



CANNABIS CLINICAL OUTCOMES RESEARCH CONFERENCE (CCORC)

CCORC 2024 SUMMARY

ccorc.mmjoutcomes.org



Consortium for
Medical Marijuana
Clinical Outcomes Research



Cannabis Clinical Outcomes Research Conference (CCORC)

INTRODUCTION

The Consortium for Medical Marijuana Clinical Outcomes Research launched its annual Cannabis Clinical Outcomes Research Conference (CCORC) in 2021. This research-centric meeting, open to patients and providers, offers a venue for sharing research findings, disseminating the latest evidence on the health impacts of marijuana, and catalyzing research collaborations both state-wide and nationally.

The objectives of CCORC are:

- Dissemination of research findings on medical cannabis use, efficacy, safety, and other relevant outcomes
- Provide a venue for clinical and research educational opportunities related to medical cannabis
- Foster research collaboration, and stakeholder engagement, between Consortium member institutions and beyond

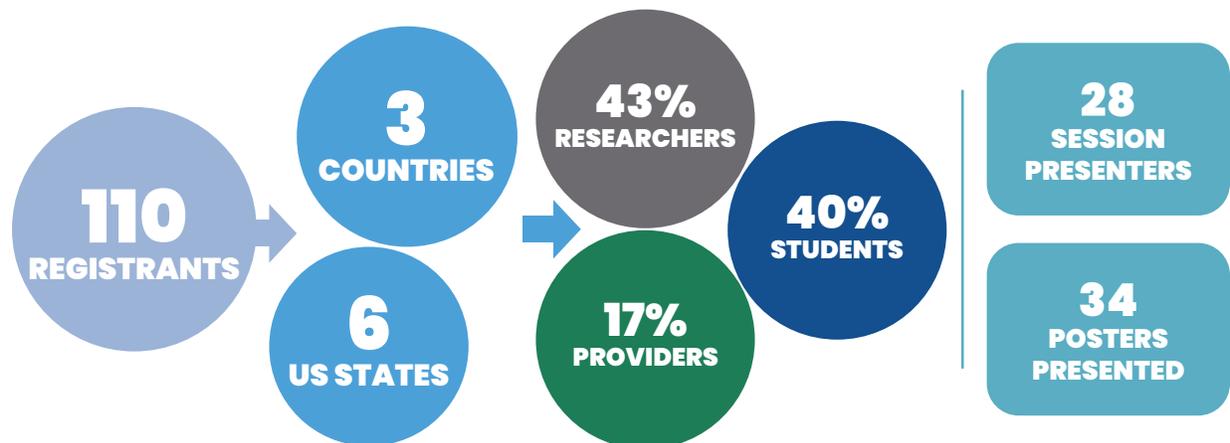
Adapting to conditions created by COVID-19, the Consortium's held its inaugural CCORC conference virtually on April 8th and 9th, 2021. Since 2022, CCORC is held using a hybrid attendance model; the conference takes place in-person at UF's satellite campus in Lake Nona, FL with select presentations available to stream online.

CCORC 2024 OVERVIEW

CCORC 2024 was a **1.5 day** conference gathering medical marijuana researchers, providers, patients, and industry representatives.

The conference featured **3 keynote presentations**, **12 oral presentations** from top abstracts, and **2 poster sessions** featuring **34 research abstracts** selected following peer review. Oral presentations in the conference program grew from last year's 8 to 12 in order to showcase additional top abstracts submitted by students and researchers. Student representation in the audience has been increasing steadily with **17% in 2022**, **34% in 2023**, and **40% in 2024**.

CCORC 2024 QUICK FACTS



THREE EMERGING THEMES FROM THE CONFERENCE

- 1** Effects of cannabis when used with mental health conditions
- 2** Translation of basic science research findings into clinically actionable evidence
- 3** Identifying and quantifying problematic cannabis use

KEYNOTE SPEAKERS



Matthew Hill, PhD

Professor

Hotchkiss Brain Institute
University of Calgary

Keynote Title – *Cannabis, Endocannabinoids and PTSD*



Ryan Vandrey, PhD

Professor

Behavioral Pharmacology Research Unit
Johns Hopkins University

Keynote Title – *Using Laboratory Science to Inform Clinical Decision Making and Patient Safety in Medicinal Cannabis*



