for example, cannabinoids can be found decreasing the release of activators and sensitizers from the injured tissue, stabilizing the nerve cell to prevent excessive firing, and calming nearby immune cells to prevent release of pro-inflammatory substances.*** Three different mechanisms of action on three different cell types for a single purpose: ***minimize the pain and damage caused by the injury.***
- ***The endocannabinoid system, with its complex actions in our immune system, nervous system, and all of the body's organs, is literally a bridge between body and mind.*** By understanding this system we begin to see a mechanism that explains how states of consciousness can promote health or disease.

## FROM MOLECULES FOR HAPPINESS WEBINAR

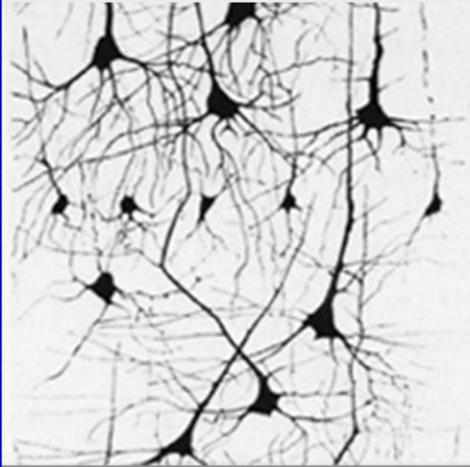
# HOW YOUR BRAIN GROWS...JUST LIKE A SEED



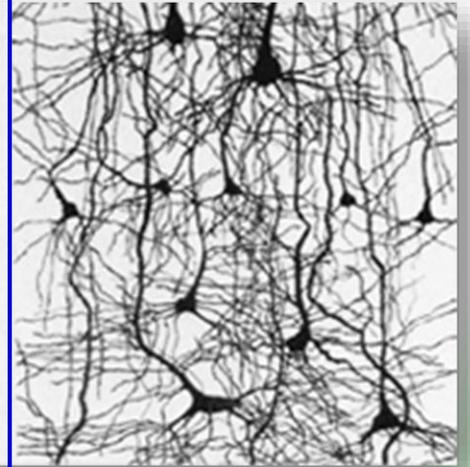
Bored &  
Nutrient  
Deficient



Introduction  
of Nutrients



Nutrients &  
Learning  
Something  
New



Nutrients,  
Newness &  
Meditation  
...& MMJ?

<b>Molecules</b>	<b>Produced By</b>	<b>Happiness Effect</b>
Serotonin	Alkalinity & Good Digestion	Joy of Healthy Digestion
Endorphins	After Sweating & Exercising	Joy of Moving Your Body
Melatonin	7+ Hours of Continuous Sleep	Joy of Dreaming
Oxytocin	Massage, Kissing, Getting It On	Joy of Being Touched
Endocannabinoids	Meditation, Enjoying Your Life	Joy of Mindful Bliss
GABA	Meditation, Chilling Out	Joy of Living At Your Pace
Dopamine	Accomplishing Life Goals	Joy of Giving Compliments
Adrenaline	Using Fear As Motivation	Joy of Courage

# ENDOCANNABINOIDS - ANANDAMIDE

- **The 'Bliss' Molecule:** One of 109 Endocannabinoids
- **Nutrients Needed:** Omega 6 Fatty Acids, Saturated Fats, Arachidonic Acid, Lecithin (Ethanolamine)
- **Half-Life:** 3-14 Days
- **Stimulated By:** Meditation, Trust, Belief, Forgiveness
- **Energetics:** 7<sup>th</sup> Chakra (Anandamide – Bliss)

## Advice

***A Student Told Her Teacher She Didn't Have 20 Minutes To Meditate Each Day...***

***Her Teacher Said, 'GREAT! Meditate for 30.'***

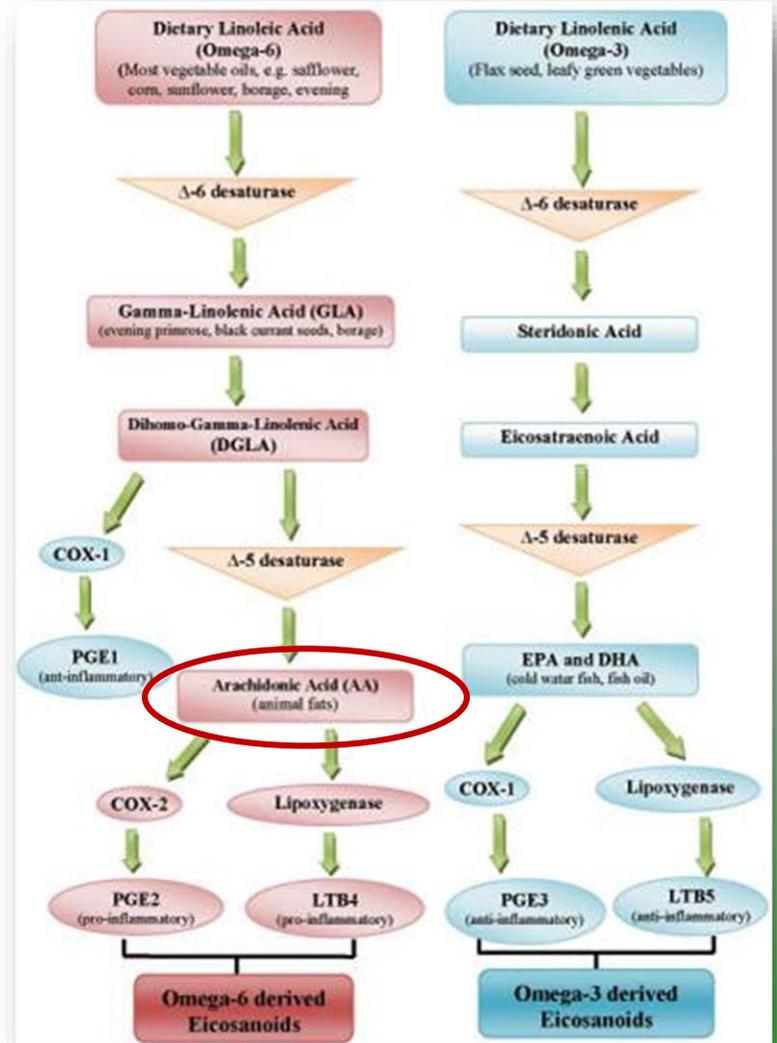


# ARACHIDONIC ACID

What if the solutions to our problems were this simple?

## Is Meat The Only Source Of Arachidonic Acid?

Let's See 😊



# SMOKING & VAPING

- When Any Oil Reaches Its **SMOKE POINT**...what has happened to the Fatty Acid?
- What Type of Epithelia is Lung Tissue?



