

PRELIMINARY AGENDA

July 6, 2025 16:00 Arrivals, ICRS Registration (16:00) and welcome reception (18:00-20:00)

Day 1, July 7		
8:30-8:45	Welcome	
8:45-10:30	Session 1. Pain, Inflammation, and Neuroimmu	une Disorders
8:45-9:00	INHIBITORS OF ENDOCANNABINOID DEACTIVATION DIFFERENTIALLY SUPPRESS PACLITAXEL-INDUCED NEUROPATHY AND TUMOR GROWTH IN A MOUSE MODEL OF BREAST CANCER	Jonah Wirt, Emily Fender- Sizemore, Mirjam Huizenga, Mario Van der Stelt and Andrea G. Hohmann
9:00-9:15	STRUCTURE-GUIDED OPTIMIZATION OF MAGL INHIBITORS FOR THE TREATMENT OF NEUROPATHIC PAIN	Mirjam Huizenga, Jonah Wirt, Richard van den Berg, Darcy Reynolds, Joey Reverey, Daan van der Vliet, Diep Vu, Roger Buijsman, Antonius Janssen, Andrea Hohmann and Mario van der Stelt
9:15-9:30	CB2 CANNABINOID RECEPTOR-SPECIFIC THERAPEUTIC ANTIBODY AGONISTS FOR TREATMENT OF CHEMOTHERAPY- INDUCED PERIPHERAL NEUROPATHY	Carlos Henrique Alves Jesus, Raghavender Gopireddy, Swastik Sen, Richard Yu, Toshihiko Takeuchi, Lauren Schwimmer and Andrea Hohmann
9:30-9:45	THE NAAA INHIBITOR ARN19702 SUPPRESSES INFLAMMATORY AND NEUROPATHIC PAIN IN MICE	Laura Boullon, Luana Assis Ferreira, Danielle Piomelli and Andrea G Hohmann
9:45-10:00	VALIDATION OF A RAT MODEL OF INCISIONAL WOUND-RELATED PAIN: EFFECT OF ENDOCANNABINOID SYSTEM MODULATION	Catherine R. Healy, Maria C. Redmond, Mary Hopkins, Georgina Gethin, Abhay Pandit and David P. Finn

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10:00-10:15	SEX-STRATIFIED ANALYSIS OF SPINAL ENDOCANNABINOID SYSTEM AND NEUROIMMUNE INTERACTIONS IN NEUROPATHIC PAIN	Marta Kaminska, Natalia Stelmach, Magdalena Maciuszek, Katarzyna Popiolek-Barczyk and Natalia Malek
10:15-10:30	CANNABIDIOL (CBD) IMPROVES ALLODYNIA AND COGNITIVE FUNCTION ALONG WITH SYNAPTIC PLASTICITY IN A MOUSE MODEL OF SPARED NERVE INJURY	Maciej Degutis, Magdalena Białoń, Katarzyna Popiołek- Barczyk, Michela Perrone, Antimo Fusco, Roozbe Bonsale, Ida Marbese, Sabatino Maione, Katarzyna Starowicz
10:30-11:00	Coffee Break	
11:00-12:00	Presidential Plenary Lecture 1: NEUROINFLAMMATION IN PAIN - HAVE WE BEEN OVERLOOKING THE MESENCHYME?	Franziska Denk
12:00-13:00	Session 2. Neurodevelopmental Consequence Exposure During Early Life and Ade	
12:00-13:00 12:00-12:15	Neurodevelopmental Consequence	
	Neurodevelopmental Consequence Exposure During Early Life and Add REVERSIBLE BEHAVIORAL DEFICITS INDUCED BY PRENATAL THC EXPOSURE BECOME IRREVERSIBLE AFTER	Diana Dimen, Petra Aradi, Caroline Shumaker, Lisette Gold, Joseph Kimmel Leffel, Miklos Zoldi, Laszlo Barna, Hui-Chen Lu, Kenneth Mackie

