Introduction to Endocannabinoid Medicine

– Well Dr. Judy I'm so excited to have you on this segment of regenerative medicines on the regional medicine summit. So I want to focus I mean if you are like the expert when it comes to end the cannabinoids and the impact on the immune system and regenerative medicine cancer. So so tell me a little bit, tell me a little bit. So I understand what endocannabinoid system is and what it does in the body. – Okay. So the endocannabinoid system, endogenous cannabinoid system is basically what I call the dimmer switch on inflammation. It's a series of cell sensors either channels or six or seven trans membrane receptors. So they cross the cell the nuclear membrane the cellular membrane and there are even internal cannabinoid receptors And I'm always thinking about the receptors. I'm thinking about the sensors.

So what they do is they sense danger associated molecular patterns or they sense pathogen associated molecular patterns. So they're the key in the innate immune system for regulating the switch between the hematopoietic stem cell.

How Cannabinoid Receptors Regulate Inflammation

Thinking about regenerative and the mesenchymal stem cell and and at the heart of the switch so the mesenchymal stem cells does growth you know so the CB one receptor cannabinoid one receptor is the primary receptor in the brain and in the nerves. So that's what's being developed very early on. So the first time that in the last time because these phyto cannabinoid plant cannabinoids were outlawed in in our environment in 1938.

The last time most people see their endogenous cannabinoids to a g is one of the signaling molecules and anandamide is another. And anandamide in sand script means joy. And so breastfeeding.

So when the mother is breastfeeding everybody's euphoric the baby's happy, no pain it's just calming and develop that sense of um of of wellness and well being. So things like itch anxiety, hot and cold pain. Any kind of pain are all sensed by these um these sensors, these endocannabinoid sensors and there are hundreds of them but primarily CB one is in the brain on the mesenchymal stem cell and CB two is the inflammatory the on off switch when there's danger or a pathogen the organism goes away from development and it's and it drives over to dr turning on the the hematopoietic the blood stem cell by way of T. G. F. Beta. So T G F beta is the master regulator of monopoly pieces of the blood stem cells. So it says make using it feels if we've got a problem in the gut or the throat. Make macrophages send fire trucks to the fire chemokines like C. X. C. R. Four and and those um which is the the um metastases signaling receptors. So when the cancer is metastasizing that fire truck is going to the fire. Well if you've got a lot of inflammatory stimuli toxins they turn on the inflammatory um CB.

Two and they go away from the development of the organism And and go towards putting out the fires send the fire trucks. Where do you need to go? Do we need to go to the lungs? The alvila macrophage.

Do we need to go to the brain? The micro glia. Do we go to the liver? The cup for cells? So it's it's signaling from the central location in the blood um to recognize danger associated molecular patterns are energy outside the cell.

ATP because ATP is a signaling molecule that's your energy molecule also. So when you're when you're being poisoned that signaling molecules T. G. F. Beta will act through the cannabinoid to censor and say turn it on and it'll turn it'll turn a TP to a D.

P. two a.m. P. To a dentist and a dentist seen feeds back and says okay turn down these ecto and they clip the sensors off the cell surface so these ecto endo nucleotide bases is what they're going. And they just clip the sensor off and say that's enough. But see when we're getting so many um stimuli early in life and we stopped feeding the endocannabinoid system.

Now you see the development of um anxiety depression.

Plant Cannabinoids, Terpenes, and the Entourage Effect

They turn on that inflammatory cytokine storm and we don't turn it off because we can't turn down the dimmer switch so we've lost the ability because of all the toxins and poisons particularly the vaccines injected before the babies develop fully because they're essentially every organ system of the body has a resident stem cell macrophage and that's controlling the immune system and the communication between the endocannabinoid system and the immune system. The dimmer switch on inflammation, their sensors in your cell membranes that tell you you're in trouble.

Move away from the development of the organism and put out the fire somewhere. But unfortunately we can't put out the fire because we took the um the plants out of the phyto cannabinoids that that used to be food out of our environment.

So we're trying to put them back and appreciate the role of the communication between the immune system in the end o the endogenous God given cannabinoid system for calming everything down. – So these plans that we have, you know like you know ham and there are other plans I know that also provides some cannabinoids as well like in Asia. And so these plans were there pretty much to support us when the endocannabinoid system was under stress.

You know when we are dealing with pathogens or chemicals having metals and so forth. So that we then have a chance to to turn on some of these, you know, CB one or CB two receptors to balance out, you know from the impact. So it was kind of like a God given tool that we could use during that time. – Exactly. It's food and food is medicine.

I like to tell the story, the natural ligand of a very important and I should say it's a lipid signaling system. That's why they're in your cell membrane, a lipid bi layer. So it's a fat signaling system.

So we store these toxins in our fat and the plants are the best heavy metal toxic fire. So in in nature you will see this beautiful rose garden or beautiful lemons and you'll see it lined with the cannabinoid plants and they're pulling the toxins out of soil and your plants become more nutritious food. And without these in our soil we don't have nutritious food. So there's a particular hot cold pain sensor called T. R. P. V. 1. Trans receptor potential vonettloid.