<https://www.leafly.com/news/health/vaping-vs-smoking-marijuana-safety>

<https://www.ncbi.nlm.nih.gov/pubmed/19852551>

## Cannabis smoke condensate III: the cannabinoid content of vaporised Cannabis sativa.

Pomahacova B<sup>1</sup>, Van der Kooy F, Verpoorte R. Inhal Toxicol. 2009 Nov.21(13):1108-12

### Abstract

- The methods of administration for medicinal purposes are mainly through oral ingestion, smoking, and nowadays also inhalation through vaporization.
- During this study the commercially available Volcano vaporizing device was compared with cannabis cigarette smoke. The cannabis smoke and vapor (obtained at different temperatures) were quantitatively analyzed by high-performance liquid chromatography (HPLC). In addition, different quantities of cannabis material were also tested with the vaporizer.
- **The cannabinoids:by-products ratio in the vapor obtained at 200C (392F) and 230C (446F) was significantly higher than in the cigarette smoke. The worst ratio of cannabinoids:by-products was obtained from the vaporized cannabis sample at 170C (338F).**



# KITCHEN GUIDE™

**SELECT THE APPROPRIATE OIL FOR GREAT COOKING RESULTS**

▼ USES	TEMPERATURE ▼	STOVE SETTING	▼ OIL TYPE	SMOKE POINT ▼
<b>All Purpose Cooking</b>	Up to 500°F		<b>CLASS 4 • HIGH HEAT OILS REFINED OILS (NEUTRAL FLAVOR)</b>	
Sear		<b>HIGH</b>	Supercanola	520°F / 271°C
Brown			Arapacado	520°F / 271°C
Deep-Fry			Rice Bran	500°F / 260°C
Tempura			Almond	495°F / 257°C
Breaded Fry			Apricot Kernel	495°F / 257°C
Fry			Cocconut	450°F / 232°C
			High-Oleic Safflower	450°F / 232°C
	High-Oleic Sunflower	450°F / 232°C		
	Palm	450°F / 232°C		
	Peanut	450°F / 232°C		
	Soy Bean	450°F / 232°C		
<b>Baking &amp; Sautéing</b>	Up to 375°F		<b>CLASS 3 • MEDIUM-HIGH HEAT OILS SEMI-REFINED OILS (MILD FLAVOR)</b>	
Bake		<b>MED HIGH</b>	Canola	400°F / 204°C
Crisp Sauté			Grapeseed	400°F / 204°C
Medium Stir-Fry			Walnut	400°F / 204°C
Medium Wok-Fry			High-Oleic Sunflower	375°F / 191°C
Oven Cook			Canola (organic)	350°F / 177°C
			Safflower	350°F / 177°C
			Sesame	350°F / 177°C
	Soy Bean	350°F / 177°C		
	Sunflower	350°F / 177°C		
<b>Light Sautéing &amp; Saucing</b>	Up to 320°F		<b>CLASS 2 • MEDIUM HEAT OILS UNREFINED OILS (FULL SEED &amp; NUT FLAVOR)</b>	
Sauce		<b>MED</b>	High-Oleic Sunflower	325°F / 163°C
Low Heat Bake			High-Oleic Safflower	325°F / 163°C
Light Sauté			Olive	325°F / 163°C
Pressure Cook			Corn	300°F / 149°C
			Safflower	300°F / 149°C
			Soy Bean	300°F / 149°C
			Sunflower	300°F / 149°C
	Peanut	275°F / 135°C		
	Pumpkinseed	250°F / 121°C		
	Walnut	250°F / 121°C		
	Sesame	250°F / 121°C		
<b>Soups &amp; Salads</b>			<b>CLASS 1 • NO HEAT OILS NUTRITIONAL OILS (FULL SEED &amp; NUT FLAVOR)</b>	
Use these oils as nutritional supplements, dips and dressings, or add to a dish after it has been removed from heat.			Wild Blend (Salmon, Cod, Mackinac)	235°F / 112°C
			Flax	225°F / 107°C
			Branding Pinarosse	225°F / 107°C
			Soybean	225°F / 107°C
			Black Currant	225°F / 107°C
			Hemp	225°F / 107°C
			White Germ	225°F / 107°C



**KELVIN SAYS:**  
"For Best Health Benefits, Follow My Recommendations!"

NOTE: The Flash Point of any oil ranges from 30-45 degrees higher than its Smoke Point. Never allow an oil to reach its Smoke Point or its corresponding nutritional value of the oil.

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# ENDOCANNABINOID SYSTEM

<http://norml.org/library/item/introduction-to-the-endocannabinoid-system>

## Introduction to the Endocannabinoid System

Dustin Sulak, Doctor of Osteopathy

- Endocannabinoids are the substances our bodies naturally make to stimulate these receptors. The two most well understood of these molecules are called [anandamide](#) and [2-arachidonoylglycerol \(2-AG\)](#). They are synthesized on-demand from cell membrane arachidonic acid derivatives, have a local effect and short half-life before being degraded by the enzymes fatty acid amide hydrolase (FAAH) and monoacylglycerol lipase (MAGL).
- *Think of THC as an Exogenous Substitute for Anandamide*
- *Perhaps this is one of the reasons why love to eat fatty foods...our body is designed to transform them into happiness even if only for a few minutes. Just a thought.*

# CANNABIS & THE BRAIN

<https://academic.oup.com/brain/article/126/6/1252/330602>

## Cannabis & The Brain - Leslie Iversen

*Brain*, A Journal of Neurology, Volume 126, Issue 6, 1 June 2003, Pages 1252–1270

### Abstract

- The active compound in herbal cannabis,  $\Delta^9$ -tetrahydrocannabinol, exerts all of its known central effects through the CB<sub>1</sub> cannabinoid receptor. Research on cannabinoid mechanisms has been facilitated by the availability of selective antagonists acting at CB<sub>1</sub> receptors and the generation of CB<sub>1</sub> receptor knockout mice.
- Particularly important classes of neurons that express high levels of CB<sub>1</sub> receptors are GABAergic interneurons in hippocampus, amygdala and cerebral cortex, which also contain the neuropeptides cholecystokinin.
- **Activation of CB<sub>1</sub> receptors leads to inhibition of the release of amino acid and monoamine neurotransmitters. The lipid derivatives anandamide and 2-arachidonylglycerol act as endogenous ligands for CB<sub>1</sub> receptors (endocannabinoids).** They may act as retrograde synaptic mediators of the phenomena of depolarization-induced suppression of inhibition or excitation in hippocampus and cerebellum. Central effects of cannabinoids include disruption of psychomotor behaviour, short-term memory impairment, intoxication, stimulation of appetite, antinociceptive actions (particularly against pain of neuropathic origin) and anti-emetic effects.
- Although there are signs of mild cognitive impairment in chronic cannabis users there is little evidence that such impairments are irreversible, or that they are accompanied by drug-induced neuropathology. A proportion of regular users of cannabis develop tolerance and dependence on the drug. Some studies have linked chronic use of cannabis with an increased risk of psychiatric illness, but there is little evidence for any causal link.

# PARTICIPATION TIME

- Can Happiness (Anandamide) Literally Kill (Apoptosis) Cancer Cells?