Margaret Haney, PhD

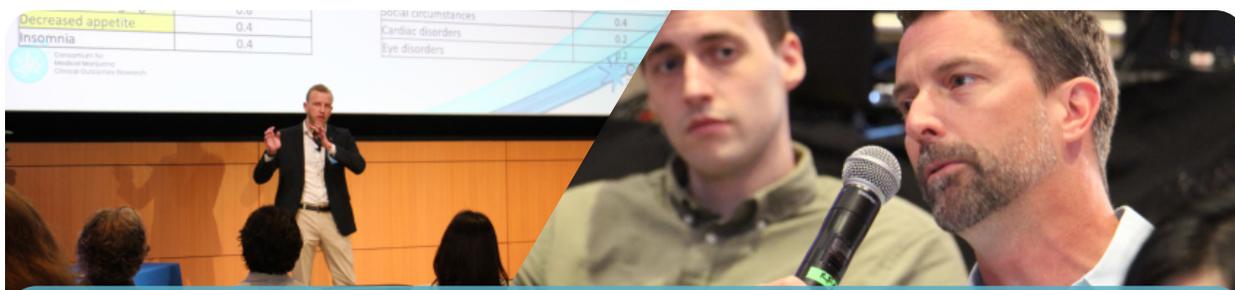
Professor

Irving Medical Center
Columbia University

Keynote Title – *Cannabis Use Disorder*

CONTINUING EDUCATION CREDITS OFFERED

Starting in 2022, CCORC continues to offer Continuing Medical Education (CME) and Continuing Pharmacy Education (CPE) credits for physicians as well as pharmacists attending the conference for each of the three keynote addresses.



ORAL PRESENTATIONS OF TOP ABSTRACTS

Attendees engaged with a wide range of topics related to cannabis research via the top abstracts selected for oral presentations. Each segment included a Q&A portion allowing audience members to contribute their perspectives.

[Read CCORC 2024 abstracts here >](#)

STUDENT PRESENTERS



Alexandria Cashman
Research Volunteer, University of Miami
Prevalence of Mental Health Conditions and Symptoms Among Emerging Adult Cannabis Consumers Compared to Non- Consumers: Preliminary Results from the Herbal Heart Study



Jocelyn Mueller, MS
Research Assistant, University of Central Florida
Effects of cannabis expectancies upon current anxiety and depressive symptoms among women with post-traumatic stress disorder



Anuradha Ramdas, MPH
Research Assistant, University of Miami
Cannabis Use During Pregnancy: Trimester-Specific Insights into Cannabinoid Preferences – Results from COVID-19 Cannabis Mom Study



Jacob Ross, BS
Research Coordinator, UC San Diego Health
Posttraumatic Stress Disorder Symptoms are Associated with Impaired Mnemonic Pattern Separation but Paradoxically Improved Pattern Separation with Comorbid Heavy Cannabis Use



John Stauffer, MS
PhD Student, University of Florida
Sublingually-administered CBD is safe and effective in reducing symptoms associated with strenuous exercise



Melanie Zamora
Undergraduate Student, University of Miami
Cannabis Consumption and Problems in the Family: Differences Across Gender, Ethnicity, and U.S. Nativity Among Young Adult Cannabis Consumers - Preliminary Insights from the Herbal Heart Study



Christopher Broxson, BS, BA
Senior Biological Scientist, University of Florida
Anti-fibrotic Effects of Cannabidiol are Diminished When Fibrotic Scar Formation



Naeen Chaudhry, MD, MS
Assistant Professor, University of Miami
Patterns and Perceptions of Marijuana use for Symptom Control in Inflammatory Bowel Disease Patients



Niall Murphy, PhD
Associate Research Professor, University of Florida
Pharmacological interactions between cannabidiol and oxycodone in the brain



Donald Porchia, PhD
Manager and Analyst II, University of Florida
Gender differences in correlations of self-reported marijuana use with a creatinine-normalized urine biomarker among persons



Mandip Singh Sachdeva, PhD
Professor, Florida A&M University
A Oral Delivery of Cannabinoids using Milk Exosomes and their delivery to Breast Tumors: Pharmacokinetic and Pharmacodynamic Investigations



Armiel Suriaga, PhD, MSN, RN
Assistant Professor, Florida Atlantic University
What are the odds of dying from drug intoxication among cannabis users who also used opioids, kratom, and alcohol?



TOP SCORING ABSTRACTS

Each year, CCORC honors the abstracts receiving top scores during the peer review process. The following authors received recognition at CCORC 2024. [Read CCORC 2024 abstracts here >](#)

Top Student Abstracts:



Alexandria Cashman
University of Miami

Prevalence of Mental Health Conditions and Symptoms Among Emerging Adult Cannabis Consumers Compared to Non- Consumers: Preliminary Results from the Herbal Heart Study



Juan Perez
University of Florida

Retention rate in a longitudinal cannabis survey: lessons for future studies



Anuradha Ramdas
University of Miami

Cannabis Use During Pregnancy: Trimester-Specific Insights into Cannabinoid Preferences – Results from COVID-19 Cannabis Mom Study

