

PROGRAM OVERVIEW: ANALYTICAL CANNABIS TRACK

Thursday, September 15, 2022

Meeting Room 309-310

8:50 a.m. **Welcome and Introduction**

9:00 a.m. **The Importance of Proficiency Testing and Round-Robin Testing for Cannabis Labs**
Morgan Keefer, AZLA

PANEL DISCUSSION

9:20 a.m. **Progress and Pain Points in Cannabis Testing: A Regulator's Perspective**
Moderator: Lori Dodson, Maryland Medical Cannabis Commission
Panelists: Victoria Pretti, NYS Office of Cannabis Management; Farahath Shenaz Dave, Maryland Medical Cannabis Commission; and Claire Patterson, Michigan's Cannabis Regulatory Agency

10:00 a.m. **BREAK – Coffee and Posters in the Exhibit Hall**

TESTING LABS SESSION

10:30 a.m. **Fractional Isolation of Cannabinoids by Fast Centrifugal Partitioning Chromatography**
Rob Driscoll, Rousselet-Robatel Kromaton Cannafuge

10:50 a.m. **What We Needed to Know That We Didn't Know—Tales from Accreditation and Licensing: A Lab's Journey**
Sarah Needham, Eastern Analytical Labs

11:20 a.m. **Effect of High Concentration of Cannabinoids in Analysis of Pesticides in Cannabis and Its Products—Challenges as Market Expands into More Edibles and Beverages**
Harry Behzadi, PhD, AccuScience Labs

11:40 a.m. **Hemp Derivatives and Isomers: Exploitation of an Unintended Loophole**
Christopher Hudalla, PhD, ProVerde Laboratories, Inc.

KEYNOTE ADDRESS

12:00 p.m. **Lessons Learned – Or Not – In Testing Cannabis**
Dr. Susan Audino, S. Audino & Associates, LLC

12:30 p.m. **BREAK – Lunch/Coffee and Posters in the Exhibit Hall**

PLENARY ADDRESS

2:00 p.m. **Matching the Right Flower to the Right Bride**
Dr. Dedi Meiri, Technion Israel Institute of Technology and Cannasoul, LTD

3:00 p.m. **BREAK –Coffee and Posters in the Exhibit Hall**

3:40 p.m. **LC–MS For Regulatory Testing: It's About Time**
Dr. Anthony Macherone, Agilent Technologies

4:10 p.m. **Phyto*: A Novel Multiplexed Microarray Assay For the Rapid Detection of Nine Plant Viruses and Viroids of Concern in Cannabis Sativa**
Dr. Shaun Stice, PathogenDx

4:40 p.m. **Troubleshooting Sample Preparation and Processing of Cannabis Products: Eliminating Contamination and Error**
Patricia Atkins, Spex, an Antylia Scientific Company

5:00 p.m. **Networking Mixer in Exhibit Hall**

Friday, September 16, 2022

Meeting Room 309-310

AOAC/CASP PANEL DISCUSSION

9:30 a.m. **The Importance of Quality Analytical Measurements**
Moderator: Scott Coates, AOAC International
Panelists: Dr. Susan Audino, S. Audino & Associates, LLC; Shane Flynn, Director, AOAC Proficiency Program; Alexandra Tudor, TEQ Analytical Labs; and Lori Dodson, Maryland Medical Cannabis Commission

HEAVY METALS SESSION

10:10 a.m. **New ASTM Metals in Cannabis Method**
Jenny Nelson, PhD, Agilent Technologies

10:30 a.m. **Profiling Metals of Toxicological Concern in CBD Tincture Oils**
Tom Gluodenis, PhD, Lincoln University

11:00 a.m. **Expanding the Panel of Elemental Contaminants in Cannabis and Hemp Consumer Products: Do You Know the Bottom Line?**
Robert Thomas, Scientific Solutions

EXTRACTION SESSION

11:20 a.m. **Setting Up a Cannabis Extraction Lab? 7 Key Factors to Consider**
Martha Hernández, CloudLIMS

KEYNOTE ADDRESS

11:50 a.m. **BEST Extraction in 2024**
Dr. John MacKay, PhD, Founder & CEO, Synergistic Technologies Associates

12:30 p.m. **BREAK – Lunch/Coffee and Posters in the Exhibit Hall**

2:00 p.m. **A Selective and Sensitive Approach to Roadside Breath Analysis for THC Which is Amenable to a Mobile Laboratory**
Professor Jack Henion, PhD, Emeritus/Cornell University

2:40 p.m. **Cannabinoid Analysis of Hemp Derived Products - Developing Methods That are Robust and Dependable**
Dr. Katherine K. Stenerson, PhD, MilliporeSigma