But what whatever they name these things so bad. But the natural ligand is hot chili peppers. Well a long time ago one of our friends Connie faulty neck and we have this in our last book ending plague was went to work for Merck and they were making they were blocking that signaling system blocking TR P. B. One so that they could help burn victims.

And the pain of burn victims. And you you literally fortunately they didn't bring the drug to mark because you literally could put your hand in the fire, watch it burn and you die before you felt anything.

So thank God didn't bring that drug to market because what we realized and what we know for a fact with all of the sensors on ourselves. It's not a block it situation.

It's not an isolate. you want the whole plant, they call it an entourage back because they're on off switches in our body. We have um fatty acid a cl hydro laces. They literally just clip the molecules so it doesn't signal anymore and they break it down so you can potentially eight those to keep the sensors up. And so we work on those ways to stimulate our own. So it's a it's a fascinating fascinating really lipid signaling system that was just identified in 1994.

So we've been working very hard to take because of the laws to take our knowledge of Turpin's which all cannabinoids are a class of molecules called Turpin's but not all Turpin's are cannabinoids. So for instance um I. P. A. S.

Hops, hops, lemons, lemonade and also as a natural products chemist by training and and and passion. We like to

take those take some of the other Turpin's and and stimulate the tickle the receptors stimulate the receptors. You don't need the THC.

So for instance we use beta Carafa lan which is a fabulous dietary turpentine and endocannabinoid trigger. So well make formulations that take out all the THC because this is what troubles most people. We literally legislated joy out of our lives and people are really upset. Cancer patients.

I gave one lady, she said she was vomiting from chemotherapy and this old brand wasn't working. So I gave her um a cannabinoid formula and with maybe an isolated beta Carafalan and and I gave her a non alcoholic I. P. A. And she said I don't like beer.

I said it anyway so later on that or the next day she called me and she said I decided to have red wine instead of beer. And I had the most unusual high and I said that's a bad thing.

So we just just different kinds T. R. P. A. Is like a hammer sensor and just fast fascinating how you can mix plants and modulate this endocannabinoid system without smoking or actually poisoning yourself. Which is a really big problem because we just can't smoking is making it a drug that's not how God designed it and and then it will drive the CB1 receptors which are primarily in your brains and through your nerves and that'll dis regulate things even more.

And when you just take the stems you can't use the stems they're detoxifying all the glyphosate and heavy metal and things like that. So you really want to know your formulate er when you're using cannabinoids as medicines and and it's foods but we've healed so many cancers. We do so well with just a cannabis juice, freeze ethanol extracted, we can extract lipids with with water we just can't we have to use different different alcohols but we can pull the alcohol off so we use the turbines to synergize like in the in the I.

P. A beer and so I said drink the one I gave you and she did and it helped. So no more radiation. So my mind Job in chemistry over the years at the National Cancer Institute for 22 years is just use food as medicine and support nutritionally the chemotherapy.

And then you could use it at lower doses because you're taking advantage of synergies of these products. And that's exactly what we've done. And we've made some fabulous formulations and and we effectively get cures of cancer as long as we're using that cannabis juice called extracted, it's going to do detox the chemotherapy. So we just drink it down.

Cannabinoids as Support During Chemotherapy and Radiation

Just a shot of that. It's it tastes better than wheat grass juice. It really does. – I've tried it and it does taste better. Yeah but it's pretty great. – It's pretty, Yeah.

I chase it with like a vegetable juice or celery juice and when you feel so much better and you know your healing. You can shoot just about anything. – Absolutely. So for people than doing chemo, I mean when is an appropriate time because obviously you don't want to detoxify the chemo immediately. Right?

– Right. – I mean you want the chemo to act. – And you definitely don't say it can it can inhibit the the C. P. 450 system and you don't want to do that.

You want the team that you want the drug to stay in your system long. You don't want to go break it down. So there are some things that will actually enhance chemo in a bad way or or make it so that it doesn't work.

So what we tend to do in in chemotherapy is we take it prior to getting ready for chemotherapy. So you're got all the rest of the toxins out of your body and then we nutritionally support with you know, clean greens, real clean food, really clean meat, you know, because all animals and plants have cannabinoid system.

You know that I think it goes as far back as lizards and things. So they have that dimmer switch and that sensor

switch and so you just take advantage of eating foods that are rich in in good clean fats, you want that membrane of your cell because when you're, when you have cancer you're going to see a very low cholesterol, which most people would think is good. And the minute I hear 100 and 34 I say there's a tumor somewhere and everybody's like, yeah, I got my cholesterol done and it's like no.

And so what the first thing you want to do is eat as much healthy fat as you can and support it. And we do coconut oils and um some nice lavender oils, essential oils do an awful lot on the skin because I like to do that.

You want to stop eruptions if you get chemotherapy burns in your mouth. we make formulation out of camel hump fat, which has nano bodies and B vitamins and a lot of other healing things and we've seen the herpes lesions, the infections that will pop when you cripple the immune system with the chemotherapy and we can clean the people are in so much pain that can't even and all we do is put that cannabinoid and have them and I mean it's camel hump fat so it tastes terrible.