# MMJ & AUTOPHAGY

<http://www.jci.org/articles/view/37948>

## Cannabinoid action induces autophagy-mediated cell death through stimulation of ER stress in human glioma cells

María Salazar,<sup>1,2</sup> Arkaitz Carracedo,<sup>1</sup> Íñigo J. Salanueva,<sup>1</sup> Sonia Hernández-Tiedra,<sup>1</sup> Mar Lorente,<sup>1,2</sup> Ainara Egia,<sup>1</sup> Patricia Vázquez,<sup>3</sup> Cristina Blázquez,<sup>1,2</sup> Sofía Torres,<sup>1</sup> Stephane García,<sup>4</sup> Jonathan Nowak,<sup>4</sup> Gian María Fimia,<sup>5</sup> Mauro Piacentini,<sup>5</sup> Francesco Cecconi,<sup>6</sup> Pier Paolo Pandolfi,<sup>7</sup> Luis González-Feria,<sup>8</sup> Juan L. Iovanna,<sup>4</sup> Manuel Guzmán,<sup>1,2</sup> Patricia Boya,<sup>3</sup> and Guillermo Velasco<sup>1,2</sup>

First published April 1, 2009

- ***Our data indicate that THC induced **ceramide accumulation** and eukaryotic translation initiation factor 2 $\alpha$  (eIF2 $\alpha$ ) phosphorylation and thereby activated an ER stress response that promoted **autophagy** via tribbles homolog 3–dependent (TRB3-dependent) inhibition of the Akt/mammalian target of rapamycin complex 1 (mTORC1) axis. We also showed that **autophagy is upstream of apoptosis in cannabinoid-induced human and mouse cancer cell death and that activation of this pathway was necessary for the antitumor action of cannabinoids in vivo.** These findings describe a mechanism by which THC can promote the autophagic death of human and mouse cancer cells and provide evidence that cannabinoid administration may be an effective therapeutic strategy for targeting human cancers.***

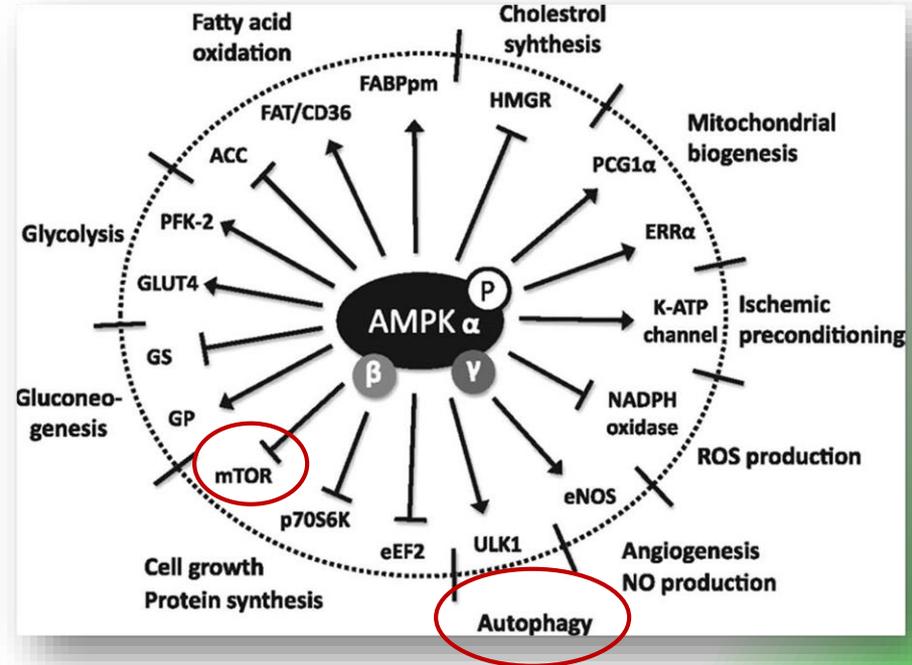
# THC & FASTING HOURS 48 TO 72

## *Autophagy Starts To Peak*

- Next Goal – Let Autophagy & Your Immune Cells devour what shouldn't be there by sleeping as much as possible.

## *What's Happening During Fasting?*

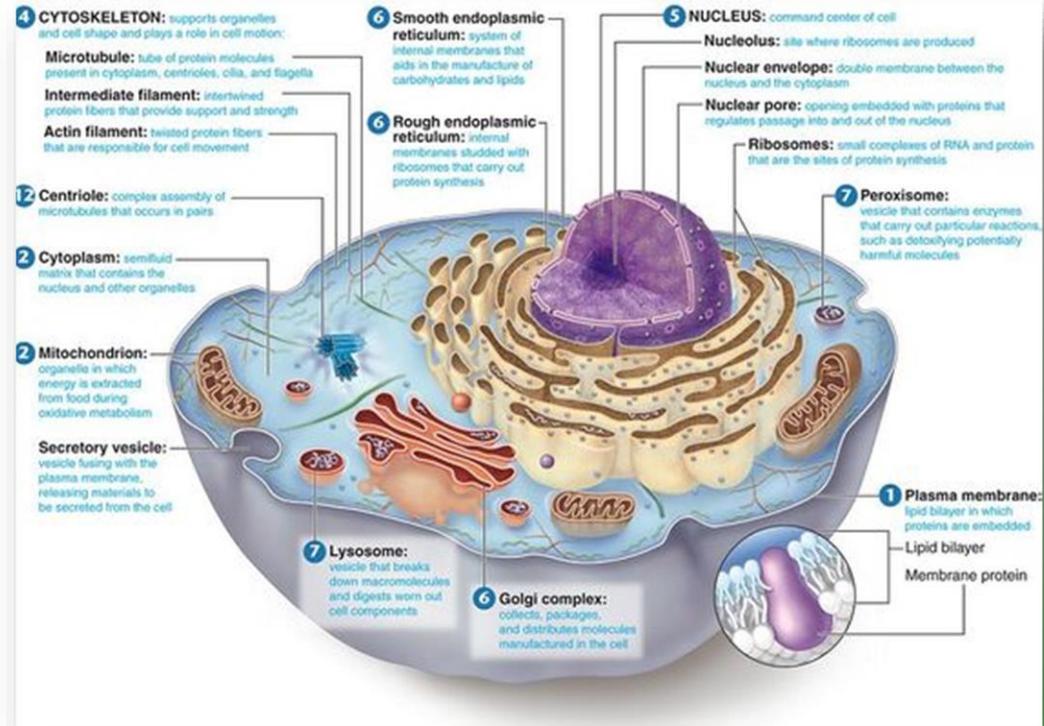
- **Macroautophagy** Peaks by Hour 54
- **Chaparone-Mediated Autophagy** Peaks between Hour 60 and 66.
- **Immune Cell Division** Peaks at Hour 72 and then drops significantly afterward if Fast is prolonged and Glandular Atrophy ensues.



# AUTOPHAGY AKA AUTOPHAGOCYTOSIS

**Definition** - natural, regulated, destructive mechanism of the cell that disassembles unnecessary or dysfunctional components.