MICROBIOLOGICAL SESSION

3:10 p.m. **Microbiological Environmental Monitoring in Compliance Laboratories and How to Use Indicator Organisms to Prevent Fails for Production**
Anthony Repay, Method Testing Labs

3:40 p.m. **The Chiral and Achiral Separation of Cannabinoids on Polysaccharide Stationary Phases**
Weston Umstead, Daicel Chiral Technologies

4:10 p.m. **Hop Latent Viroid (HpLVd) Is Stable Outside of Cannabis Plant & Can Infect Through Water**
Nathan Johnson, PhD, Verne Bioanalytics

SPECIAL CANNABIS QC SESSION

4:30 p.m. **Standardization in the Cannabis Industry: The Ups and Down of Creating Robust Testing Methods**
Jini Curry, Modern Canna Labs

4:50 p.m. **Testing of Vapor Emissions in Cannabis Products**
Stephen Goldman, Kaycha Lab

PROGRAM OVERVIEW: MEDICAL CANNABIS TRACK

Thursday, September 15, 2022

Meeting Room 314-315

8:50 a.m. **Welcome and Introduction**

9:00 a.m. **Using Cannabis in the Management of Women's Health**
Dr. Jamila Owens-Todd, MINT/St. Louis University

PANEL DISCUSSION

9:20 a.m. **Innovations in Cannabis Research for Veterans**
Moderator: Renee Reisinger, MSN, NP, RN, BondHealthandWellness.com
Panelists: Eryck Stamper, Veterans Initiative 22; Cherissa Jackson, We Decode LLC; Jonathan Hollands, CPS, Veterans Health Administration; and Shad B. Ewart, Anne Arundel Community College

10:00 a.m. **BREAK – Coffee and Posters in the Exhibit Hall**

KEYNOTE ADDRESS

10:30 a.m. **Cannabinoid Acids: Inactive Precursors or Powerful Therapeutics?**
Dr. Dustin Sulak, Healer and Integr8 Health

11:20 a.m. **The Benefits of Cannabis Legislation for Pediatrics**
Rylie Maedler, Rylie's Smile Foundation & Rylie's Sunshine LLC

11:40 a.m. **Connor's Courage: Pediatric Pioneer Paving the Way for Safe Medical Cannabis Access in Schools and Hospitals**
Connor Sheffield, Connor Sheffield Foundation

PANEL DISCUSSION

12:00 p.m. **Pediatric Parents and Children**
Panelists: Janie Maedler, Trisha Sheffield and Rylie Maedler

12:30 p.m. **BREAK – Lunch/Coffee and Posters in the Exhibit Hall**

PLENARY ADDRESS: IN THE ANALYTICAL TRACK

2:00 p.m. **Matching the Right Flower to the Right Bride**
Dr. Dedi Meiri, Technion Israel Institute of Technology and Cannasoul, LTD

3:00 p.m. **BREAK – Coffee and Posters in the Exhibit Hall**

KEYNOTE ADDRESS

3:40 p.m. **Unique Combination of Cannabis and Mushrooms for the Treatment of Cancer**
Dr. Stephen Barnhill, Apollon Formularies, plc

4:20 p.m. **Ask a Cannabis Pharmacist: What's Wrong?**
Dr. Nina Diez, Pharm.D., M.P.H., Apothetique Holistic - Cannabis Consulting

4:40 p.m. **Necessary Medical Cannabis Education for U.S. Seniors and Their HCP**
Jacquie Cohen Roth, CannabizMD, LLC

5:00 p.m. **Networking Mixer in Exhibit Hall**

Friday, September 16, 2022

Meeting Room 314-315

KEYNOTE ADDRESS

9:30 a.m. **Cannabimimetics: What Are They and Why They Matter**
Dr. Swathi Varanasi, Element Apothec

PANEL DISCUSSION

10:10 a.m. **Clinical Directors: What They Do and Why They Are Needed in Every Market**
Moderator: Laura Barrett-Nutting, National Clinical Director Consortium
Panelists: Dawn-Marie Steenstra LPN, SDC,QA,SCC, Entourage Consulting Services, Barbara Ochester, Clinical Directors Consortium, and Travis Poonai, National Clinical Director Consortium

PANEL DISCUSSION

10:40 a.m. **Cannabis Nurses Network: A Revolution in Healthcare**
Moderator: Ken Sobel, Esq,
Panelists: Heather Manus, RN; Lisa Cheatham BSN, RN; and Ashley Wynn-Grimes, MS,RN-BC, Cannabis Nurses Network

11:20 a.m. **The Whitespace Between CAM and Traditional Medicine: Patient, Industry, and the Promise of Blockchain and W3 Technologies**
Dr. Randy Lee, George Washington University School of Medicine and Richard Gilchrist, WeGro Data