But boy, when those sores go away you don't care. So we tend to prepare the cell membranes, eat a lot of healthy fats, avocados, olive oils, things like that. And then if you deliver with a capsule chrisshade at Quicksilver Scientific makes a fabulous product that that dissolves at a certain ph so it's right near the hematopoietic, the blood stem cell in the bone marrow. So if you can deliver those areas.

So depending on the kind of cancer with, with prostate cancer, ovarian cancers will use repositories. So, so we deliver the form where we wanted to go. And and again, always just separate the chemotherapy by a few days, knowing knowing the molecular mechanisms the half life the pharmacogenetics of your drugs, you can, you can keep it well.

So with radiation, it's kind of like right away, stop the radiation burns, allow it to work. But even if people don't use it at all, we've cleaned up such amazing radiate burns and yet the mds won't music.

And so they're like, that's a miracle. And somebody will say it a little and and my friend will say, and a little weed and and I say, and a little hump fat and the guy didn't even miss a beat before this oncologist before he knew me.

And he said, you know, okay, where'd you get the camel? And I said Santa Monica, you know, there's a company in Santa Monica. And so everybody was laughing and he said, well, you didn't need to come come in here.

And she said, I want to show you for your patience. And he said, oh, they'll never accept that. So it's it's pretty, even today we do, we do it every day. So if we can convince the patient to support this is just nutritional support. There isn't anything, I don't use its food, I don't heat anything up and we just deliver it in a capsule form if it's certain that the capsule dissolves at a certain ph depositories are really great for prostate cancers, ovarian cancer is uterine cancers.

They're great for calming and sleeping um with kids, a lot of tinctures that just under the tongue, hold it there as long as you can, there's there's almost never a bad time because that if you put the dimmer switch on the inflammation, the chemotherapy can be more targeted and you're not pain and you don't have the side effects and that's what's so fabulous about as adjuvant therapy. It's just fabulous. – And cancer I mean it's an inflammatory conditions. So if you kind of put a kind of shut down that inflammatory those inflammatory drivers then you know the the chemo doesn't have to deal with so much. You know it can just focus on the small little areas where the cancer is rather than all the diff in areas where the cancer is moving too because of that inflammatory signaling that they can play.

So using cannabinoids and to shut down those drivers is huge. – Yeah that's that C. X. C. R. Four that's a key metastatic sensor. And so there's literally crosstalk between that membrane receptor and the cannabinoid receptors.

So the opioid receptors also crosstalk and if you use the opioid you're driving the inflammation. If you use our God given cannabinoid and you can swap out the opioid pain relievers. So then you will stop literally stop the metastases. That's what C. X. C. R.

Four does. It spreads. That sends the fire trucks to the fire that dimmers which you don't want to shut it down because a little bit of inflammation is what you're causing and you won't know um you know that the body won't know where the fire is and what is the appropriate flame chart.

So it's retardant. It's a dimmer switch but it's absolutely fabulous and and part of a therapeutic it is not just part of a palliative arrangement it's part of a therapeutic that can use properly be part of a curative strategy And I even like to use the words cure. We have a friend of ours um we've been working with her about five years multiple myeloma which you know is a cancer of the bone marrow and and then breast cancer on top of it and all our bones were broken and and she's just and it's not the only thing we use for nutritional support but it was the primary thing because you've got to get out of pain, you've got to get to sleep.

The sleep. CBN is one of the cannabinoids. It's so important cannabigeral connect CBN's when you really know your family members and target them. It's actually a lot of fun.

That's that's the fun I get out of chemistry. That's my passion in life is just you know, playing games with chemistry. I'm your well.. – That's what the body, I mean it's just chemistry and that's how the body communicates signaling receptors and and the locking key processes. But tell me a little bit about, you know because you have CBD. I mean that's what most people don't know.

But now you talk about CBN and then you know C. B. G. I mean? And THC. So what are the different components that people should know about and when to bring in what? – Well they're really hundreds of them CBD is primarily the for the CB one, the signaling molecule for the CB one receptors so that you're you're going to hit your seizure disorders that mesenchymal stem cell, you're going to turn up the CB one on fat cells so you can store the toxin so it's not released in the blood and the brain and neurological seizures for yeah all the CB ones for seizures and it's it's critically important in bone which is why I mentioned multiple myeloma because the switch is an NF kappa B. And an on off switch nuclear factor, kappa B, which it also drives the production of antibodies.

So this is why vaccines the way they're made. And where they use dis regulate that endocannabinoid system because it leaves you over in that stem cell that T.

G. F. Beta saying there's a flame somewhere, I've got to put it out and the rankle which is receptor of activated NF kappa B ligand. So the sensor is the ligand. And so there's even question marks, we don't even know what blocks that. You can actually generate brain derived neurotrophic factor which grows new neurons and we can put new myelin sheet on there.

So C. B. C. – Because of the CB one receptor. – Correct. And then that then you have to turn down CB two, you don't want CB two around.

CBD, CBN, CBG, and THC: Different Roles

You don't want THC because that's going to drive more towards CB two. And so that's why it's psychoactive, you want to target CB one for seizures for brain injuries for brain trauma.

So you need only C. B. D. S and you can do that from hemp C. Even for football injury, head trauma PTSD, that's really good for PTSD. CBN is more for sleep and and it's just they they're just the end has different forms on the on the derivation of all the compounds there hundreds of cannabinoid receptors and we they call them orphan receptors right now because you know they don't have parents but we understand they're still there.