Top Non-Student Abstracts:

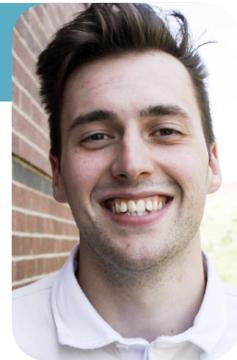
Donald Porchia
University of Florida

Gender differences in correlations of self-reported marijuana use with a creatinine-normalized urine biomarker among persons with HIV



Carter Reeves
University of Utah

Association Between Cannabis Information Source and Illicit Cannabis Use in a State Medical Cannabis Program



Armiel Suriaga
Florida Atlantic University

What are the odds of dying from drug intoxication among cannabis users who also used opioids, kratom, and alcohol?





POSTER SESSIONS

Two poster sessions highlighting 34 abstracts selected following peer review provided an opportunity for research faculty and students from all nine Consortium-member institutions to present their work. A jury of experts scored each of the posters, awarding a prize to the top scoring poster presentation for session one, session two, and overall.

CCORC 2024 Best Poster Presentations:



Mounika Aare
Florida A&M University

Best Student Poster Session One

Poster Title: Synergistic Anticancer Activity of Cannabinoids and Terpenes Against Doxorubicin Resistance Breast Cancer



Alexandria Senetra
University of Florida

Best Student Poster Session Two

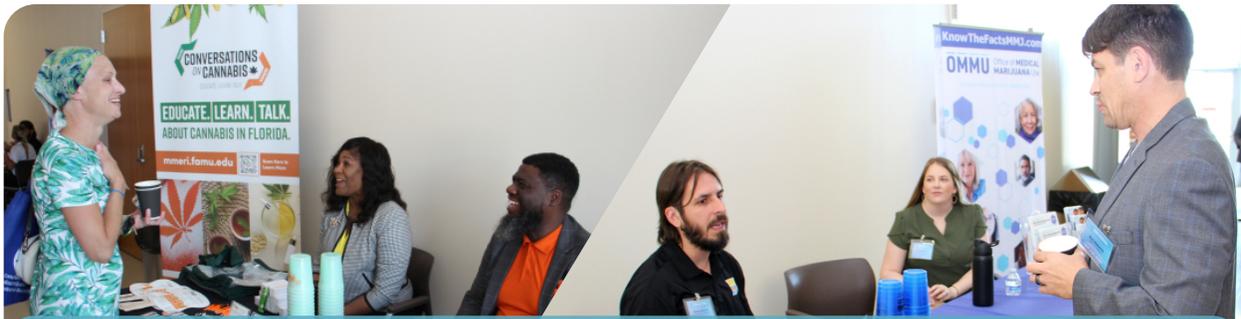
Poster Title: Development of UPLC- MS/ MS Method to Quantify Baseline Levels of Endocannabinoids in Mouse Brain



Bassma Eltanameli
University of Florida

Best Student Poster Overall

Poster Title: Evaluation of cannabidiol- drug interactions using static and dynamic models

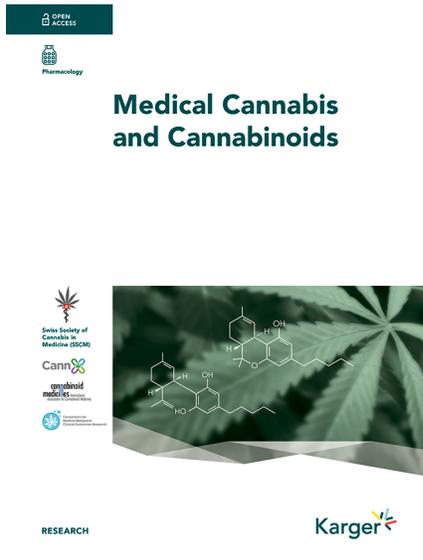


EXHIBITORS

Each year CCORC offers exhibitor space for industry and outreach-focused organizations related to cannabis. Exhibitors at CCORC 2024 included two prominent institutions focusing on medical cannabis and public health in the state of Florida, OMMU and FAMU MMERI.



CONFERENCE PROCEEDINGS PUBLISHED



The proceedings and abstracts for CCORC 2024 have been published in the official journal of the Consortium, ***Medical Cannabis and Cannabinoids***. This peer-reviewed journal offers an international forum to present and discuss recent advances in the rapidly developing and challenging field surrounding the medical use of cannabis and cannabinoids. Inclusion in the journal expands the dissemination of the research presented at CCORC 2024 as well as increasing awareness for the conference at large.