12:45-13:00	FUNCTIONAL, STRUCTURAL, AND BEHAVIORAL IMPACTS OF ADOLESCENT CANNABIS VAPOR EXPOSURE IN ADULT MALE AND FEMALE RATS	Sara Westbrook, Riana Abeshima, Leisa Uelese, Matteya Proctor, Sara Burres, Zachary Fisher, Travis Brown, Kristen Delevich and Ryan McLaughlin
13:00-14:30	Lunch	
14:30-15:00	Session 3. Neuroimmune Modulation and Orga Cannabinoids and Beyond	an Protection:
14:30-14:45	LOW-DOSE ALCOHOL ENHANCES THE BENEFICIAL EFFECTS OF CANNABIDIOL IN REDUCING NEUROINFLAMMATION IN A MURINE MODEL OF MULTIPLE SCLEROSIS VIA GUT MICROBIOTA MODULATION	Rahul Pushparaj, Jingdan Pei, Xing Gao, Md Manirujjaman, Panpan Huang, Guihua Pan, Lixian Chen, Chunbao Sun, Lihua Zhang and Wenke Feng
14:45-15:00	GDE1-ASSOCIATED SPONGIFORM ENCEPHALOPATHY AND MALE INFERTILITY	Zsolt Lele, Benjámin Barti, Christina Miskolczi, Zsófia László, Eszter Horváth, Dániel Nagy, Sámuel Szabó, Susanne Prokop, Miklós Zöldi, László Barna, Máté Kisfali, Anikó Reichart, László Biró, Zoltán Varga, Bíborka Bruzsik, Huba Szebik, Máté Tóth, Mária Baranyi, Flóra Gölöncsér, Levente Zsichla, Kata Nagy, Csaba Cserép, Imre Kacskovics, Benjamin Cravatt, Ádám Dénes, Viktor Müller, Beáta Sperlágh, Éva Mikics and István Katona
15:00-15:30	ICRS Mid-career Awardee FROM MOLECULES TO NETWORKS: ADVANCING CANNABINOID-BASED STRATEGIES FOR COMPLEX DISEASE MODULATION	Alessia Ligresti

15:30-16:15	Data blitz 1	
	INACTIVATION OF MONOACYLGLYCEROL LIPASE IN ASTROCYTES ATTENUATES SEIZURE SEVERITY AND POST-SEIZURE INJURY	Chudai Zeng, Fei Gao, Jian Zhang, Mingzhe Pan and Chu Chen
	SENSORY PROCESSING DYNAMICALLY MODULATES ENDOCANNABINOID LEVELS IN THE PRIMARY SOMATOSENSORY CORTEX	Jui-Yen Huang and Hui-Chen Lu
	CHRONIC MICRODOSING OF LSD IN MICE CAUSES INCREASES IN ENDOGENOUS LIPID SIGNALING MOLECULES IN THE CORTEX WITH LITTLE EFFECT IN THE PLASMA AND HIPPOCAMPUS 24 HOURS AFTER FINAL TREATMENT	Noah Brauer, Ashley Xu, Wenwen Du, Taylor Woodward and Heather Bradshaw
	SEX-SPECIFIC EFFECTS OF PRENATAL THC AND EARLY LIFE STRESS ON ANXIETY AND DEPRESSIVE-LIKE BEHAVIOUR: THE IMPACT ON ELECTROPHYSIOLOGICAL PROPERTIES IN THE VENTRAL TEGMENTAL AREA AND BASOLATERAL AMYGDALA	Enzo Perez-Valenzuela, Taygun Uzuneser, Marieka DeVuono, Daniel Hardy, Walter Rushlow and Steven Laviolette
	CB1R MEDIATED REGULATION OF CHRONIC ETHANOL-INDUCED NEUROIMMUNE GENE EXPRESSION IN HIPPOCAMPUS AND PREFRONTAL CORTEX OF ADULT RAT BRAIN	Somnath Mukhopadhyay, Dal Khatri and Genevieve Laroche
	TEMPORAL AND SPATIAL CHARACTERIZATION OF THE VACUOLIZATION PHENOTYPE OF MICE LACKING GDE1	Eszter Horvath, Daniel Nagy, Zsofia Laszlo, Susanne Prokop, Balazs Pinter, Kata Nagy, Imre Kacskovics, Benjamin Cravatt, Zsolt Lele and Istvan Katona
	DAILY CANNABIS USE LINKED TO DAILY ANXIETY REDUCTIONS IN INDIVIDUALS USING CANNABIS FOR ANXIETY COPING	Luiza Rosa, Jonathon K. Lisano, Carillon J. Skrzynski, Angela D. Bryan and L. Cinnamon Bidwell
16:15-18:15	Poster Sessior *Odd numbered posters will be presented in the first and even numbered posters will be presented in the	hour (16:15) of the poster session
18:15	Dinner	