It's still even though they're still orphans, they're still there and it's just because we don't understand and haven't taken time um to appreciate them.

But CBN is really important for sleep and it's gonna cross talk that Nrf two pathway. It's important as well. So it's tour the Malian target about rapamycin is eating energy metabolize food. So in the pancreatic cancers we can do a lot to heal and pancreatic cancers even type one diabetes and that would be CBN um and a little mix of CBN CBD and THC so you want to tickle the CB two receptors. Just leave enough inflammation on to have the fire trucks

actually go to a fire. And so and that that's an issue if you can't formulate it that way. So it's just there there are many, I mean in some of these plants like we only know hemp were hemp is known for making fiber and rope. So that will drive fibers, conditions like cataracts you don't want that you don't want help you.

There are some other strains. We use some strains that are 50 50 THC. And CBD the primary um that primary cannabinoids in those plants. And the 50 fifty's are just fabulous solutions for some of the cancers especially the inflammatory cancers. Things like multi myeloma that did they end up being deficiencies. You only make one antibody is multiple myeloma capital and it means it doesn't matter really. But it's just like instead of making antibodies for everything you can't make antibodies. And we're seeing this with the in the in the covid shots in vaccine injury. The primary one of the really primary injuries and problems is you. So dis regulate your innate immune response by injecting and bypassing these receptors because you bypass a lot of the signal if you object anything directly into the blood because most of the cannabinoid receptors are on those back pages in the skin, at new coastal surfaces in the gut.

So when you inject directly in the blood you're missing a lot. And that's why you've lost that regulation. And it just it just turns up the fire to where we literally camping. So we've got that's why we're seeing outbreaks of measles and other things because you turned off the plasma site to a dendritic cell which makes you can't make the type one interferon which tells the the regulatory cell what to do.

So the the orchestrators of the immune response are the monas site macrophage and then those are the key what, where, when and how much. It's just a matter of are the sensors on the surface or not? And so up regulating them.

Unfortunately, most of ours are down regulated them. We haven't seen them in so long because we don't we don't control the pain, We don't get enough sleep and if you can't sleep you can't heal.

And so this is the biggest, the biggest most important thing I think the cannabinoids are good for is sleep anxiety is a kind of pain. Depression is that same side of kind storm that would result in Covid or Alzheimer's or boxes or it's not, it's not a pathogen, it's just The dis regulation of the sensor.

You know, the pathogen may be the trigger. But once the disease engine starts, then you can't stop the fabulous news is that, you know, since 1994 there's been a tremendous amount of research done.

And most of our tax dollars go to Israel to pay for that research unfortunately, because we have to maintain that lie that it's a schedule one drug. So no, it's food and it's a plant. – And so most of the research is actually coming out of Israel in this field then okay.

– Absolutely. Because here in America you're only allowed to use cannabis from a source at University of Mississippi and it's laced with glyphosate, they dry it with roundup and it can't do it and so you can't so we were not allowed to use our own formulations to do research. So we basically have to do, you know, ends of one and and learn from those. So we've got a lot going, we we've affected a lot, a lot of cures and and can appreciate um even how that regulates different parts of the native response, like DNA methylation and that's really important. The on off switch of When does the gene go on and when does it go off? You turn it off.

– And so so the cannabinoids and play a role in that to kind of activate. Because we always talk about the EPA genetics, you know about the and we know that cancer, you know, the genetic aspect of cancer is maybe like 10% of the shooting on the high, you know, maybe 1% 1% think about Burkett's lymphoma and HPV.

You know, cervical cancer 1% is Burkett's lymphoma with the D V D N. A virus or herpes virus and you know, 10% is mononucleosis, maybe even 5%. And most of the rest of the people are healthy, healthy people have the good end of Canaveral systems that people without Burkett's lymphoma are so dysregulated, we can still do things about that if we do that.

– By supporting the cannabinoids, we are then in essence kind of protecting ourselves from cancer because we are protecting our genetic material, which means that they are are less less likely to become dis regulated. And and and then sell them become dysfunctional. And and then, you know, start to replicate in a dysfunctional way. So, by

keeping that methylation system going the way that it's supposed to and then we're in essence protecting ourselves from cancers.

– Correct. It just tells you the normal immune responses and see your nate immune response. The natural killer cells, another type of innate immune cell.

They scan all yourselves all your cells all the time and they're looking for a stop sign called a killer inhibitory receptor que ir and there are millions of those.

Another sensor that says stop, don't eat me. Because if it doesn't see the stop sign, it's going to double it up. So you see the endocannabinoid are able to are the sensors and sell and say everything's fine. But when that flames on and you're going into apoptosis or necrosis and and the cells dying um that that sensor is not their stop signs, not there. So you're your natural killer cells can't shoot the bullets and and kill and they kill by these Granules that just kind of say, you don't kill that cell and we don't have that. If you don't have the cell membranes with those, it's very important. They're just sensors.

They're just they're sensors. They're not their internal inter cellular. They're different on the mitochondrial memories that are different on the on the nuclear membranes. Just fascinating if you know if we could ever get to really study it in a way where we could you know just get the stigmata there use the biology. It would be a lot more fun than it is now.

