CANNABIS CLINICAL OUTCOMES RESEARCH CONFERENCE (CCORC)

CCORC 2023 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
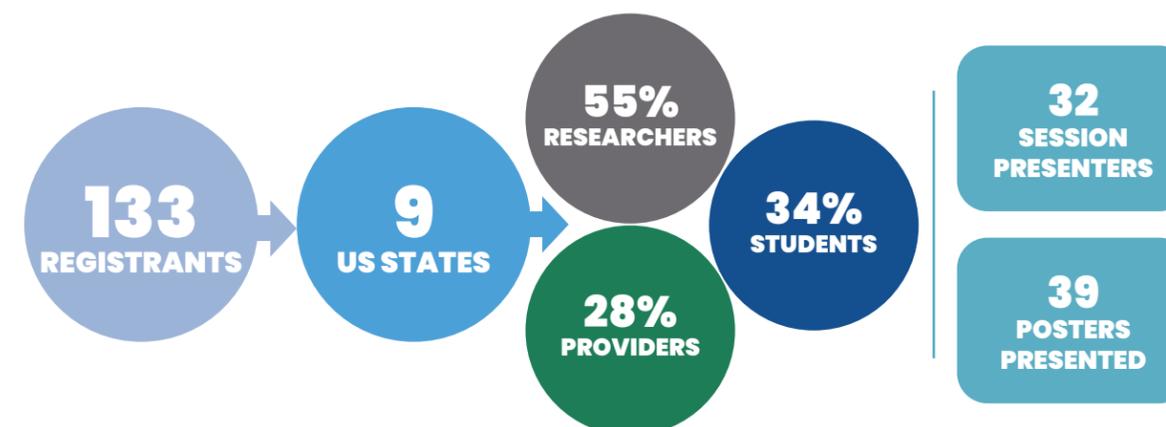- Foster research collaboration, and stakeholder engagement, between Consortium member institutions and beyond

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 2023 OVERVIEW

CCORC 2023 was a **1.5 day** conference gathering medical marijuana researchers, providers, patients, and industry representatives.

The conference featured **3 keynote presentations**, **8 oral presentations** from top abstracts, **3 panel discussions**, **2 poster sessions** featuring **55 research abstracts** selected following peer review, and **2 breakout sessions**. Participation in the conference program increased dramatically, boasting a **28% increase** in session presenters and a **39% increase** in poster presentations. Student representation saw a doubling in registration numbers, increasing their share of the audience from **17% in 2022** to **34% in 2023**.

CCORC 2023 QUICK FACTS

133 REGISTRANTS → **9** US STATES → **55%** RESEARCHERS / **28%** PROVIDERS / **34%** STUDENTS

32 SESSION PRESENTERS

39 POSTERS PRESENTED

THREE EMERGING THEMES FROM THE CONFERENCE

Disentangling Conflicting Evidence in Research Studying the Relationship Between Medical Cannabis and Public Health

+

Seeking Solutions to Address Barriers Faced when Conducting Clinical Cannabis Research

+

Unpacking the Data Behind Cannabis Use, Mental Health, and Cognition

KEYNOTE SPEAKERS

Jodi Gilman, PhD
Director of Neuroscience
Center for Addiction Medicine, Massachusetts General Hospital
Associate Professor
Dept. of Psychiatry, Harvard Medical School

Keynote Title – *Recreational and Medical Cannabis: Potential Implications on Cognition and Clinical Outcomes*

Kelly Young-Wolff, PhD, MPH
Adjunct Associate Professor
Dept. of Psychiatry, UC San Francisco
Consulting Assistant Professor
School of Medicine, Stanford University
Associate Professor
Bernard J. Tyson School of Medicine, Kaiser Permanente
Clinical Psychologist and Research Scientist
N. California Division of Research, Kaiser Permanente

Keynote Title – *Cannabis Use During Pregnancy: Research from Policy to Practice*

Shanna Babalonis, PhD
Director
Cannabis Center, University of Kentucky
Assistant Professor
Dept. of Behavioral Science and Center on Drug and Alcohol Research, University of Kentucky

Keynote Title – *Opioid and Cannabinoid Interactions: Abuse Potential and Clinical Implications*

ORAL PRESENTATIONS | HOT TOPICS | PANEL DISCUSSIONS

Attendees engaged with a wide range of topics related to cannabis research via oral presentations of top abstracts, "hot topics" presentations, and panel discussions. Each segment included a Q&A portion allowing audience members to further the conversation and contribute context from their professional perspectives.

Six of the eight top abstracts selected for oral presentation were submitted by student researchers.