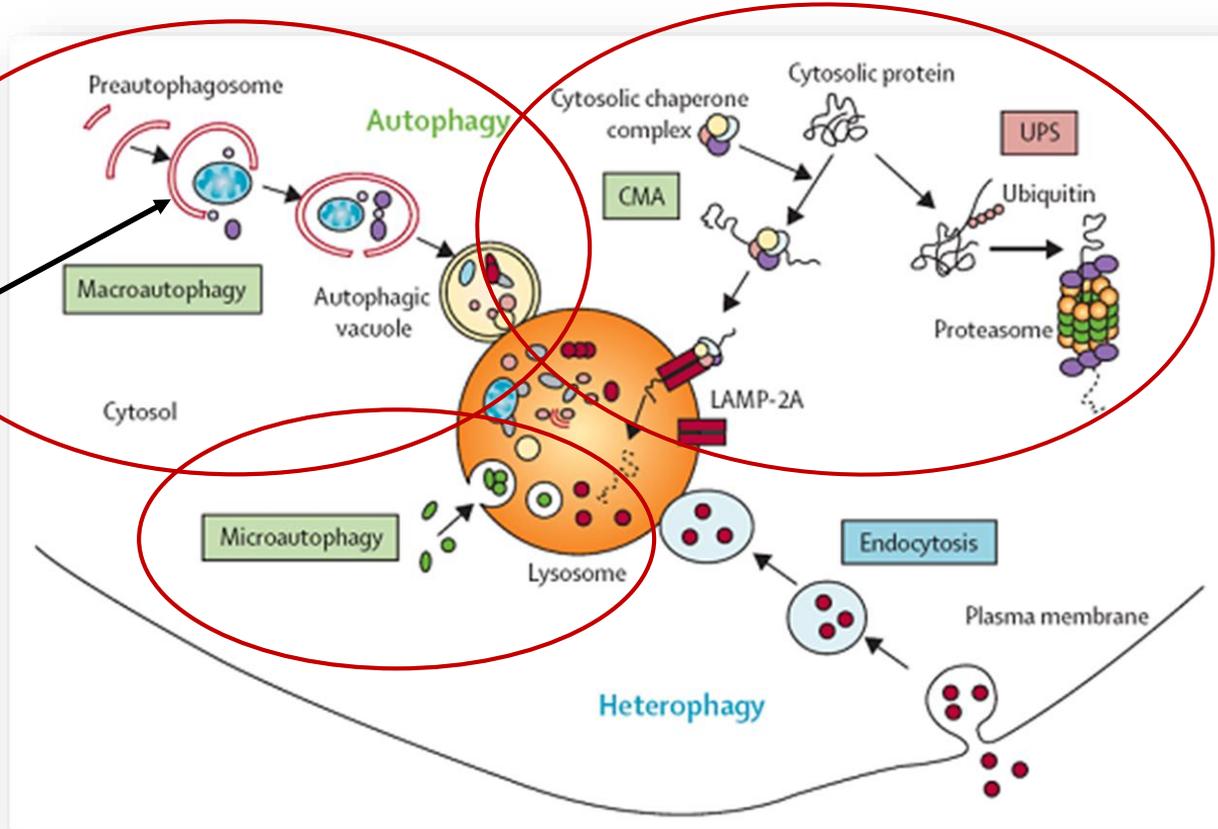
- **Macroautophagy** - main pathway, used to rid cells of damaged organelles and unused proteins.
- **Microautophagy** - direct engulfment of cytoplasmic material into the lysosome.
- **Chaperone-mediated autophagy**, or CMA, involves the recognition by the hsc70-containing complex. This complex then moves to the lysosomal membrane-bound protein that will recognize and bind with the CMA receptor, allowing it to enter the cell for destruction.



# AUTOPHAGY & LYSOSOMES

## Comprised Of:

- Lipids
- Inositol
- Ethanolamine



# CERAMIDE ACCUMULATION

<http://www.cureyourowncancer.org/how-cannabis-oil-works.html>

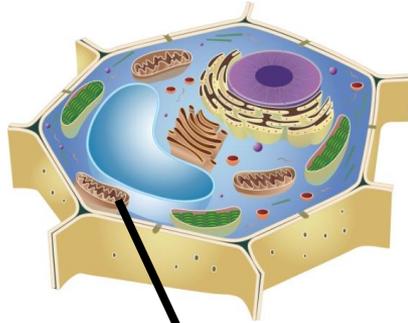
**How Cannabis Oil Works to Kill Cancer Cells** Dennis Hill

- This profile of factors is called the “Sphingolipid Rheostat.” If endogenous ceramide (a signaling metabolite of sphingosine-1-phosphate) is high, then cell death (**apoptosis**) is imminent. If ceramide is low, the cell is strong in its vitality.

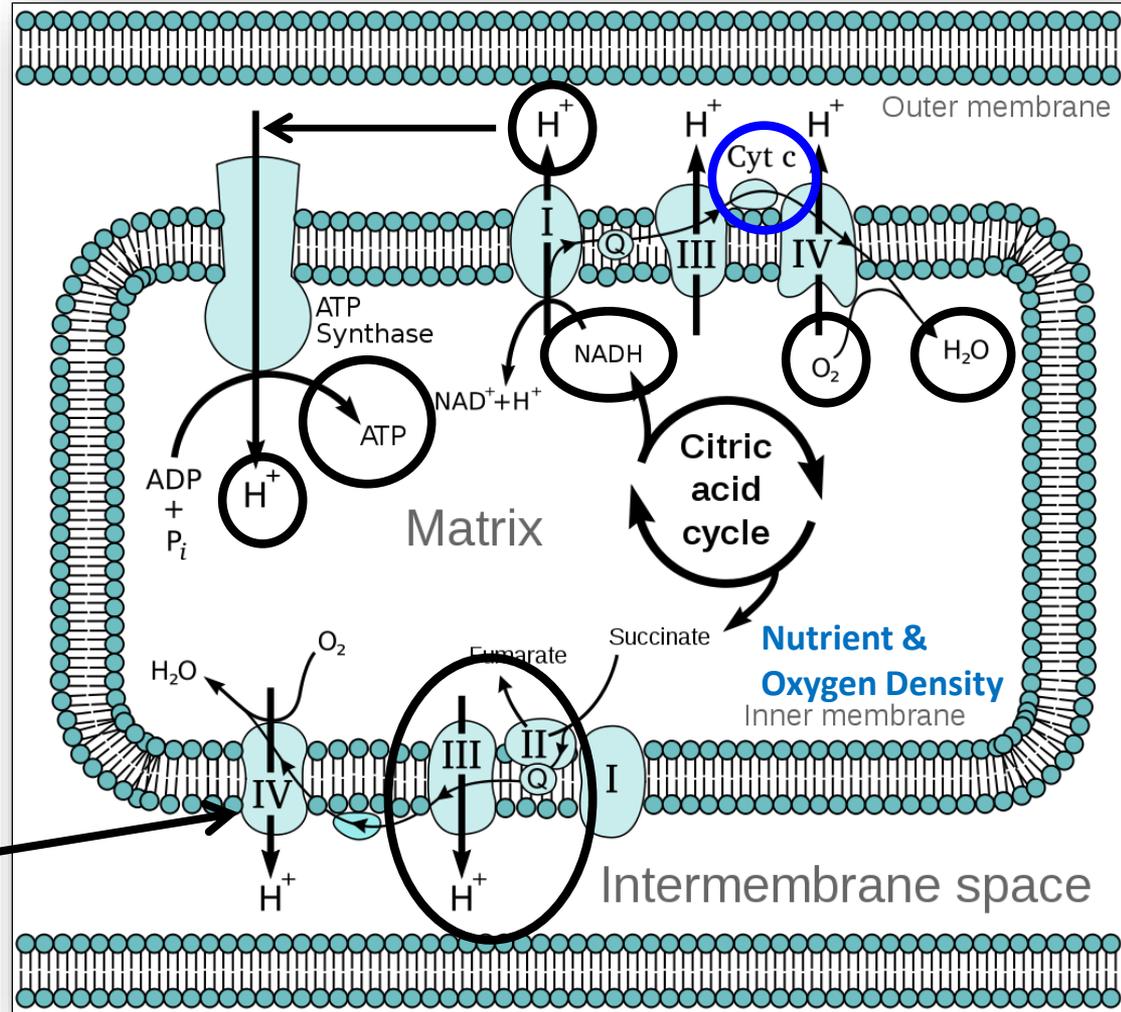
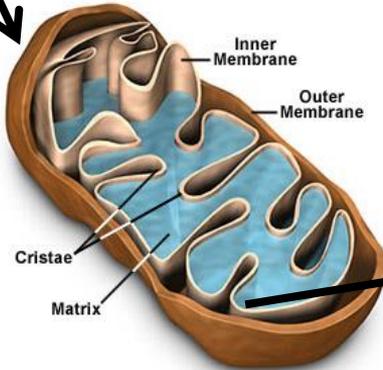
*Very simply, when **THC connects to the CB1 or CB2 cannabinoid receptor site on the cancer cell**, it causes an **increase in ceramide synthesis which drives cell death**. A normal healthy cell does not produce ceramide in the presence of THC, thus is not affected by the cannabinoid.*