But we're having a lot of fun now because we can see people especially in this you know in this particular time when people are starting to realize they've not been told the truth about a lot of things now they're a little more open minded because we're able to heal.

We're able to take people you know with covid and and calm it all down calm cough. You can you can calm the cough if you come the macrophage with cannabinoids and it's very easy to do. – And so with those cannabinoids and I mean 11 of the things with, we're talking about cancer. So with the CBN you know there's certain cancers and also for the sleep CB. You know other sets.

And then where does like C. B. G. Come in where what role does it play? – Well I probably don't know enough about just it alone because I'm always using things in. So see BGS let's just say like anxiety, anxiety. So it so it is a type of pain.

And we saw kids with with vaccine injury, autism spectrum resource. They'll literally scratch holes in themselves and and C. B. G. S are going to help their more than some other than some other things. Itch and anxiety.

Cannabinoids, Genetics, and Immune Regulation

So it's and that will go through some, we don't even know the receptors. We just have arrows going through the cells because we just we just don't know have been able to characterize exactly what the combination and usually they're multimeric there's more than one chain there's more than one interaction.

So you can't say with any kind of this is this this is that it's that's why we call it an entourage effect because if you isolate you make it more of a poison.

So there are several drugs G. W. Pharmaceuticals and FDA approved drugs and their single target and um they become poisoned. They don't work the way your God given um you're cannabinoid system works.

So so the phyto cannabinoids used according to nature and and and more um with um the mixed batches just as you would get from plants. But I would say you know so anxiety and and it and and some of the others the C.

B. G. S are going to be more important. – And that's what's so important is to I mean they come as a complex and the hand you you have a team so it's just like trying to fulfill a company's role with just one person.

I mean each person play a role and they all come together. You can't say that this is the one that runs the whole business and you know without with this one everything works and this one everything works.

They all come together in order to be able to create the action so.. – And when you do that like with TR. P. B. One make a drug that blocks that sensor and you die before you sense the pain. It's it's a little like these drugs PriLOSEC, Protonix, these proton pump inhibitors for um uh acid reflux, they call it or guard. They you don't feel the pain, they stop the fire trucks from going to the fire and you die of throat cancer because pain is a good thing. So but too much pain.

So that's when you know you have to try and find a way to back off nerve pain versus pounding. You know how do you know I just touched you Or I dropped a £400 rock on your foot, you know that sensed by your endocannabinoid system and various sensors. And so we're working out those sensors, much like you would do um you know to run electricity more smoothly or or stop the shorty multiple sclerosis. You know that's the violent cheap.

So if you drive towards the mesenchymal stem cell that would be totally C. B. D. S. You can rebuild the violent sheet on the end of nerves and diseases like multiple sclerosis and L.

S and things like that. But with everything it's it's more like you want to be consuming this over time. Especially if you have any kind of like my throat is I bear its esophagus. So that's a pre cancerous condition.

So I'm I'm on it pretty much every day and if I don't I will lose my voice. They're just amazing. You can even get brain focus um from the formulations and I'm not to put it together from the plant.

I'm gonna tell you the receptor I want you to modulate because I don't care how you do it. And most of these things again they don't have to go in the in the cell.

And if you know how to do it. Like we like to take micron silver and then put some cannabinoids. So the micron silver won't go in the cell. We we don't want to do everything nano because God made those sensors in this.

The gating the gated ion channels in and out of cells. You don't want to change that necessarily. You just want to tickle the cells so we can put various cannabinoids on on and bind them to silver and other things.

It's a really fabulous way to clear out the blood, particularly parasites were having a lot of fun with mixing Ivor Bactine and various pure energy because that's G. Proteins. Those are those pathogen associated molecular patterns E. T. P. Is danger when they're when there's energy outside the cell. That's danger because you gotta have energy inside the cell to fuel every every cellular process.

So with respect to the pathogen associated molecular patterns that's G proteins we hear in covid oh you lost your taste a sense and smell and no that's a that's a g protein signaling processing program that that doesn't go inside the cell it just senses.

And so if you can keep those parts of the virus is negative strand viruses and things from from interacting and especially the parasites they don't go inside the cell.

So if they if you can keep them away from the sensors and keep them keep the Canavan oid receptor you want turned up you'll sense their presence, you'll cross talk with the g proteins, the GTP. And you can affect it very low doses.

Well that's what we tend to do the most uses low dose possible and we take advantage of synergies are far our formulations are always taking advantage of synergies and knowing how to put it together with some of the pharmaceutical products.

That's where one of my patents is using the prostate cancer drug casa decks and that's that's associated with the inflammatory prostate cancer is the one where it's endocannabinoid dysfunction. So we'll add we'll use various forms relations with a lot of beta car. Offline a little THC a little CBN and um and and delivered as a suppository

and support it with mushrooms and adenosine, so that you've got that you turned down um the the danger signals and tell everything it's all right. And it's a lot of fun really.

And that that's the pattern using and that research mushrooms, you know, you're always going to find the best anti fungals in mushrooms because she doesn't want to be a shiitake. And so they're targeted that way.

