



VETERANS & CANNABIS



Photo, c/o Lukas Cullum



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VETERAN FINDS HOPE IN CANNABIS

Lukas Cullum, retired veteran, husband, and father, finds relief in medical cannabis and encourages others to consider the same.

Carbondale, IL native and medically retired veteran Lukas Cullum began his military career in 2009 in Ft. Bragg, North Carolina as a member of the 84th Infantry Division. He deployed to Afghanistan the following year and received his Purple Heart in 2010. Two years later, on Valentines Day of 2012, he left Ft. Bragg for a second deployment to Afghanistan, Iraq, Syria and Jordan.

He suffered military-related injuries and PTSD throughout his career and after his retirement from service, he was prescribed upwards of 15-20 pills a day by physicians at the VA. Some of the pills issued to him were helping in some ways, yet inhibited him from leading the productive life he wanted. When the opportunity arose to try medical cannabis for relieving symptoms of PTSD, depression, and past physical injuries, he was eager to find hope and a better quality of life.

He also witnessed a young friend in hospice seek benefits from Phoenix Tears, a potent cannabis concentrate. The patient lived 3 weeks longer than expected, possibly due to increased quality of life from the beneficial effects of cannabis. This moment was also pivotal to confirming his interest in seeking the medicinal benefits of the plant for himself.

He expresses his thanks to Consume Cannabis, a medical and recreational dispensary in Marion and Carbondale, for helping him through the application process to become an Illinois Medical Cannabis patient. [continued on next page].



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Consume Cannabis is a medical and recreational cannabis dispensary located in Marion and Carbondale, IL. When speaking to Consume's Patient Outreach specialist, Olivia White, she stated that their staff can assist veterans in filling out their applications for qualifying conditions. Veterans can expedite the application process by providing medical records from the last 12 months. Consume's website offers insight for Veterans who are interested in becoming an Illinois Medical Cannabis patient, stating the following, "Cannabis legalization has long been supported by veterans and veteran organizations as a way to improve the quality of life for those who have served. In Illinois, veterans are able to apply for the medical cannabis program if they have a qualifying condition with the support of the VA. Veterans in Michigan are also able to participate in the Michigan Medical Marijuana program without fear of losing their benefits".

Whether for recreational or medical use, the staff at all of our Consume dispensaries can assist you in choosing a product that will meet your needs!

We are asking all former and active servicemen to present either their military ID, driver's license with veteran indication or DD214 at check out to receive the discount.

Lukas' expertise in the Illinois Medical Cannabis industry reached a new level of importance when he was hired at local cultivator Aeriz as lead flower tech over a year ago. He uses his passion for medical cannabis, attention to detail, and the methodical team-based training he received in the armed forces while at work, and loves working in an industry that is changing peoples' lives.

Cullum hopes that one day, federal regulation on cannabis can be achieved so patients and recreational users across every state can benefit from standardized testing practices. Many states offer far different restrictions and in some states, cannabis research and cultivation practices are still in their beginning stages. More recently, the Marijuana Opportunity Reinvestment and

Expungement Act (or MORE Act), which would decriminalize marijuana, was passed by the U.S. House of Representatives, but is not hopeful to become a law any time soon.

Lukas Cullum states that SIUC is a cradle for cannabis technology in the area. He is hopeful for the future of cannabis in southern Illinois and says that as a local, he appreciates the uplifting image of the area compared to damage done from a declining mining industry and population losses. With southern Illinois' vast growth potential, we have nowhere to go from here but up. We appreciate the service of people like Lukas and his fellow soldiers and veterans who served our country to fight so selflessly for our freedom.

Learn more about our program at www.cannabiscenter.siu.edu.





CANNABIS SYMPOSIUM RECAP

MARCH 26, 2022 MARKED OUR FIRST IN-PERSON EVENT AT SIUC



SECOND ANNUAL SOUTHERN ILLINOIS HEMP/CANNABIS SYMPOSIUM



SATURDAY, MARCH 26, 2022

Our 2nd annual symposium was held in-person at SIUC Carbondale, with a virtual option for the convenience of non-local attendees. Our second-ever symposium was geared towards those in the Cannabis industry with medical and recreational hemp/Cannabis interests. This event offered information on laws, regulations, and the establishments of standards in the Cannabis industry. Experts discussed the status of Delta-8 THC and research on the use of cannabinoids in the treatment of COVID-19 and cancer. Thanks to everyone who joined us.

A SPECIAL THANKS TO OUR SPEAKERS:

Dr. Gary Kinsel (SIUC), Mark Peysakhovich - shown right (MBM Advantage), Lezli Engelking (FOCUS), John Murray (Sustainable Innovations, Inc.), Dr. Marsha Rosner (University of Chicago Cancer Center), Dr. Mary Kinsel (SIUC), Dr. Buck Hales (SIUC).