Day 2, July 8		
8:25 - 8:30	Opening remarks	
8:30-10:00	Session 4. Advances in Cannabinoid Receptor Endocannabinoid Pathway Modulat	
8:30-8:45	CELLULAR AND BEHAVIORAL INVESTIGATION OF ZCZ011 ENANTIOMERS	Mohammed Mustafa, Giulia Donvito, Zhixing Wu, Sri Sujana Immadi, Rachel Dopart, Kristen Trexler, Steven Kinsey, Debra Kendall, Dai Lu and Aron Lichtman
8:45-9:00	UNCOVERING THE ROLE OF DAGLα IN ACETAMINOPHEN'S ACTION MECHANISM: A NEW PERSPECTIVE ON ENDOCANNABINOID INTERACTIONS	Michaela Dvorakova, Taryn Bosquez-Berger, Jenna Billingsley, Natalia Murataeva, Wenwen Du, Taylor Woodward, Emma Leishman, Anaëlle Zimmowitch, Anne Gibson, Jim Wager-Miller, Ruyi Cai, Shangxuan Cai, Yulong Li, Heather Bradshaw, Ken Mackie and Alex Straiker
9:00-9:15	AN ENDOCANNABINOID SENSOR-BASED ASSAY OF NAPE-PLD ACTIVITY	Jim Wager-Miller, Connor Schmitt, Ru-Yi Cai, Shangxuan Cai, Yulong Li, Ken Mackie and Alex Straiker
9:15-9:30	DEUTERIUM-LABELED ENDOCANNABINOIDS ARE ABUNDANTLY PRESENT IN CENTRAL NERVOUS SYSTEM TISSUE MINUTES AFTER PERIPHERAL INJECTION	Heather Bradshaw
9:30-9:45	WATCHING THE CLOCK: CANNABINOID REGULATION OF CIRCADIAN TEARING	Natalia Murataeva, Sam Mattox and Alex Straiker

9:45-10:00	DEUTERIUM-LABELED PALMITOYLETHANOLAMIDE (D5-PEA) SHOWS RELIABLE BRAIN PENETRANCE IN A DOSE DEPENDENT MANNER AND EXOGENOUS PEA SHOWS CHANGES IN CNS CONNECTIVITY AND LIPIDOME	Taylor Woodward, Wenwen Du, Shreyas Balaji, Praveen Kulkarni, Craig Ferris and Heather Bradshaw
10:00-10:30	Coffee break	
10:30-11:30	ICRS Lifetime Achievement Awardee ENDOCANNABINOIDS AND THEIR INTERACTION WITH BIOACTIVE LIPIDS: THE NEXT FRONTIER	Mauro Maccarrone
11:30-12:45	Session 5. Organ-Specific Cannabinoid Modula Gut)	ation (Liver, Kidney,
11:30-11:45	HEPATIC CB1 RECEPTOR SIGNALING TRIGGERS Gi⁄₀α-MEDIATED LIPOLYSIS IN LEAN MICE BUT G₅α-MEDIATED LIPOGENESIS IN OBESE MICE	Jie Liu, Grzegorz Godlewski, Radka Kocvarova, Muhammad Arif, Abhishek Bisu, Malliga R. Iyer, Resat Cinar, Joseph Tam and George Kunos
11:45-12:00	PHYTOCANNABINOIDS REPROGRAM LIPID METABOLISM TO REVERSE FATTY LIVER DISEASE	Radka Kocvarova, Shahar Azar, Ifat Abramovich, Bella Agranovich, Eyal Gottlieb, Liad Hinden and Joseph Tam
12:00-12:15	ENDOCANNABINOID SYSTEM DYNAMIC CHANGES IN A POLYCYSTIC KIDNEY DISEASE MOUSE MODEL	Shridhar Betkar, Liad Hinden and Joseph Tam
12:15-12:30	ANTI-FIBROTIC AND RENOPROTECTIVE SYNERGY THROUGH CB1R/SGLT2i COMBINATION	Océane Pointeau, Abhishek Basu, Julia Leemput, Romain Barbosa, Patricia Passilly- Degrace, Laurent Demizieux, Hélène François, Bruno Vergès, Resat Cinar, Pascal Degrace and Tony Jourdan