***The cancer cell dies, not because of cytotoxic chemicals, but because of a tiny little shift in the mitochondria.*** Within most cells there is a cell nucleus, numerous mitochondria (hundreds to thousands), and various other organelles in the cytoplasm. The purpose of the mitochondria is to produce energy (ATP) for cell use. As ceramide starts to accumulate, turning up **the Sphingolipid Rheostat, it increases the mitochondrial membrane pore permeability to CYTOCHROME C, a critical protein in energy synthesis**. Cytochrome c is pushed out of the mitochondria, killing the source of energy for the cell.

# ELECTRON TRANSPORT CHAIN



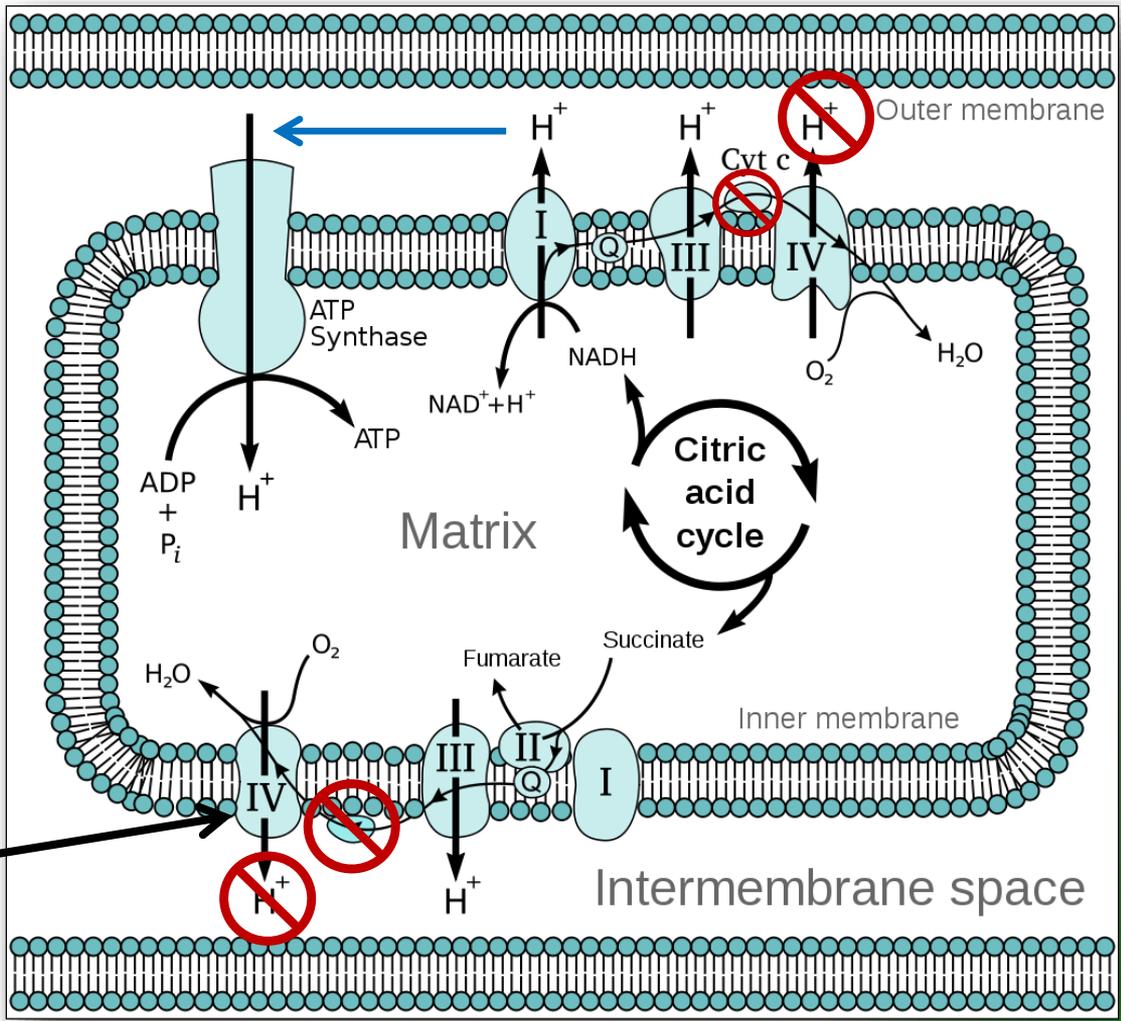
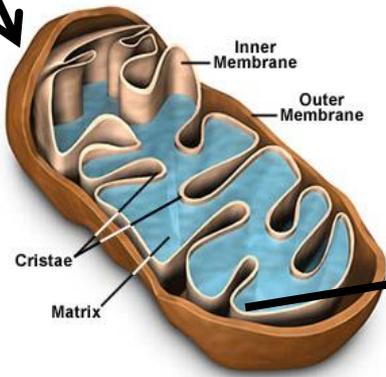
Mitochondria Structural Features



# CYTOCHROME C COMPLEX IV



Mitochondria Structural Features



# CANNABINOID RECEPTORS



- *CB1*
- *Primary Location: Nervous System*
- *Activated by: Anandamide &/or THC*