11:50 a.m. **HOPE®1 Autism Study**
Dr. Oludare Odumosu, Zelira Therapeutics

12:30 p.m. **BREAK – Lunch/Coffee and Posters in the Exhibit Hall**

2:00 p.m. **A Bridge Too Far: The Gap Between Holistic and Traditional Medicine**
Lisa A. Cheatham, BSN, RN, Cannabis Nurses Network

2:20 p.m. **The Wholesome Use of Cannabis**
Adhithyan Krishnan, AK Aveksha

2:50 p.m. **The Importance of Patient Education and a Practical Guide to Selecting Medicine**
Dr. Alexander Dix, KIP Dispensary

3:20 p.m. **We Decode Is Translating Your DNA for Cannabinoids and Terpenes**
Cherissa Jackson, We Decode LLC

3:40 p.m. **Opioid Addiction Antidote**
Nekeidra Cromwell, KeidyWeedy

4:00 p.m. **Cannabis and Mental Health in the Time of Corona**
Dr. Paloma Lehfeldt, Goodness Growth Holdings

4:20 p.m. **Combining Herbal and Cannabis Products to Boost Resilience**
Dr. Bhodi (Michael) Tims, Maryland University of Integrative Health

4:40 p.m. **Medical Cannabis in Maryland: Accessibility and Epistemological Issues Considered**
Amy Cruz, UMBC

PROGRAM OVERVIEW: PSYCHEDELICS TRACK

Thursday, September 15, 2022

Meeting Room 316-317

8:50 a.m. **Welcome and Keynote Introduction**

KEYNOTE ADDRESS

9:00 a.m. **There'S Room for Everyone: The Emerging Field of Psychedelic Therapeutics**
Dr. Leah Sera, PhD, Dr. Andrew Coop, PhD, and Dr. Chad Johnson, PhD, University of Maryland School of Pharmacy M.S. in Medical Cannabis Science and Therapeutics

10:00 a.m. **BREAK – Coffee and Posters in the Exhibit Hall**

KEYNOTE ADDRESS

10:30 a.m. **Psilocybin in the Treatment of Tobacco Addiction**
Dr. Matthew Johnson, PhD, The Susan Hill Ward Professor of Psychedelics, Johns Hopkins University School of Medicine

11:30 a.m. **Geographic Differences in the Mental Health Impact of Psilocybin and Cannabis Use Amid the COVID-19 Pandemic**
Dr. Denise Vidot, University of Miami

12:00 p.m. **Development of Psychedelic Quantitation Strategy by LC-QqQ MS**
Dr. Jonathan Ferguson, PhD, Shimadzu Scientific Instruments

12:30 p.m. **BREAK – Lunch/Coffee and Posters in the Exhibit Hall**

PLENARY ADDRESS- IN THE ANALYTICAL ROOM

2:00 p.m. **Matching the Right Flower to the Right Bride**
Dr. Dedi Meiri, Technion Israel Institute of Technology and Cannasoul, LTD

3:00 p.m. **BREAK – Coffee and Posters in the Exhibit Hall**

PANEL DISCUSSION

3:40 p.m. **A Nurse's Role in Spirit Medicine: Nurturing the Psychedelic Renaissance**
Moderator: Ken Sobel, Esq.
Panelists: Heather Manus, RN, Cannabis Nurses Network and Jamie Rollins, BSN, RN, CYT-500, KetaMD

4:20 p.m. **Commercialization of Psychedelics**
Sheila Gibson, Aura IP Law

5:00 p.m. **Networking Mixer in Exhibit Hall**

Friday, September 16, 2022

MEETING ROOM 316-317

9:30 a.m. **A New Beginning for an Old Therapy: Case Series Review on the Treatment of PTSD and Other Psychiatric Disorders with Psilocybin and Other Psychedelics**
James Schwartz, BSN, LNC, CascadeHigh

10:00 a.m. **Use of Nanopore Sequencing for Constructing Reference Grade Genomes for the 'Wood Lovers' Psilocybe Genus**
Kevin McKernan, Medicinal Genomics

10:40 a.m. **Ketamine at Home: An Effective Adjunct to Cannabis?**
Dr. Dustin Sulak, Healer & Integr8 Health

11:20 a.m. **Psychedelics for Beginners**
Janie Maedler, Rylie's Sunshine & Rylie's Smile Foundation

12:00 p.m. **Psychedelic/Addiction Awareness: A Veteran's Perspective**
Tony Landry, Veterans Action Council