12:30-12:45	DYNAMIC ECS/CB1R ALTERATIONS GUIDE THERAPEUTIC TARGETING IN ACUTE KIDNEY INJURY AND ITS MALADAPTIVE REPAIR	Ariel Rothner, Liad Hinden, Aviram Kogot-Levin, Elisheva Benkovitz, Amani Zoabi, Anna Permyakova, Asaf Kleiner, Vladislav Nesterenko, Alina Nemirovski, Ifat Abramovich, Bella Agranovich, Inbar Plaschkes, Eyal Gottlieb, Katherine Margulis, Gil Leibowitz and Joseph Tam
12:45-14:00	Lunch	
14:00-14:30	ICRS Lifetime Achievement Awardee TWO DECADES OF RESEARCH EXAMINING THE OCULAR ENDOCANNABINOID SYSTEM AS A TARGET FOR OCULAR THERAPEUTICS	Melanie Kelly
14:30-15:00	Session 6. Psychedelics and Broader Neuroph	armacology
14:30-15:00 14:30-14:45		Reagan Walhof, Wenwen Du, Taylor Woodward, Praveen Kulkarni, Craig Ferris and Heather Bradshaw

15:00-15:45	Data blitz 2	
	THE FATTY ACID BINDING PROTEIN 5 INHIBITOR ART26.12 ALLEVIATES OSTEOARTHRITIS PAIN	Kai Bou, Adam Bruzzese, Chris Gordon, Kaitlin Farrell, Saoirse O'Sullivan, David Komatsu and Martin Kaczocha
	ASSESSMENT OF ANTINOCICEPTION AND TOLERANCE TO INHIBITORS OF FATTY ACID AMIDE HYDROLASE AND MONOGLYCERIDE LIPASE IN A MURINE MODEL OF CHEMOTHERAPY-INDUCED PERIPHERAL NEUROPATHY	America Alanis, Robert Barnes, Mikaela Aleman, Henry Blanton, Boyd Rorabaugh, Daniel Morgan and Josee Guindon
	TARGETING ENDOCANNABINOID SYSTEM DEFICITS AS A THERAPEUTIC STRATEGY FOR GULF WAR ILLNESS IN A MOUSE MODEL	Kwang-Mook Jung, Erica Squire, Hye-Lim Lee, Vipan Parihar and Daniele Piomelli
	CANNABINOID 2 RECEPTOR INCREASES EXPRESSION IN THE PERIPHERY AND BRAIN OF AGED MICE	Ann Titus, Kaylin Falkner, Danielle Robins, Cassandra Cole, Janna Jernigan and Valerie Joers
	INVESTIGATING THE ANALGESIC, ABUSE- RELATED, AND THC SPARING EFFECTS OF MYRCENE, A CANNABIS-BASED TERPENE, IN A WITHIN-SUBJECTS PLACEBO- CONTROLLED STUDY	Samantha L. Baglot, Stephanie Lake, Conor H. Murray, Elisa Pabon, Alisha Eversole, Katherine Hampilos, Timothy Fong and Ziva D. Cooper
	UK MEDICAL CANNABIS REGISTRY: AN UPDATED CLINICAL OUTCOMES ANALYSIS ACROSS ALL CONDITIONS	Simon Erridge, Evonne Clarke, Katy McLachlan, Ross Coomber, Sushil Beri, Shaheen Khan, Mark Weatherall, Michael Platt, James Rucker and Mikael Sodergren
	IMPACT OF CANNABIS EXPOSURE ON GUT BARRIER FUNCTION IN METABOLIC HEALTH AND DISEASE	Martin Olmos and Nicholas DiPatrizio
15:45-17:45	Poster Session 2 *Odd numbered posters will be presented during the first hour (16:00) of the poster session and even numbered posters will be presented in the second half (17:00) of the poster session	
17:45-18:15	Business meeting	
18:15	Dinner	