- *CB2*
- *Primary Location: Immune System*
- *Activated by: Anandamide &/or THC*
- *Stimulated by: CBD*

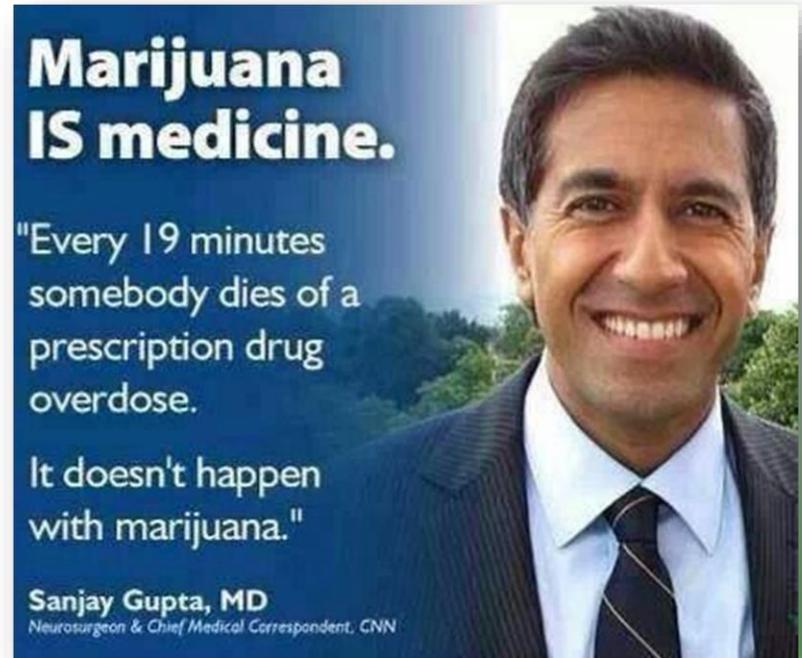
# THC - TETRAHYDROCANNIBINOL

- *Endocannabinoid Cell Receptor: CB1 & CB2*
- *Oral Therapeutic Range: 2.5 to 20mg*
- *Psychoactive: Highly*
- *Indicated For:* ALS (Lou Gehrig's disease), Alzheimer's, Anxiety, Arthritis, Cancer, Chemotherapy side effects, Crohn's Disease, Chronic pain, Fibromyalgia, HIV-related peripheral neuropathy, Huntington's Disease, Insomnia, Multiple Sclerosis, Glaucoma and most Neurologic Disease Processes. Can also be helpful for patients suffering from a lack of appetite and/or wasting (Cachexia).



# THC<sub>A</sub> – TETRAHYDROCANNIBINOLIC ACID

- *Endocannabinoid Cell Receptor: CB1 & CB2*
- *Oral Therapeutic Range: Unknown*
- *Psychoactive: No*
- *Indicated For:* Some recent clinical evidence supports the potential of juicing cannabis to help calm auto-immune conditions such as Lupus. Some limited evidence suggests that it is anti-inflammatory, anti-spasmodic, and can help slow the proliferation of cancer cells
- *Note – Once MMJ is dried THC<sub>a</sub> will convert into THC so any use for THC<sub>a</sub> must be fresh harvested.*



# CBD – CANNABIDIOL

- *Endocannabinoid Cell Receptor: None – Stimulates Binding Activity of CB1 & CB2 Receptors for Activation of Endocannabinoids or Plant Derived Cannabinoids...ie...If you're already a happy person producing a lot of Anandamide then you will feel even happier. If you're not very happy, then it may have little effect.*
- *Oral Therapeutic Range: 57mg to 100mg*
- *Psychoactive: No & Lowers Effects of THC on Nervous System CB1 Receptors while also increasing effectiveness and half-life of THC on CB2 Receptors*
- *Indicated For:* CBD is used to help with acne, ADD, anxiety, arthritis, cancer, chronic pain, depression, diabetes, epilepsy, glaucoma, inflammation, mood disorders, multiple sclerosis, neuropathic pain, Parkinson's, schizophrenia, and neurodegenerative diseases such as Alzheimer's. CBD has also been shown to stop the spread of cancer cells.



# CBD OIL & SEIZURE REDUCTION

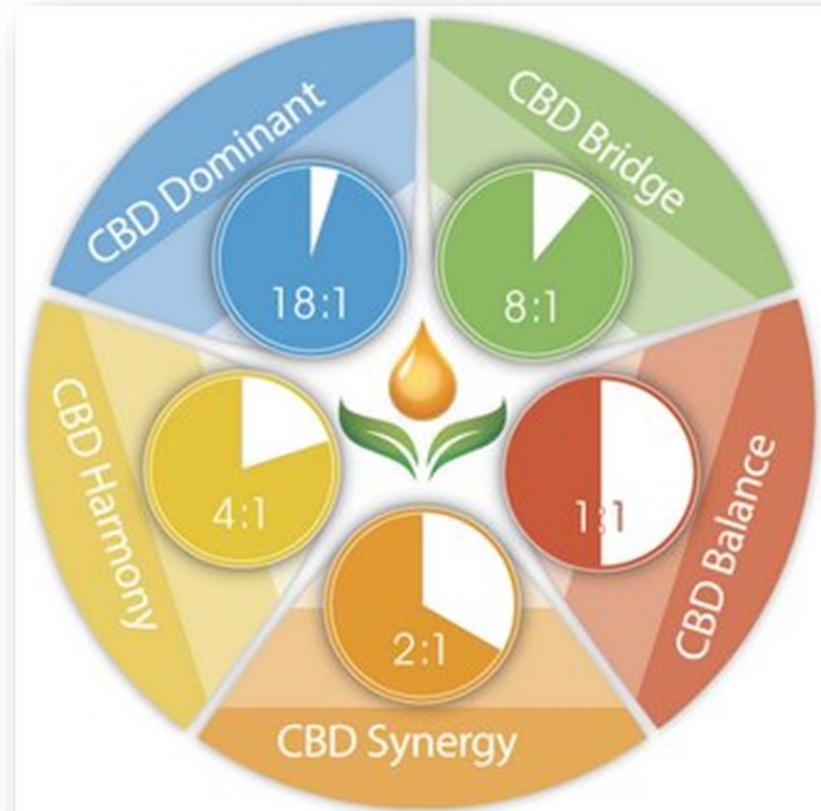
<https://www.scientificamerican.com/article/can-cannabis-treat-epileptic-seizures/>  
Scientific American

- Charlotte Figi, an eight-year-old girl from Colorado with Dravet syndrome, a rare and debilitating form of epilepsy, came into the public eye in 2013 [when news broke](#) that medical marijuana was able to do what other drugs could not: dramatically reduce her seizures. Now, new scientific research provides evidence that cannabis may be an effective treatment for a third of epilepsy patients who, like Charlotte, have a treatment-resistant form of the disease.
- Stories of cannabis's abilities to alleviate seizures have been around for about 150 years but interest in medical marijuana has increased sharply in the last decade with the help of legalization campaigns. In particular, both patients and **scientists have started to focus on the potential benefits of CBD, one of the main compounds in cannabis. Unlike tetrahydrocannabinol (THC), which is responsible for its euphoric effects, CBD does not cause a "high" or pose the same type of risks that researchers have identified for THC, such as addiction and cognitive impairment.** Rather, studies have shown that it can act as an anticonvulsant and may even [have antipsychotic effects](#).