Speaker information on next page. If you are interested in becoming a presenter or vendor for upcoming cannabis events, please contact us at cannabis-center@siu.edu.



A SPECIAL THANKS TO OUR VENDORS

On-site vendors demonstrated advances in production technologies as well as end products for the consumer. See recent vendors below.

AES Solar, AerosourceH, Consume Cannabis Co., Jain Irrigation, Mrs. Buckbee's Wake & Bakery, Performance Grow, Sustainable Innovations Inc., Squish/Lawler and Lawler, Valoya Inc., Versaponic.





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SPEAKER INFORMATION

MARCH 26, 2022

Welcome to SIU Carbondale 8:30-8:45am

Dr. Gary Kinsel, Vice Chancellor of Research, Southern Illinois University (SIU) Carbondale

Prof. Kinsel currently serves as the Vice Chancellor of Research for Southern Illinois University Carbondale and is one of the founding members of the SIUC Center for Cannabis Science. He is an analytical chemist and mass spectrometrists by training and has an interest in the development / application of hemp/cannabis testing methodologies.

2022 Update on Illinois Hemp/Cannabis Legislation and Regulation 8:45-9:15am

Mark Peysakovitch, Managing Partner, MBM Advantage LLC

Mark Peysakhovich is the Managing Partner of MBM Advantage LLC, a firm that provides legislative and public affairs consulting as well as community outreach, alliance building and business development services to a diverse set of clients in sectors ranging from cannabis to construction to healthcare and human services. Mark has 30 years of public affairs, community engagement and management experience, having previously held a variety of leadership positions in the public health and human services sector.

Cannabis Standards to Protect Public Health, Consumer Safety, and the Environment 9:15-9:45am

Lezli Engelking, Founder and President of the Foundation of Cannabis Unified Standards (FOCUS)

Lezli Engelking is the Founder and President of Foundation of Cannabis Unified Standards (FOCUS). After receiving her Bachelor of Science in Communication and Statistics from Arizona State University, Lezli spent over two decades in the mental health and pharmaceutical sectors. Her keen understanding around the importance of quality and safety gained during her 12-year tenure with Eli Lilly prompted her to pivot and apply her expertise to the burgeoning cannabis industry. Ms. Engelking has been an executive leader in the cannabis industry since 2011, when she opened the first chain of vertically integrated medical cannabis operations in Phoenix, Arizona. Through her experiences in that role, Ms. Engelking realized the critical need for cannabis-specific quality and safety standards in an emerging and rapidly growing industry.

Delta-8 & Beyond, Retail Outlook For Novel Cannabinoids 9:45-10:15am

John Murray, President of Sustainable Innovations, Inc.

John Murray will discuss the societal status of delta-8 THC in modern day.

Cannabidiol Inhibits SARS-CoV-2 Replication and Promotes the Host Innate Immune Response 10:30-11:30am

Dr. Marsha Rosner, Charles B. Huggins Professor, University of Chicago Cancer Center

Professor Marsha Rosner is among the founders of the field of signal transduction with extensive experience for over 30 years studying signaling pathways and networks. Her group published one of the original papers characterizing MAP kinase (later called ERK), characterized MAP kinase family networks in breast cancer and proposed novel approaches to treatment. The current focus of Rosner lab is to understand fundamental signaling mechanisms leading to the generation of tumor cells and their progression to metastatic disease, particularly in triple-negative breast cancer that lacks targeted therapies. Her lab has utilized a specific physiological suppressor of metastasis, Raf Kinase Inhibitory Protein (RKIP or PEBP1), and a downstream target of RKIP in cells, BACH1, to identify both molecular and cellular mediators of metastasis. Most recently Professor Rosner has examined the potential interactions between cannabinoids and the SARS-CoV-2 virion.

Determination of Content Versus Label Claim of Cannabidiol-Containing Consumer Products Using HPLC with UV-Vis Detection 11:30am-12:00pm

Dr. Mary Kinsel, Director of Mass Spectrometry Facility at SIU

Dr. Mary Kinsel is an analytical chemist with 29 years of experience using chromatographic separations with photodiode array or mass spectrometric detection to characterize complex samples. Dr. Kinsel's laboratory provides testing of cannabinoids, terpenes, and metals profiling and quantitation to support industrial hemp research on the SIU campus. Dr. Kinsel has a personal interest in developing and optimizing methods for cannabis/hemp-derived consumer product testing.