Day 3, July 9		
8:25-8:30	Opening remarks	
8:30-10:30	Session 7. Cannabis in Healthy Populations: E Metabolic, and Cardiovascular Syst	
8:30-8:45	MAPPING ACUTE EFFECTS OF CANNABIS ON MULTIPLE MEMORY DOMAINS: A DOUBLE-BLIND, PLACEBO-CONTROLLED STUDY	Carrie Cuttler and Ryan McLaughlin
8:45-9:00	INVESTIGATING 'THE MUNCHIES' IN RODENTS AND HUMANS; EFFECTS OF Δ-9- THC VAPOUR INHALATION ON FEEDING PATTERNS, MACRONUTRIENT PREFERENCE, SATIETY AND REWARD VALUE	Catherine Hume, Carrie Cuttler, Samantha Baglot, Lucia Javorcikova, Ryan McLaughlin and Matthew Hill
9:00-9:15	THE EFFECT OF VAPORIZED & ORAL Δ8- TETRAHYDROCANNABINOL VS Δ9- TETRAHYDROCANNABINOL ON SIMULATED DRIVING PERFORMANCE IN HEALTHY ADULTS	Lakshmi Kumar, Austin Zamarripa, Tory Spindle, Edward Cone, Ruth Winecker, Ronald Flegel and Ryan Vandrey
9:15-9:30	CANNABIS AND ARTERIAL STIFFNESS: DIFFERENCES BY ROUTE OF CONSUMPTION AMONG HEALTHY YOUNG ADULTS IN THE HERBAL HEART STUDY	Amrit Baral, Ranya Marrakchi El Fellah, Bria-Necole Diggs, Sarah Messiah, Girardin Jean-Louis, Marvin Reid, Marilyn Lawrence-Wright, Lisa Reidy, Barry Hurwitz, Claudia Martinez and Denise Vidot
9:30-9:45	CANNABIS AND VASCULAR FUNCTION: ENDOTHELIAL DYSFUNCTION AND ARTERIAL STIFFNESS AMONG YOUNG ADULTS IN THE HERBAL HEART STUDY	Denise C. Vidot, Amrit Baral, Kylee Krivijanski, Bria-Necole A Diggs, Sarah E. Messiah, Girardin Jean-Louis, Marvin Reid, Marilyn Lawrence- Wright, Lisa Reidy,Barry Hurwitz, Claudia Martinez

9:45-10:00	COMPREHENSIVE POPULATION PHARMACOKINETIC ANALYSIS OF TETRAHYDROCANNABINOL AND ITS ACTIVE METABOLITE ACROSS INTRAVENOUS, ORAL, VAPED, AND SMOKED ROUTES	Babajide Shenkoya, Michael Tagen, Linda Klumpers, Ryan Vandrey and Mathangi Gopalakrishnan
10:00-10:15	THE IMPACT OF PRODUCT FORMULATION ON THE PHARMCOKINETICS AND PHARMACODYNAMICS OF CANNABIS EDIBLES	Lakshmi Kumar, Austin Zamarripa, Elise Weerts, David Wolinsky, Jost Klawitter, Uwe Christians, Ryan Vandrey and Tory Spindle
10:15-10:30	IMPACT OF ACUTE Δ9- TETRAHYDROCANNABINOL (THC) ON PHARMACOKINETICS, SUBJECTIVE EFFECTS AND COGNITIVE FUNCTION IN HEALTHY VOLUNTEERS	Nadia Leen, Henrika van Hell, Gerry Jager, Nick Ramsey and Matthijs Bossong
10:30-11:00	Coffee break	
11:00-11:30	R3CR Program	Mahmoud ElSohly
11:30-12:30	Session 8. Metabolic Determinants of Organ D	ysfunction
11:30-12:30 11:30-11:45		ysfunction Lucas Laudermilk, George Amato, Vineetha Vasukuttan, Andrew Harris, Sheryl Moy, Elaine Gay and Rangan Maitra
	Metabolic Determinants of Organ D PARTIAL INVERSE AGONISM OF CB1 AS A	Lucas Laudermilk, George Amato, Vineetha Vasukuttan, Andrew Harris, Sheryl Moy, Elaine Gay and Rangan