CCORC 2023 Oral Presentations of Abstracts:
Read CCORC 2023 abstracts here >

STUDENT PRESENTERS

Mounika Aare, MS
Graduate Scholar, Florida State University
In-vitro Evaluation Of Cannabinoids In Combination with Terpenes In Overcoming Cancer Resistance

Martina Compagno
PhD Student, Florida State University
Health and Behavioral Consequences of Perinatal Cannabidiol Exposure in Mice Raised to Adult

Bassma Eltanameli, BPharm, MSc
PhD Student, University of Florida
Predicting the potential for cannabinoids-drug interactions with major CYP450 using model-based approaches

Sabrina Zequeira, MS
Graduate Student, University of Florida
Chronic oral administration of delta-9-tetrahydrocannabinol (THC) enhances working memory in aged but not young rats

Kristin Perrucci
Research Associate, University of Miami
Evaluation of cannabis constituents in preventing or reversing phantom limb pain in rats

Simone Marini, PhD
Assistant Professor, University of Florida
An anti-inflammatory gene expression signature is associated with CBD treatment in people living with HIV

Ruba Sajdeya, MD
PhD Candidate, University of Florida
A novel natural language processing algorithm to unlock preoperative cannabis use status data from unstructured narrative clinical notes

Isabella Jimenez
Undergraduate Research Assistant, University of Miami
Pain Severity Changes among Cannabis Consumers before and after Ketamine-Assisted Psychotherapy: Results from a Pilot Study Comparing Psycholytic and Psychedelic Approaches

TOP SCORING ABSTRACTS

Each year, CCORC honors the abstracts receiving top scores during the peer review process. The following authors received recorgnition at CCORC 2023.
Read CCORC 2023 abstracts here >

Top Student Abstracts:

Savoya Joyner
Florida State University

THC attenuates weight loss in a preclinical animal model of activity-based anorexia

Isabella Jimenez
University of Miami

Pain Severity Changes among Cannabis Consumers before and after Ketamine-Assisted Psychotherapy: Results from a Pilot Study Comparing Psycholytic and Psychedelic Approaches

Alexandria Senetra
University of Florida

Pharmacokinetic interactions of cannabidiol and oxycodone after oral administration in rats

Top Non-Student Abstracts:

Chandrakala Narasimhulu
University of Central Florida

CBD Attenuates Hyperglycemia Induced Pro-Inflammatory Cytokines, Chemokines and M1 Polarization in THP1 monocytes

Simone Marini
University of Florida

An anti-inflammatory gene expression signature is associated with CBD treatment in people living with HIV

Karina Villalba
Florida Atlantic University

Predictors of replacing alcohol with marijuana among older and younger adult women
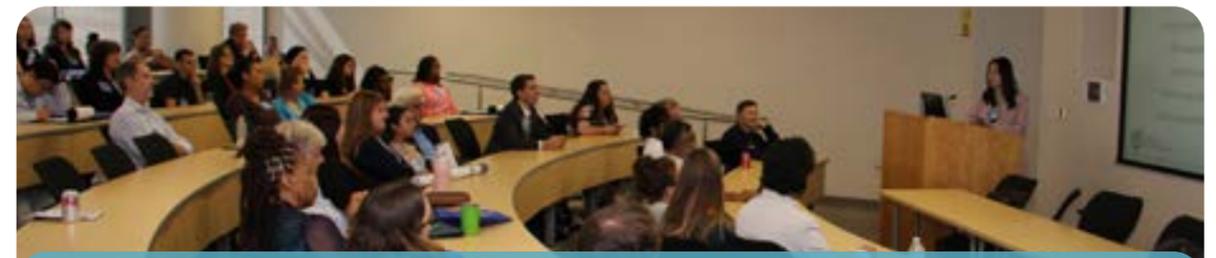

POSTER SESSION

A poster session highlighting thirty nine 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.

CCORC 2023 Best Poster Presentation:

Philip Melchert
Graduate Assistant, University of Florida

Poster Title:
In vitro evaluation of mitragynine metabolism to 7-hydroxymitragynine and the influence of major cannabinoids

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.

EXHIBITORS

Each year CCORC offers exhibitor space for industry and outreach-focused organizations related to cannabis. Exhibitors at CCORC 2023 included two prominent institutions focusing on medical cannabis and public health in the state of Florida, as well as cannabis researcher and author Cathie Hiegel.

CONFERENCE PROCEEDINGS PUBLISHED

The proceedings and abstracts for CCORC 2023 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 2023 as well as increasing awareness for the conference at large.