And so if you know what you're looking at, and we don't usually for it's usually just a real good sense of, you know, knowing the skin lesions, knowing knowing I because we've got an ocular mac page and so you can even make a water soluble cannabinoid formulation and calm everything down for you. B I, some of the fibrosis, you know, the cataracts, that's just fibroblasts.

That's why you don't want to use hemp because it makes rope. And so my frustration with the whole legal thing is I need those other plants. I need the purple kush is and all the things they named all those years ago.

Because I want to look at the plants and appreciate how it was made in nature and where it is in nature and what its role is. And hemp is really great at rope and fiber.

So I'd like to see us bring back hem because we can make a lot safer clothing, a lot stronger things away from these dangerous toxic plastics and other kinds of products that we move towards. If we go back to you know, help but hemp in your eye is going to drive fibrosis in your lungs fibrosis COPD and in the liver, fatty liver.

So you want you can you can drive diseases in the wrong way if you don't appreciate the system and the differences. – And so the full spectrum hemp products that you get that would drive that type of a process. Is that what you're saying?

– Sometimes, yeah. If you do a full spectrum from hemp but if I take a full spectrum from um one of the other strains of cannabis, not hemp um where you're 50 50 THC CBD your two main signaling channels there you can do a lot more with a lot less. So some of the problems when you use hemp which is you know in the legal is something like like less than 3%.

And now they're saying pull it all out. Well when you pull it all out and use, that's broad spectrum formulations. Then you don't get anything correct and it's like decaffeinated your coffee that makes it poison, you know, the caffeine is a pure energy modulator, It's a natural antioxidant in food if it bothers you your heart races or something, it means you have something else going on a disease process and inflammatory process.

Choosing Quality Products and Safe Formulations

And you need to think about it, not drink decaffeinated coffee, it's like Protonix and things like that, just sensors on sale. So you have to just, it's it's really a lot of fun. I don't know how to explain it in a in a way that would you have your audience? Well they're obviously not formulate er so for practitioners it's it's I would use a and we do this when we, you know, you wanna like charlotte's web strain is fabulous for seizures and then we've just we've listed their entire books one I believe, one by Stephen Harrod Buhner, which I use a lot of his natural products for things like that, various fermentation and and and they just they go through every one of the plants and show you all the C. B N.

And the C. B G. S and the things that we know of and they're they're almost like biomarkers to say okay if all of those are there some other things are there?

Because what you want to do is less is more so the less you can use according to nature, the better off you are in in in in any drug development. So we just take advantage of those synergies and then we don't need to use high dose chemotherapy like casa decks that's where our patents are just nutritional support.

But we ran a clinical, we ran clinical trials with them and with those other formulations with the identity and and with the Rishi and there was school the delivery of our, I was actually looking at some of those formulations we did a long time ago just to you know, see what we could do now because we weren't able to make those drugs or get

them through the FDA because they don't want you to cure anybody so they can't make any money on it. So for $100 a month though you can you can heal, you can stay well I mean for for everything that's going on right now, there's probably nobody that shouldn't have a cannabinoid CBD CBN for sleep all the time and should be taking, you know, a sleep formula just because it's so healing. – And where can people go for good quality because there's obviously go out there and it's everywhere just this store CBD, CBD all, I mean, so where can people go for good quality?

– Well I would, I would not go in the store and mainly because what you want is to know from the chain of command and and that they would call him a certificate of analysis of everything in the process all along the way. So we use various I mean it depends on the state and what's legal in the state. So we have the cited in line of products and the hemp mind and body in the in the P. M. A. And our ministry like Dove ministry because because that allows us to use more THC so the cytogen products are primarily CBD where we've, you know had to take out all the THC and bring back things like beta Carafa and the adaptive agents and they do work. It does help to use the hops and some of the other Turpin's in order to to help effects. It just becomes more complicated.

So there are a lot of good online stores I think of a lot of different manufacturers and products like Nesa, it's just going to a local you definitely don't want to be in a dispensary. And because you just don't know because that that stem is one of your world's best heavy metal detox if are so if you smoke it if you eat it and you don't know where it is and all the chemicals that you almost have to grow indoors. Yeah we even use various coconut husks and we know the manufacturers that make the soils you can grow it in because again it's going to take all the toxins in the plants growing. There's so much metal in the air, the aluminum and all they're spraying that that gets on and outdoor plant.

So the where you can go is is difficult. There is a there is a get healthy store that's a green get healthy store. The citation line of products we've been working with, they had set up a while back um something called CBD Authority.

So what they did is they went through a lot of the manufacturers and they checked the boxes that the certificate of analysis were there. So we tend to do a lot of that too, which is just look at it. And tell you the product.

So I've been working in the last year just to identify as many great products as I can and get them in the stores. We found a number of them, even just in the last, that's why I come to events like today because if you've got one and it's all good that I like that formulation and we just call them whoever runs the store and say, hey, can you get this? And she says fine, where's the contact? And I just tell her the manufacturer and we get it there because that's the idea is to to make it easier to distribute.

So people don't get a hold of the wrong things, We just teach the practitioners what to buy. So we can certainly set you up with whatever, you know, the manufacturers. For me, it's different because I'm in California. And so I have to, that's easy for me.