# WHAT'S MY IDEAL CBD:THC RATIO?

- Courtesy of - <https://www.cbd.org/choose-your-cbd-thc-ratio>
- **18:1 CBD Dominant**
  - Children, Anxiety, Depression, Psychosis, Mood Disorders
- **8:1 CBD Bridge**
  - Spasms, Convulsions, Tremors, Endocrine
- **4:1 CBD Harmony**
  - Pain Relief & Immune Support
- **2:1 CBD Synergy**
  - Inflammation, Chronic Pain, Stress Relief
- **1:1 CBD Balance**
  - Neuropathic Pain, Rheumatic Conditions



# ORGANIC MMJ?

## ■ Pesticides & No Regulations for Growing

- “Many of the chemicals applied to pot plants are intended only for lawns and other non-edibles. Medical cannabis samples collected in Los Angeles have been found to contain **pesticide residues at levels 1600 times the legal digestible amount.**”

- <http://www.papaganja.org/marijuana-pesticide-contamination/>
- <http://www.cwanalytical.com/services/>

## ■ Clean Green Certified

- <http://cleangreencert.com/home/>

## ■ Endoca.com – Organic CBD Oil

- <https://www.endoca.com/>

Sample ID: CW8101S01

**CERTIFICATE OF ANALYSIS**  
CW ANALYTICAL LABORATORIES | 510.545.6984

Sample Name: Lemon Jack Shatter  
Client: examplicent  
Sample Type: Wax  
Strain: Lemon Jack  
Moisture: 0.0%

Submitted: March 24, 2016  
Tested: March 24, 2016  
Expires: June 22, 2016

Basic sample information, such as name, client, and date tested appear at the top of the report.

### Cannabinoid Profiling

Analysis of major cannabinoids by advanced chromatography.

	GC/FID		HPLC/DAD	
	Percent	mg/g	Percent	mg/g
Δ9-THC	NA	NA	8.71	87.07
Δ9-THC	NA	NA	0.00	0.00
THCA	NA	NA	66.11	661.10
THCV	NA	NA	0.03	0.31
CBC	NA	NA	0.27	2.69
CBG	NA	NA	0.38	3.82
CBGA	NA	NA	1.66	16.59
CBN	NA	NA	0.29	2.87
CBD	NA	NA	0.05	0.47
CBDV	NA	NA	0.00	0.00
CBDa	NA	NA	0.00	0.00
<b>Total</b>	NA	NA	<b>77.49</b>	<b>774.92</b>

\*12% Decarboxylated THC



Individual and total cannabinoid percentages are shown here, as is the percentage decarboxylation of THC in your sample.

### Microbiological Screening

Health screening for microbiological contamination.

	Count	Limit	Status
APC	0	100,000	Pass
Yeast & Mold	0	10,000	Pass
Coliform	0	100	Pass
E coli	0	10	Pass
Pseudomonas	0	0	Pass
Salmonella	0	0	Pass

\*100% Non-Hermetic To Count

### Chemical Residue Screening

Targeted analysis of chemical residues by GC/ECAD and/or GC/MS.

	PPM	Limit	Status	PPM	Limit	Status	
BHC	0.0	0.1	Pass	Endrin	0.0	0.1	Pass
Bifentazate	0.0	0.1	Pass	Heptachlor	0.0	0.1	Pass
Bifenthrin	0.0	0.1	Pass	Imidacloprid	0.0	0.1	Pass
Chlorfane	0.0	0.1	Pass	Methoxychlor	0.0	0.1	Pass
DDT	0.0	0.1	Pass	Myclobutanil	0.0	0.1	Pass
Dieldrin	0.0	0.1	Pass	Permethrin	0.0	0.1	Pass
Endosulfan	0.0	0.1	Pass	Pyrethrin	0.0	0.1	Pass

Pesticide testing results are displayed here, with each pesticide having its own PPM reading and limit, as well as pass/fail notation.

### Terpene Profiling

Analysis of terpenes by GC/MS.

	Percent		Percent		Percent
b-Myrcene	0.75	Sabinene	0.00	Elemene	0.00
Nerol	0.00	b-Pinene	0.09	Pinelandrene	0.00
Nerolidol	0.06	Camphene	0.02	Isopulegol	0.00
Ocimene	0.16	Eucalyptol	0.00	Linalool	0.12
a-Bisabolol	0.00	(-)-Fenchone	0.00	(+)-Fenchone	0.00
Farnesene	0.00	Fenchol	0.02	a-Caryophyllene	0.38
Valencene	0.01	Camphor	0.00	Guaiol	0.00
Δ5-Carene	0.00	Borneol	0.00	Bergamotene	0.00
d-Limonene	0.16	Pulegone	0.00	Terpinolene	0.03
g-Terpinene	0.00	Cedrol	0.04	Terpinolene	0.49
a-Pinene	0.12	b-Caryophyllene	0.98	a-Terpinene	0.04

Total Terpenes

NA - Non-Detect

3.5 Percent

Terpene test results are displayed here by individual compound, with total terpene percentage displayed at the bottom.

### Residual Solvent Screening

Analysis of residual solvents by GC/MS.

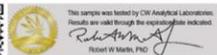
	PPM		PPM		PPM
Acetone	0.0	Hexane	0.0	nButane	0.0
Benzene	0.0	Isobutane	434.3	Pentane	0.0
Chloroform	0.0	Isopentane	0.0	Propane	0.0
Ethanol	0.0	Isopropanol	0.0	Toluene	0.0
Heptane	0.0	Methanol	0.0		

Sum of Residual Solvents

434.3 PPM

Status: Fail (Limit: 400 PPM)

Residual solvent testing results are shown here, with PPM readings for each individual solvent and a pass/fail solvent limit that you can set yourself.