12:15-12:30	CNS-SPARING CANNABINOID THERAPEUTICS: A DUAL CB1R/INOS BLOCKADE APPROACH TO TREAT METABOLIC SYNDROME DISORDERS	Pinaki Bhattacharjee, Szabolcs Dvorácskó, Paul Volesky, Nick Rutland, Luca Maccioni, Sergio A. Hassan, Resat Cinar and Malliga R. Iyer
12:30-13:30	Kang Tsou Memorial Lecture MEDICINAL EVOLUTION OF NATURAL HORMONES TO TRANSFORM DRUG TREATMENT OF OBESITY	Richard Di Marchi
13:30-15:00	Lunch	
15:00	Free time	

Day 4, July 10		
8:25-8:30	Opening remarks	
8:30-9:30	Presidential Plenary Lecture 2: 1992-2025: FROM ENDOCANNABINOID- MEDIATED INTER-CELLULAR SIGNALING TO ENDOCANNABINOIDOME-MEDIATED INTER-KINGDOM CHEMICAL COMMUNICATION	Vincenzo Di Marzo
9:30-11:00	Session 9. Medical Cannabis in Clinical Practic and Indications	ce: Emerging Evidence
9:30-9:45	ASSOCIATIONS BETWEEN CANNABIS USE FREQUENCY, CIRCULATING CANNABINOID AND ENDOCANNABINOID LEVELS, AND PAIN SENSITIVITY	Elisa Pabon, Adren Tran, Alexa Torrens, Anna Hilger, Conor H. Murray, Stephanie Lake, Timothy Fong, Daniele Piomelli and Ziva D. Cooper
9:45-10:00	ENDOCANNABINOID SYSTEM ALTERATIONS IN PATIENTS WITH CHRONIC LOW BACK PAIN	Mary Hopkins, Stephanie Bourke, Caroline Mitchell, Mairead Finn, David O'Gorman, Chris Maharaj, David Cosgrave, Brian McGuire and David Finn
10:00-10:15	A RANDOMIZED PHASE II TRIAL OF MEDICAL CANNABIS TO REDUCE SYMPTOM BURDEN IN PATIENTS WITH ADVANCED PANCREATIC CANCER	Dylan Zylla, Elle Chrenka, Grace Gilmore, Jordan Cowger, David Rak and Arjun Gupta
10:15-10:30	UK MEDICAL CANNABIS REGISTRY: A CLINICAL OUTCOMES ANALYSIS OF MEDICAL CANNABIS FOR FIBROMYALGIA	Madhur Varadpande, Simon Erridge, Arushika Aggarwal, Evonne Clarke, Katy McLachlan, Ross Coomber, Shelly Barnes, Alia Darweish Medniuk, Rahul Guru, Wendy Holden, Mohammed Sajad, Robert Searle, Azfer Usmani, Sanjay Varma, James Rucker, Michael Platt and Mikael Sodergren