We spared a vida, which is that cannabis juice II I know Mikayla well, for decades. And so there are a lot of good things out there, it's there and and a lot more people are doing it a lot better and we just have to educate and you're trying to do on uh I'm teaching everybody, it's not a drug, it's food, it's okay, you know you certainly don't want to be too high but you cannot die from cannabis. Nobody ever has unlike the opioids and driving that they're not addictive.

You have to be careful with intestinal motility and things like that if you use THC young you know so we have to think about nursing mothers and where they are, what's going on. But for that it's just a matter of applying in a bomb. If you take a bomb formula induced just put it right on the back of your neck that'll calm kids instantly down because it goes right through the blood brain. So if you formulate that in a nice oil and it's warm it calms these kids down when they're really aggressive.

It's just it's fabulous for some of these you know injuries, vaccine injuries and and it's you know psychosis. O. C. D., A. D. H. D. Calming the itch.

Just calm it all down. That's all this regulation of those sensors that tell you everything's okay. I think of it as a

pinball machine or your or your iPhone just on till you know just everything is popping and and you just have to come it's so easy to do because God gave us these fabulous systems and there they work and that's why if you eat the plant and and or the meat because other animals that we can keep our animals healthy too. So cannabis secure lymphoma dogs and so yeah and and lots of things. We've we've used it on our on our dogs on skin diseases. Those are the best places.

So just put the little in their food and and they heal so and because they have endocannabinoid systems too. And so it's a it's a way to keep viruses from being activated. It keeps everything late and in silence through that D. N. A. Metal that epigenetic machinery says we're okay because when you turn on the switch you send out all the flame.

– And yeah, they got all the inflammation going and everything. So how much, so you said the best is kind of a 50 50 ratio THC,.. – For inflammatory cancers, for seizures you don't want any THC you know that the best some of the best are the Charlotte Webb strains. And those hemp strains, those make the best seizure medications and things like that and and anxiety and sleep a little more C. B. N. And C. B. G.

And it's just it's a matter of just formulating and and knowing your plants and I just go to the growers and I know that people who grow it and and as do many others I know dr Newsome has here in town has a good um has a good cannabis formulation that he's mixed with some public and so we can take advantage of a lot of different detox pathways and synergies and do a lot of healing and that that is the the benefit and the joy of where we are now because we're at that place where where people are just starting to see there there's better way with natural products and our God taking advantage of our God given um endogenous systems. You know whether it be the thigh own vitamin D.

They're all God given and God didn't make mistakes. All you need is clean to be honest and clean you know phyto nutrients and it's hard to get those in the world of GMO. – So what kind of quantity for somebody battling cancer? I mean what kind of quantity are we talking about for a person? You know what what is too much.

I mean you said there's nothing too much but what is enough? – Yeah. If you're if you're looking at a cancer like a multiple myeloma and um and you're you're you're supporting let's just say the Taksim at which is a front line therapy for these things um We would use just you know uh one or two of the juice a day. The cold extracted juice just to keep all the toxins running through out of your gut the dead cells as the cancer's resolved.

Keep down the pain um keep you eating, you know um sexy is the biggest problem t and if you can't eat nothing tastes good um you know because the cancer um is using all your your fuel um And so in that case sometimes we'll even use a graham suppository. If people are in really aggressive cancer states will will use a graham suppository to really hit hard.

And see if you do it's repository, you won't get too high. But if you if you ingest you know that the frozen juice won't in any way have you high you'll just be relaxed so you can't overdo the juice.

But it's you know not the world's most pleasant taste so and and that kind of keeps you from it. So and and if you overdose if you have no overdosing because it's it's just food so you'll get the munchies, you'll get hungry or you'll fall asleep which was the goal, you'll relax, you'll calm down um A lot of times because so many people haven't had those receptors activated for so long and and slow metabolizers of anything. It can take two or three hours to hit you to where you notice it. So you want to be really careful about slowly working and slowly just do like we'll do a rice grain in a capsule, we'll do just one capsule, we'll do just a half mil of a tincture and you work your way up and you see how you're doing on that day because it will catch up to you and you can literally fall down and hurt yourself if you all of a sudden you're like whoa and so and if you're on some chemotherapy. So especially some of the opioids you will vomit because because it's going to detox you and so we'll get you'll get serious vomiting and diarrhea. It will get you off of those drugs if you go.

But it's a classic the DDT cutting the shakes and everything so that that's uncomfortable for most folks so you can support it with Gavin some other things but we try to stay away that we we just work our way up. But if it's a serious cancer situation like the multiple myeloma one we we gave her everything, we gave her at least a gram a day and a suppository. And we didn't care if she slept all day enough in the in the juice too because we needed to heal the

bone and the osteoblasts needed to build them up and not the class, break them down and see when you're driving towards that path pathway. Too much toxin, Too much toxin.

Dosing, Delivery Methods, and Regenerative Medicine

A really aggressive cancer is too much toxin. So um you just you can't metabolize food and you can't pathway. So… – The juice was the one that was stimulating the osteoblasts to repair – Yeah and it's just detoxing, it's just it's just green just you know you'll even your your urine and your feces will smell like cannabinoids so that's when you know you've got enough when you're using it all up.