# HERBICIDE - GLYPHOSATE

- Amino Acid Synthesis Inhibitor
  - <http://passel.unl.edu/pages/informationmodule.php?idinformationmodule=1059083105&topicorder=5&maxto=5&minto=1>
- Linked to dramatic rise in Gluten Intolerance as Glyphosate is used to dry down wheat before harvest.
  - <http://www.motherearthnews.com/real-food/~media/2C6428C5A5254BAFB484C6E43E4ADCF9.ashx>
- Induces Apoptosis & Necrosis in Human Umbilical, Embryonic & Placental Cells
  - <http://www.ncbi.nlm.nih.gov/pubmed/19105591>
- Suppress Liver & Kidney Detoxification
  - <http://www.mdpi.com/1099-4300/15/4/1416>
- Damage DNA in Human Cells even when diluted 450 times below recommended minimal dosing
  - <http://www.ncbi.nlm.nih.gov/pubmed/22331240>
- ***Inhibit Mitochondrial Complexes II & III thereby disrupting ATP formation***
  - <http://www.ncbi.nlm.nih.gov/pubmed/16263381>

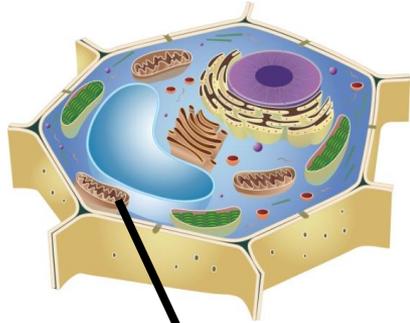


**Gluten Intolerance  
or Glyphosate Intolerance?**

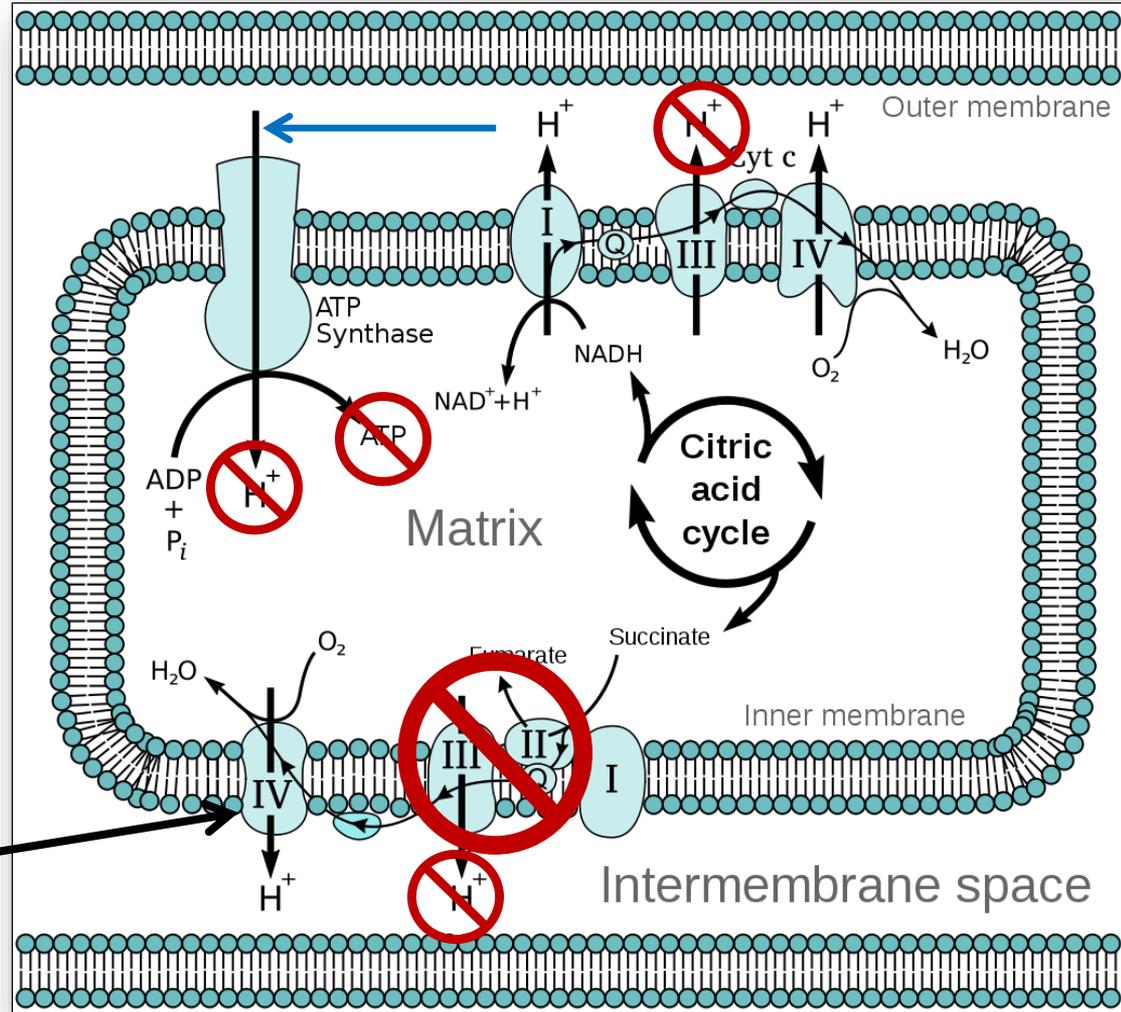
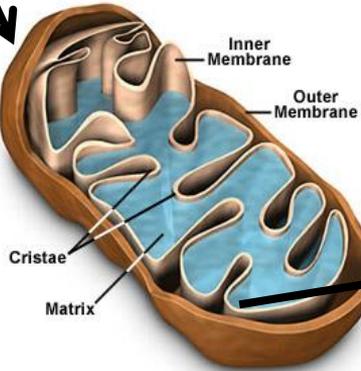
- **Glyphosate: the key ingredient in Monsanto's RoundUp**
- **Routinely used to "dry down" wheat prior to harvest**
- **Linked to celiac disease, gluten intolerance, and irritable bowel**

**GMO** Get the facts. Share the awareness.  
facebook.com/gmoawarenessusa

# VERY SIMILAR TO PPIs



Mitochondria Structural Features



# PARTICIPATION TIME

- You Tell Me...Is It Possible for a person to be on a **PPI, Statin, Antibiotic**...while also eating **GMOs, Pesticides, and Vaping MMJ** because they feel so horrible?
- Marijuana is a Medicinal HERB ...until you smoke or vape it.



# PESTICIDES - ORGANOPHOSPHATES

- Acetylcholine Esterase Inhibitors originally designed for Chemical Warfare
- Production has decreased to 33 Million pounds per year in US as ***Neonicotinoids (Systemic Pesticides) use has risen dramatically.***
- Greatly reduce health status in children
  - <http://pediatrics.aappublications.org/content/125/6/e1270.short>
- Linked to ADHD increases in Children
  - <http://www.ncbi.nlm.nih.gov/pubmed/22331240>
- Linked to Cardiovascular and Respiratory Distress
  - <http://www.ncbi.nlm.nih.gov/pubmed/19428503>



# CLINICAL SUMMARY

- $\Delta^9$  THC (Tetrahydrocannabinol) acts as a exogenous '**NEUROTRANSMITTER SUBSTITUTE**' for endogenous Anandamide on CB1 Receptors.
- Seek/Recommend **CLEAN GREEN CERTIFIED MMJ** (Medical Marijuana) to avoid contamination with Pesticides like Glyphosate (Monsanto's Roundup) and other Carcinogenic Chemicals.
- Edible MMJ can help induce **CELLULAR AUTOPHAGY** similar to **WATER FASTING**. Autophagy **PRECEDES** Apoptosis.
- **CBD DOMINATE** strains have proven effective stability neurologic storms consistent with Seizures, Multiple Sclerosis, Parkinson's Tremors, and more.





# ENERGETIC HEALTH MEDICAL MARIJUANA & CBD

*A DR. H MEDITATION ©2018*