10:30-10:45	CANNABIS WITHDRAWAL SYNDROME AT ILLNESS ONSET IN FIRST-EPISODE PSYCHOSIS AND THE RISK OF SUBSEQUENT RELAPSE: A NESTED CASE- CONTROL STUDY	Edward Chesney, Dominic Oliver, Samuel Atkinson, Yasamine Farahani- Englefield, Fraser Scott, Amelia Jewell, Thomas J Reilly, Diego Quattrone, Robin Murray, Marta Di Forti, Daniel Stahl, Philip McGuire and Edoardo Spinazzola	
10:45-11:00	PREDICTIVE ROLE OF INCREASED BLOOD ANANDAMIDE AT HOSPITAL ADMISSION IN ACUTE COVID PNEUMONIA RELATED RESPIRATORY FAILURE ON THE POST- COVID LUNG FIBROSIS	Abhishek Basu, Lenny Pommerolle, Muhammad Arif, Angelo Meliton, Inemesit Udofia, David Wu, Gökhan Mutlu, Bernadette Gochuico, Ross Summer, Ayodeji Adegunsoye, Ellen Burnham and Resat Cinar	
11:00-11:30	Coffee break		
11:30-13:00	Session 10. Sex-Specific Cannabinoid Effects on Neurobiology, Behavior, and Inflammation		
	Behavior, and Inflammation	in itea obiology,	
11:30-11:45		Marieka DeVuono, Samantha Anderson, Amanda Alcaide, Mathusha Pusparajah, Jaun- Pablo Galindo Lazo, Mohammed Sarikahya, Hanna Szkudlarek, Marta De Felice, Ken Yeung, Walter Rushlow and Steven Laviolette	
	Behavior, and Inflammation MODELING ADOLESCENT EDIBLE THC CONSUMPTION TO EXPLORE THE INFLUENCE OF SEX AND DOSE ON LONG- TERM NEURODEVELOPMENTAL	Marieka DeVuono, Samantha Anderson, Amanda Alcaide, Mathusha Pusparajah, Jaun- Pablo Galindo Lazo, Mohammed Sarikahya, Hanna Szkudlarek, Marta De Felice, Ken Yeung, Walter Rushlow and Steven	

12:15-12:30	SEX DIFFERENCES IN STRESS RESPONDING IN A CLINICAL TRIAL OF PROGESTERONE IN CANNABIS USE DISORDER	Erin Martin, Nathaniel Baker, Brian Neelon, Zoe Watson, Michael Saladin, Rachel Tomko, Brian Sherman, Kevin Gray and Aimee McRae-Clark
12:30-12:45	CANNABINOID REGULATION OF MURINE VAGINAL SECRETION	Natalia Murataeva, Sam Mattox, Kyle Yust and Alex Straiker
12:45-13:00	Δ9-TETRAHYDROCANNABINOL AND ITS EFFECTS IN A NEUROHIV MOUSE MODEL	Havilah Ravula, Barkha Yadav-Samudrala, Laith Sawaqed, Sarah Arteaga, Essie Acquah and Sylvia Fitting
13:00-14:30	Lunch	
14:30-15:30	Mechoulam Awardee A NEW MECHANISM OF CANNABINOID TOLERANCE	Manuel Guzman
15:30-17:15	Session 11. Phytocannabinoids: Pharmacology and Behavioral Effects	, Therapeutic Potential,
15:30-15:45	DEVELOPMENT OF A RAPID LC-MS/MS QUANTIFICATION METHOD IN MICE TO STUDY THE PHARMACOKINETICS AND ANXIOLYTIC EFFECTS OF CANNABIGEROL	Alex Mabou Tagne, Faizy Ahmed, Adren Tran, Lana Debbaneh and Daniele Piomelli

16:00-16:15	EVALUATING THE THERAPEUTIC POTENTIAL OF CBD-CORTICOSTEROID COMBINATION THERAPY ON OSTEOARTHRITIS-RELATED CELL LINES IN VITRO	Tim Lefever, Natalia Malek, Julia Jarco and Hunter Land
16:15-16:30	Body Break	
16:30-16:45	EXPLORING THE PHARMACOKINETICS OF PHYTOCANNABINOIDS AND THEIR METABOLITES: AN ASSESSMENT OF ACUTE ORAL CANNABIGEROL (CBG) AND CANNABICHROMENE (CBC)	Ee Tsin Wong, Antasha Zainal, Eric Salazar, Jenny Ho, Blaine Phillips, Wenhao Xia, David Bovard, Elizabeth Cairns and Julia Hoeng
16:45-17:00	EFFECTS OF CANNABIDIOL (CBD) ON SPONTANEOUS OPIOID WITHDRAWAL IN MALE AND FEMALE RATS	Bryan Jenkins, Cerina Pang, Travis Wilberger, Robbie Kuang, Won Park, Allie Hausker, Tylaah George, Tom Wang, Elise Weerts and Catherine Moore
17:00-17:15	Δ9-TETRAHYDROCANNABINOL EFFECTS ON PHYSIOLOGY AND BEHAVIOR ARE ALTERED IN MICE LACKING REGULATOR OF G PROTEIN SIGNALING 12	Antonio Reck, David Siderovski and Steven Kinsey
17:15-17:45	ICRS Early Career Awardee	Thomas Gamage
19:00	Banquet	