Research Update/Overview of Cannabis Medicine 12:00-12:30pm

Dr. Buck Hales, Professor and Chair, Department of Biomedical Science, SIU School of Medicine

Dr. Buck Hales obtained his PhD in Biochemistry from University of Colorado and is an expert in steroid hormone biochemistry and reproductive physiology. Dr. Hales' laboratory studies ovarian cancer using the laying hen as our model. The laying hen is the only natural animal model of spontaneous ovarian cancer that replicates the human disease. His work has shown that diets supplemented with flaxseed cause a reduction in the incidence and severity of ovarian cancer and he continues to explore the molecular mechanisms that drive the cancer prevention actions. His lab's current studies explore hemp cannabinoids for cancer prevention and aim to understand the role of diet and the endocannabinoid system in ovarian cancer.



COMMUNITY SHOUT-OUT LEGAL SMILE & SOIL GROWN



GROW YOUR OWN IN SOUTHERN ILLINOIS

Southern Illinois natives, Halee Hicks and Jacob Buckman, offer local and high-end fine glass, hemp products, and everything needed to grow-your-own.

Local legends Halee and Jacob offer their time and skills enhancing what is now a multi-billion dollar a year industry in Illinois. They take a more considered approach to helping their customers by offering a traditional retail shop for fine glass and hemp products at Legal Smile, and offer customers an additional shopping experience at Soil Grown (opened in July, 2020), their adjacent shop featuring items like nutrients, minerals, soil, inputs, probiotics, tents, fans, lights, soil mixes, and more. Legal Smile's Carbondale, IL location opened in May of 2019, their Harrisburg, IL location opened in January of 2021, and their third shop in Marion, IL opened in March of this year. In addition to educating the people of southern Illinois, They have helped host and support

local and regional community-based events, in collaboration with other small local businesses, and plan on hosting grow workshops mid-summer and a possible happy harvest event in late fall. When asked, what aspects of Southern Illinois make it an ideal place for a new, budding industry, they replied, "we have a temperate climate, land and real estate is affordable, and we are centrally located. Also, having SIU's long-standing history of traditional agricultural education and research on which to build". Another topic of importance to Halee and Jacob is the future of cannabis in Southern Illinois, and how the SIU Cannabis Science Center plays an important role in the evolution of cannabis here in southern Illinois. Halee stated, "The explosion of medical and recreational cannabis has far outpaced research. Prohibition has also limited science-based research and opportunities. We believe that the SIU Cannabis Science Center will be a hub for students, educators and the community to help facilitate research and understanding of the cannabis plant and all its uses. Our hope is that a greater educated community will also bring more sustainable farming practices to the industry and our area". Many of these noted topics are also of top importance here at the SIU Cannabis Science Center. "The hemp and cannabis industry has been evolving into constant opportunity over the past several years. Everything from



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modernized medication to the number of jobs the industry continues to create. It has given us an alternative to pharmaceutical medicines and the freedom to self-medicate. The most rewarding experience in this industry is a combination of the people and the plant itself. We the people have been fighting for cannabis' legalization since prohibition, and to see this industry grow and form into the shape it is in now is beyond exciting, many people never thought they'd see this day, but here we are. We are in a very interesting time to be alive”!



VISIT THESE LEGAL SMILE + SOIL GROWN* LOCATIONS:

Carbondale, IL • Harrisburg, IL • Marion, IL

FIND LEGAL SMILE ON FACEBOOK AND INSTAGRAM.

***Soil Grown is located in Carbondale.**



RECENT CANNABIS EVENTS:

SOME FACINATING EVENTS IN THE ILLINOIS CANNABIS INDUSTRY



NECANN: THE ILLINOIS CANNABIS CONVENTION

June 10-11, 2022 / Chicago, IL

With the approval of the Illinois Cannabis Regulation and Tax Act in 2019, Illinois became the first state in the U.S. to legalize recreational marijuana sales through legislation rather than voter initiatives. Since legalization, Illinois has seen an average monthly revenue of \$40 million from recreational cannabis sales. NECANN brings together the best in the industry.

PAST EVENTS

Save
THE
Date



SOUTHERN ILLINOIS HEMP/CANNABIS SYMPOSIUM



Saturday, March 26, 2022

Our 2nd Symposium was a success! Attendees gained practical information and tools for new and experienced organic hemp growers, producers, and processors. The symposium offered information on current research, farming techniques, production, lab analytics and medical uses. Key speakers included experts and exhibitors in their respective fields. Q&A sessions provide abundant resources for attendees. Thanks to all who joined us!



2022 ILLINOIS VIRTUAL HEMP SUMMIT

Tuesday, February 22, 2022

9:00 to Noon Please register below:

(Registered attendees will be emailed a link to the event Friday, February 18. There is no cost to attend, registration is required.)



ILLINOIS WOMEN IN CANNABIS

THE GREEN EVOLUTION – CULTIVATING
STRENGTH THROUGH INDUSTRY CHANGE
AND CHALLENGES

Saturday, March 12, 2022

CHICAGO, IL