12:30 p.m. **BREAK – Lunch/Coffee and Posters in the Exhibit Hall**

PROGRAM OVERVIEW: CULTIVATION TRACK

Thursday, September 15, 2022

Meeting Room 308

- 8:50 a.m. **Welcome and Introduction**
- 9:00 a.m. **Overview of the Phytochemicals Found in Cannabis**
Dr. Zacariah Hildenbrand,
University of Texas at El Paso
- 9:20 a.m. **Navigating Aspergillus**
Maria McIntyre, bioMerieux
- 9:40 a.m. **Cleanroom Strategies and Tactics for Commercial Cannabis Production**
Jason Hadley, FILTR/Lighthouse Worldwide Solutions
- 10:00 a.m. **BREAK – Coffee and Posters in the Exhibit Hall**
- KEYNOTE ADDRESS**
- 10:30 a.m. **Indoor Cultivation Climate Importance and Control**
Mike Finley, Cultivo, Inc., & STACS
- 11:30 a.m. **Introduction to General Breeding, Selection, and Commercial Cultivation Challenges and Strategies**
Thomas Klassen, Evermore Cannabis Company
- 12:00 p.m. **Microbial Inoculation of Clonally Propagated Cannabis Plant Starts: Effects on Harvest Quality and Secondary Metabolites**
Daniel Hendricks, HENDRX

12:30 p.m.

BREAK – Lunch/Coffee and Posters in the Exhibit Hall

PLENARY ADDRESS- IN THE ANALYTICAL ROOM

- 2:00 p.m. **Matching the Right Flower to the Right Bride**
Dr. Dedi Meiri, Technion Israel Institute of Technology and Cannasoul, LTD
- 3:00 p.m. **BREAK –Coffee and Posters in the Exhibit Hall**
- 3:40 p.m. **pHiguring Out pH and Nutrient “Lockout”**
Dr. Matt Taylor, Curio Wellness
- 4:00 p.m. **Emerging Diseases of Hemp in Maryland and Novel Biocontrol Strategies**
Dr. Papaiah Sardaru,
University of Maryland Eastern Shore
- 4:20 p.m. **Remote Driver the “Make Sense” Solution to Higher Efficiency Lower OpEx and CapEx Cost**
Frank Cirolia, Advanced Energy
- 4:40 p.m. **Microbiological Risk in Cannabis Production**
Andrew Hatch, National Cannabis Risk Prevention Services
- 5:00 p.m. **Networking Mixer in Exhibit Hall**

PROGRAM OVERVIEW: HEMP TRACK

Friday, September 16, 2022

Meeting Room 308

9:20 a.m. **Welcome and Introduction**

HEMP ACADEMIA SESSION

- 9:30 a.m. **Hemp Production from Seed to Flower**
Dr. Heather Darby, University of Vermont
- 10:00 a.m. **Utilizing In Vitro Culture Techniques for Disease-Free Plant Propagation of *Cannabis sativa* L.**
Dr. Sadanand Dhekney, Professor of Genetics and Plant Breeding, University of Maryland Eastern Shore
- 10:30 a.m. **Isolation, Identification, and Biocontrol Activity of *Bacillus* Species Against Hemp Pathogens**
Chinedu Ahuchaogu, University of Maryland Eastern Shore
- 11:00 a.m. **Chronic Oral Dosing of Cannabidiol (CBD) With and Without Low Doses of DELTA-9-Tetrahydrocannabinol (THC)**
Riley Robinson, Johns Hopkins
- 11:30 a.m. **The Pharmacokinetics and Pharmacodynamics of Hemp-based Topical Cannabinoid Products**
Hayleigh Tilton, Johns Hopkins Cannabis Science Laboratory (Behavioral Pharmacology Research Unit)

12:00 p.m.

Cannabinoid Content and Label Accuracy of Hemp-Derived Topical Products Available Online and at National Retail Stores

Mikahla McDeavitt,
Johns Hopkins Cannabis Science Laboratory

12:30 p.m.

BREAK – Lunch/Coffee and Posters in the Exhibit Hall

KEYNOTE ADDRESS

- 2:00 p.m. **Isolation of and Conversion of Delta 9-Tetrahydrocannabinol into Cannabichromene acid and Cannabigerol**
Benbruno Nkapbela, CEO, Fiction Formulations & Services
- 2:50 p.m. **Planting the Future of Hemp and Cannabis**
Sam Proctor, Growing Together Research Inc.
- 3:20 p.m. **The Cannabis Smorgasbord: Integrating Legacy Operators, Traditional Business, and Science to Ensure High Quality, Safe Cannabis Products for Consumers**
Scheril Murray Powell Esq.,
SMP LAW/Creative Services
- 3:50 p.m. **Assessing the Impact of Minor Cannabinoids with Data, Not Reviews**
Tyler Dautrich, MoreBetter (Releaf App)