Poster Session 1 - Jul	y 7, 2025	
MORPHINE-INDUCED ALLODYNIA IS ATTENUATED BY MAGL INHIBITION OR CB1 POSITIVE ALLOSTERIC MODULATION	Maria Jaakson, Antonio Matt Reck, Carl Rodriguez and Steven Kinsey	P1-1
ASSESSMENT OF ACEA ANTINOCICEPTIVE SEX DIFFERENCES AND TOLERANCE DEVELOPMENT IN MURINE MODELS OF INFLAMMATORY AND NEUROPATHIC PAIN	Robert Barnes, Dakota Robison, America Alanis, Mikaela Aleman, Satish Banjara and Josee Guindon	P1-2
NOVEL CANNABICHROMENE DERIVATIVE LACKING ABUSE LIABILITY EFFECTIVELY REDUCES PAIN IN MICE	Miguel De Leon, Rebecca Ozborn, Hannah Harris, Iram Shahzadi, Waseem Gul, Mahmoud ElSohly and Nicole Ashpole	P1-3
ALLOSTERIC LIGANDS TARGETING THE CB1 CANNABINOID RECEPTOR SUPPRESS INFLAMMATORY PAIN WITHOUT PRODUCING RESPIRATORY DEPRESSION OR MOTOR IMPAIRMENT	Ifeoluwa Solomon, Ganesh Thakur, Sumanta Garai and Andrea Hohmann	P1-4
ANTINOCICEPTIVE EFFECTS OF FAAH OR MGL INHIBITION IN A PRECLINICAL MODEL OF LOW BACK PAIN	Mary Hopkins, Maria Redmond, Catherine Healy and David Finn	P1-5
LOW-DOSE CP55,940 CHANGES BODY COORDINATION PATTERNS DURING TREADMILL RUNNING IN MARKER-BASED 3D MOTION CAPTURE OF MICE	Bogna Ignatowska-Jankowska, Lakshmipriya Swaminathan, Tara Turkki and Marylka Yoe Uusisaari	P1-6
THE ENDOCANNABINOID SYSTEM IN NEURAL STEM CELLS AS A BRIDGE AMONG ADULT HIPPOCAMPAL NEUROGENESIS, STRESS RESILIENCE AND ENVIRONMENTAL CHALLEGES	Mauro Maccarrone, Lucia Scipioni, Daniel Tortolani, Francesca Ciaramellano and Sergio Oddi	P1-7

DEVELOPMENT OF A SUITABLE MOUSE MODEL TO STUDY STRESS RESPONSE MECHANISMS ASSOCIATED TO CB1 RECEPTOR	Annamaria Tisi, Camilla Di Meo, Giacomo Cimino, Cristina Urbano, Sergio Oddi and Mauro Maccarrone	P1-8
ART12.11, A NOVEL CANNABIDIOL:TETRAMETHYLPYRAZINE COCRYSTAL, ALLEVIATES STRESS- INDUCED DEPRESSIVE SYMPTOMS	Matthew Jones, Enzo Perez- Valenzuela, Walter Rushlow and Steven Laviolette	P1-9
ROLE OF 2-AG/CB1 RECEPTOR SIGNALING IN STRESS POTENTIATED RELAPSE TO COCAINE SEEKING IN RATS	Lauren Laskowski, Xiaojie Liu, Mary Estes, Daniela Oliveira, Qing- song Liu, Cece Hillard and John Mantsch	P1-10
SYNTHETIC CANNABINOID WIN-55 INCREASES MITOCHONDRIAL OXYGEN CONSUMPTION IN HEALTHY OPTIC NERVE HEAD ASTROCYTES WHILE DECREASING LACTATE RELEASE IN STRESSED ASTROCYTES	Olivia Young and Denise Inman	P1-11
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