Yeah so then and you know the person just over a week or so and you really want to be you want to have somebody with them and a practitioner, you know, kind of hanging out. But you know, when it's it's it's not difficult.

That's why that's why it's fun when it's food because it's it's not difficult to um and we're always I'm almost always using it with the chemotherapy or with the radiation because, you know, I I know that, you know, God wants us to realize, even if people keep poisoning themselves with these things, we can, you know, the taxpayers paid for an awful lot of fabulous drugs.

We just don't use them, right, We don't use them at the right time and the right patient and the right amount because, you know, it doesn't make money if you micro dose things.

So, so a lot of things are really micro dose and just um it just depends, you know, it really depends on the area the cancer too. And we look at everything the skin, the everything just your hair, if your own real gray and just you can tell. But again, you're you're you don't want the cannabinoids until you fix the cell membranes.

So you gotta d bulk some of the time because the cannabinoids won't help you if you can't be bulk the tumor, you're at least you won't notice it. It could help you. – But it so you still would need the surgery or you still would need some of the chemo to kind of shrink it or remove it and then at the same time, you know the cell membranes, you know, talking about the oils and to kind of make that healthy. – Yeah we'll see breast lesions and we'll put it on the breast lesion. We'll take it internally and we use the chemotherapy and it helps right after surgery. We're putting it right on the surgical because again, TGS betas goal is wound healing. But wound healing too much is a tumor fibrosis.

So you want T. G. F. Beta feedback and turn off. So we're watching the wound healing. So when you cut in a surgery, when you do a chemotherapy that's creating a wound that's creating an injury.

And we're following it up with a preparation to. – With the cannabinoids because obviously fibrosis that's when the signaling is not taking place appropriately. So the body doesn't know what appropriate skin healing would be. – There's no dimmer switch.

It just keeps just keeps winding rope around the wound and it doesn't realize that it's already fixing. – Yeah. So the other cannabinoids will help them to control so that the communication takes place appropriately.

So the tissue will be healed appropriately because there's a bright communication in the body. – Correct And and it really hits at the heart, it gets to the root cause you know, and so it's really a curative when you're using it for pain and things like that, it's part of curative strategies and and so it's really not just masking it's not just shutting down the signaling its healing at the same time so you have to take a little bit of pain and and and and see how it's working and see how it goes along.

But I mean I'll get I'll get activation of my X. M. R. V. S. And I'll start coughing and I'll just use eucalyptus. So you do other essential oils like Mental eight. And like used to do on your chest and eucalyptus and I'll just put that right there and I'll formulate um the cannabis and that and drive it into the law if I can't because I can't I never smoke anything but you can some of the Vape pens if you're trying to drive it.

But then you want to really clean those. I I work with I just again work with the formulae tres who I know the guys

that make the good stuff and we use the good stuff most of it's on our website the real dr judy dot com and you can you can find we even took seven selling cozy stack and and that all you needed was CBD stop you from coffee you know because because if you cough and cough and cough that just drives and drives and drives more.

And it'll even clear because you know you could drive towards th nine or things like that. It's just appreciating pathways. That's a lot of what as you know what I talk about how to take advantage of the crosstalk and I'm looking at the cell sensors on the surface and just trying to make the charge run.

Yeah and kind of at the end I mean we talked a lot about the cancer but this relates to so much. I mean cause cancer is obviously when the body is gone you know too far the body can't compensate anymore.

But then if you just look for kind of like regenerative medicine and preventative medicine I mean obviously to have these signaling system functioning optimally is is key and also that will then control a lot of the inflammatory processes because we know like inflammation aging you know the inflammation isn't driving the aging process.

So if we're able them to have these dimmer switches sort of say to be able to turn on and turn off inflammation appropriately then that is regenerative medicine right?

– And knowing CB ones on the mesenchymal stem cell stem cell regenerate. You know the tissue the connective tissue and and CB2 is on the so inflammation is loss of balance between the two.

And that's where that O. P. G. And that rankle that whole bone osteoporosis. You know you don't throw you know that's that's an endocannabinoid deficiency osteoporosis any of these bone and degenerative so regenerative, we've we've seen disc and in fact you can photo modulate you can put some you know a methylene blue and cannabinoids and the bomb and photo modulate and just drive oxygen into the tissue and into the joint.

And and have regenerative medicine right there in some of the stenosis that we see a lot. So so yeah there it is at the heart regenerative medicine because they're all the stem cells and the residents stem cell macrophage of every organ system can generate. You know, you don't have to keep peeling cataracts off your eye, you know, off your lens. All you have to do is use a cannabinoid and other containing icons. So target that's regenerative medicine.

Target the tissue compartment only that's gone awry. And again yeah the dimmer switch of the flame is on the stems house and that's why you can regenerate if you appreciate you know how to turn down the flame.

– Dr. Judy, thank you so much. I mean the knowledge you bring to the world and and you know and this time when we really need it. I mean we're seeing a lot of these chronic diseases like cancer really accelerate and we're moving towards like one out of two, you know soon to be dealing with cancer at some point and so to kind of focus on regenerative medicine and preventative.

But then obviously if you get into that position to have tools that are safe and effective. So thank you so much. – You're welcome. They're perfectly safe by God I love it.