Read CCORC 2023 proceedings here >
Read CCORC 2023 abstracts here >

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

PROGRAM AT A GLANCE

Day 1

Time (EDT)	Session Description Δ=VIRTUAL OPTION AVAILABLE
9:00-9:20am	**Day 1 Welcome Address**# Δ **Dr. Almut Winterstein** Consortium for Medical Marijuana Clinical Outcomes Research University of Florida
9:20-9:30am	**Agenda Overview and Introduction to Keynote**# Δ **Dr. Amie Goodin** Consortium for Medical Marijuana Clinical Outcomes Research University of Florida
9:30-10:45am	**Keynote: Recreational and Medical Cannabis: Potential Implications on Cognition and Clinical Outcomes*** Δ **Dr. Jodi Gilman** Harvard Medical School Massachusetts General Hospital
10:45-11:00am	**Exhibitor Hall	Coffee Break**
11:00-12:00pm	**Presentations of Top Abstracts w/ Q&A**# Moderator: Dr. Mandip Sachdeva, Florida A&M University **Isabella Jimenez** University of Miami **Dr. Simone Marini** University of Florida **Sabrina Zequeira** University of Florida **Ruba Sajdeya** University of Florida
12:00-1:00pm	**Lunch**

May 18, 2023

Time (EDT)	Session Description Δ=VIRTUAL OPTION AVAILABLE
1:00-2:15pm	**Keynote: Cannabis Use During Pregnancy: Research from Policy to Practice* Δ** **Dr. Kelly Young-Wolff** Center for Addiction and Mental Health Research Kaiser Permanente Northern California
2:15-3:30pm	**Poster Session 1 | Exhibitor Hall | Coffee Break**
3:30-4:15pm	**Clinical Challenges in Medical Cannabis Practice#** Moderator: Dr. Robert Cook, University of Florida **Dr. John "Jack" Crump** **Dr. Melanie Bone** Releafe Now Private Practitioner **Dr. Kelly King** **Dr. Justin Davis** ReleafMD FMD Green
4:15-5:00pm	*Note: Sessions A & B Will Be Held Simultaneously* **Session A: The Medical Marijuana & Me (M3) Study overview and findings from the cross-sectional survey of Florida medical marijuana patients#** **Dr. Yan Wang | Dr. Robert Cook | Dr. Catalina Lopez-Quintero** **Juan Perez | Hannah Fechtel** University of Florida **Session B: Using Contemporary Communication Approaches to Educate Athletes About Marijuana#** **Dr. Jeff G Konin** University of Florida **Corey Tremble** Detroit Tigers Baseball Club
5:00-6:30pm	**Poster Session 2 | Exhibitor Hall | Networking Reception**

PROGRAM AT A GLANCE

Day 2

Time (EDT)	Session Description Δ=VIRTUAL OPTION AVAILABLE
8:00-8:15am	**Day 2 Welcome Address# Δ** **Dr. Robert L. Cook** Consortium for Medical Marijuana Clinical Outcomes Research University of Florida
8:15-9:30am	**Keynote: Opioid and Cannabinoid Interactions: Abuse Potential and Clinical Implications* Δ** **Dr. Shanna Babalonis** University of Kentucky Director of the University of Kentucky Cannabis Center
9:30-10:30am	**Presentations of Top Abstracts w/ Q&A#** Moderator: Dr. Rose Stiffin, Florida Memorial University **Bassma Eltanameli** University of Florida **Mounika Aare** Florida A&M University **Kristin Perrucci** University of Miami **Martina Compagno** Florida State University
10:30-10:45am	**Exhibitor Hall | Coffee Break**

May 19, 2023

Time (EDT)	Session Description	Δ=VIRTUAL OPTION AVAILABLE

Note: Sessions A & B Will Be Held Simultaneously

Session A: Using a hemp pathway to probe the entourage effect. What other questions can be answered using this regulatory pathway?[#]

Dr. Anthony Ferrari | Dr. Jeff Konin
Florida International University

10:45-11:30am
Dr. Paul Borsa | Sheila Austin
University of Florida

Session B: Role of Exosomes containing CBD in cancer and chemotherapy induced peripheral neuropathy[#]

Dr. Mandip Sachdeva
Florida A&M University

11:30-12:00pm	**Closing and Awards Ceremony[#] Δ**
12:00-1:00pm	**Board Meeting and Invited Lunch Reception**

CE Information

* May be eligible for CME and CPE credits. Please check ccorc.mmjoutcomes.org/agenda/cme-credit/ and ccorc.mmjoutcomes.org/agenda/cpe-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.
Each of the Keynote addresses is eligible for 1.25 CPE credits.
Not accredited for CPE

SAVE THE DATE:

CANNABIS CLINICAL OUTCOMES RESEARCH CONFERENCE

MAY 30-31, 2024 | ORLANDO, FL

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