

ANTICIPATED RESULTS: Literature describes common CS program typology as a continuum, from research done “with the people” to research conducted “by the people” (King et al, 2016). Our program will equip CS to engage across these conceptual continuums. We plan to launch the UIC CCTS CS Program by Fall 2025 and have 10 online modules with a disability justice lens. Topics will range from Critical Thinking and the Research Process to Structural Violence and Evaluation Frameworks. Grounded in liberatory pedagogy, sessions will be taught by UIC faculty, staff, and community partners, each containing a lecture, interactive activities, and assessments. Participants will earn a certificate applicable to related jobs (e.g., academic/community research), supplement community health worker training, precursor to health degrees, and more. **DISCUSSION/SIGNIFICANCE OF IMPACT:** Through the CS Program, we aim to center community expertise and lived experience within research, foster bi-directional collaborations and relationships, and build community capacity. We are evaluating this project adaptation and implementation to create a blueprint for institutions to enhance their community-engaged research.

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Innovating Medical Education: A translational approach to integrating cannabinoid-based therapies for chronic pain management

D Puente Proaño¹, Joseph Ferenbok², Edyta Marcon³, Noufissa Kabli⁴, Hance Clarke⁵, Nicole Woods⁶ and Ruth Ross⁷

¹University of Toronto; ²Program Director, Translational Research Program – Department of Laboratory Medicine and Pathobiology, University of Toronto, ON, Canada; ³Professor, Translational Research Program – Department of Laboratory Medicine and Pathobiology, University of Toronto, ON, Canada; ⁴Associate Director, Toronto Cannabis and Cannabinoids Research Consortium (TC3) - University of Toronto, ON, Canada; ⁵Director, Pain Services Toronto General Hospital, Department of Anesthesiology and Pain Medicine, University of Toronto, ON, Canada; ⁶Director, The Institute for Education Research (TIER) at UHN, Professor Department of Family and Community Medicine - University of Toronto, ON, Canada and ⁷Professor, Department of Pharmacology & Toxicology, Director Toronto Cannabis and Cannabinoids Research Consortium (TC3) - University of Toronto, ON, Canada

OBJECTIVES/GOALS: This project aims to inform and develop a clinician-centered educational tool evidence-based and stakeholder-informed that fosters healthcare professionals’ (HCPs) adaptive expertise (AE) in cannabinoid-based therapies (CBT) for chronic pain management (CPM), addressing existing knowledge gaps, improving patient care and clinical decision-making. **METHODS/STUDY POPULATION:** To achieve this, the project will use a mixed-methods approach divided into three phases to evaluate existing educational resources, identify gaps, and inform the design of a curriculum to transform clinician education in CBT for CPM. It includes stakeholder mapping to engage and consult key experts for real-world insights and an environmental scan to assess and compare current educational resources qualitatively. A

rigorous curriculum will be informed to be designed through an adaptive expertise and reflective practice framework, emphasizing case and problem-based learning, clinical simulations, and other pedagogical techniques. The educational tool will be pilot-tested with clinicians, measuring its impact on knowledge and decision-making flexibility through pre- and post-assessments, ensuring it fosters AE on CBT. **RESULTS/ANTICIPATED RESULTS:** The project is expected to identify key gaps in existing educational resources, particularly AE in HCPs specializing in CPM. Through pilot testing, we anticipate improved knowledge of CBT among clinicians and enhanced ability to apply this knowledge flexibly in clinical practice. We also expect to establish core curriculum components that better support routine and adaptive expertise in chronic pain management. The pilot evaluations will guide further curriculum refinement and inform broader educational implementation. **DISCUSSION/SIGNIFICANCE OF IMPACT:** This project addresses critical gaps in CbT education by informing the development of a curriculum that enhances clinicians’ ability to manage chronic pain with cannabinoid-based therapies. The resulting educational tool could significantly impact clinical practice, empowering patients, and HCPs to make informed decisions and improve patient outcomes.

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UCLA’s Clinical and Translational Science Institute (CTSI) and the California Institute for Regenerative Medicine (CIRM) Trainee Collaborative Efforts

Maria Parco, Noushig Karpanian, Laurie Shaker-Irwin, Tanya Lacayo, Edwin Abedi, Sujna Raval-Fernandes and Noah Federman

David Geffen School of Medicine at UCLA

OBJECTIVES/GOALS: By synergizing our efforts, we believe this to be a fruitful collaboration for UCLA Clinical and Translational Science Institute (CTSI) and California Institute for Regenerative Medicine (CIRM). With multiple levels to stem cell training, focusing on specific educational goals is integral to our pilot event. This was held on July 26th and offered an exciting and valuable day for trainees. **METHODS/STUDY POPULATION:** Leadership was comprised of leaders at the UCLA Health Alpha Clinic, Broad Stem Cell Research Center (BSCRC), Human Gene and Cell Therapy Facility (HGCTF), UCLA Campus, Clinical and Translational Research Center (CTRC), and the Santa Barbara COMPASS program. Trainees from UCLA, CSUN, and UCSB were represented. The agenda included a didactic overview of the entire translational and clinical research process from discovery in the laboratory to bedside nursing in the patient care areas. Onsite tours were conducted at the HGCTF and the CTRC with a meet and greet with the nurses. The curriculum covered the clinical research process, regulatory requirements, ethics, current clinical trials, manufacturing, quality control, and compliance. A career opportunities discussion and network sessions closed out the day. **RESULTS/ANTICIPATED RESULTS:** Of the 13 trainees who attended the session, 10 replied to the evaluation survey. All the responding students (100%) rated the event as “excellent” and found it to be “highly valuable” to their current training program. The trainees indicated that they were “very likely”