[Read CCORC 2024 proceedings here >](#)

[Read CCORC 2024 abstracts here >](#)

For more information on ***Medical Cannabis and Cannabinoids***, please visit karger.com/mca

PROGRAM AT A GLANCE DAY ONE

Time (EDT)	Session Description	Δ=VIRTUAL OPTION AVAILABLE
	Day 1 Welcome Address Δ	
9:00-9:20am	Dr. Almut Winterstein Consortium for Medical Marijuana Clinical Outcomes Research University of Florida	
	CCORC 2024 Agenda Overview Δ	
9:20-9:30am	Dr. Amie Goodin Consortium for Medical Marijuana Clinical Outcomes Research University of Florida	
	Keynote: Cannabis, Endocannabinoids and PTSD* Δ	
9:30-10:45am	Introduction: Dr. Yan Wang, University of Florida Dr. Matthew Hill Hotchkiss Brain Institute University of Calgary	
10:45-11:00am	Exhibitor Hall Coffee Break	
	Presentations of Top Abstracts: Cannabis, Women's Health, and Gender Moderator: Dr. Sari Paikoff, Florida Gulf Coast University	
11:00-12:00pm	Anuradha Ramdas University of Miami Jocelyn Mueller University of Central Florida Melanie Zamora University of Miami Dr. Donald Porchia University of Florida	

MAY 30TH, 2024

Time (EDT)	Session Description	Δ=VIRTUAL OPTION AVAILABLE
12:00-1:00pm	Lunch	
1:00-2:15pm	Keynote: Using Laboratory Science to Inform Clinical Decision Making and Patient Safety in Medicinal Cannabis* Δ Introduction: Dr. Md Mahmudul Hasan, University of Florida Dr. Ryan Vandrey Behavioral Pharmacology Research Unit Johns Hopkins University	
2:15-3:30pm	Poster Session 1 Exhibitor Hall Coffee Break	
3:30-4:15pm	Medical Marijuana & Me (M³): Cross-sectional and longitudinal survey findings from Florida medical marijuana patients Dr. Yan Wang Dr. Robert Cook Sebastian Jugl Juan Perez Sophie Maloney University of Florida	
4:15-5:15pm	Presentations of Top Abstracts: Cannabis Use Patterns and Risk Perceptions in Selected Population Moderator: Dr. Ellen Louise Terry, University of Florida Alexandria Cashman University of Miami Dr. Armiel Suriaga Florida Atlantic University Dr. Naeen Chaudhry University of Florida Jacob Ross University of California San Diego	
5:15-6:30pm	Poster Session 2 Exhibitor Hall Networking Reception	

PROGRAM AT A GLANCE DAY TWO

Time (EDT)	Session Description	Δ=VIRTUAL OPTION AVAILABLE
	Day 2 Welcome Address Δ	
8:00-8:15am	Dr. Robert Cook Consortium for Medical Marijuana Clinical Outcomes Research University of Florida	
	Keynote: Cannabis Use Disorder* Δ	
8:15-9:30am	Introduction: Dr. Robert Cook, University of Florida Dr. Margaret Haney Irving Medical Center Columbia University	
	Presentations of Top Abstracts: Cannabis as a Therapeutic and Novel Delivery Mechanisms	
9:30-10:30am	Moderator: Dr. Varan Govind, University of Miami Dr. Mandip Sachdeva Florida A&M University John Stauffer University of Florida Christopher Broxson University of Florida Dr. Niall Murphy University of Florida	

MAY 31ST, 2024

Time (EDT)	Session Description	Δ=VIRTUAL OPTION AVAILABLE
10:30-10:45am	Exhibitor Hall Coffee Break	
10:45-11:30am	The Medical Marijuana Clinical Outcomes Repository (MEMORY): Overview of Florida medical marijuana dispensing data and preliminary results Dr. Almut Winterstein Sebastian Jugl Priyanka Kulkarni Darla Khouri University of Florida	
11:30-12:00pm	Closing and Awards Ceremony Δ	
12:00-1:00pm	Board Meeting and Lunch (Invitation Only)	

CE Information

* May be eligible for CME and CPE credits. Please check ccorc.mmjoutcomes.org/continuing-education-credit/ for details. The University of Florida College of Medicine designates this live activity for a maximum of 3.75 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity. The University of Florida College of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians. The University of Florida is accredited by the Accreditation Council for Pharmacy Education as a provider of continuing pharmacy education. This program has been approved by the Accreditation for Pharmacy Education for 3.75 hours of continuing pharmacy education credit.



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SAVE THE DATE



CANNABIS CLINICAL OUTCOMES RESEARCH CONFERENCE

MAY 29TH– 30TH, 2025 | ORLANDO, FL

 **CCORC 2025**

ccorc.mmjoutcomes.org

CONTACT US
mmj.outcomes@cop.ufl.edu
352-273-6984



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