



MARIA FERNANDA ARBOLEDA, M.D.



EDUCATION

> PONTIFICIA UNIVERSIDAD JAVERIANA

June 2009

Doctor of Medicine Degree (M.D.)
Bogotá, Colombia.

> UNIVERSIDAD NACIONAL AUTÓNOMA DE MÉXICO (UNAM)

March 1st 2011 – February 28th 2014

Anesthesiology Residency.

Instituto Nacional de Ciencias Médicas y Nutrición Salvador Zubirán.
Mexico city, Mexico.

> UNIVERSIDAD NACIONAL AUTÓNOMA DE MÉXICO (UNAM)

March 1st 2014 – February 28th 2015

Clinical Fellowship in Pain Management and Palliative Care.

Instituto Nacional de Ciencias Médicas y Nutrición Salvador Zubirán.
Mexico city, Mexico.

> UNIVERSIDAD NACIONAL AUTÓNOMA DE MÉXICO (UNAM)

June - August 2014

Update in Pain Medicine Certificate. Mexican Association for the Study and Treatment of Pain (AMETD).

México city, Mexico.

> MCGILL UNIVERSITY HEALTH CENTER / MONTREAL GENERAL HOSPITAL

July 1st, 2016 - June 30th, 2017

Perioperative Spinal Medicine combined Anesthesia-Spine-Regional Anesthesia Clinical Fellowship.

Montreal, Canada.

> MCGILL UNIVERSITY HEALTH CENTER / MONTREAL GENERAL HOSPITAL

July 1st, 2017 - July 31st, 2018

Supportive Cancer Care and Medical Cannabis Post-Doctoral Research

Fellow, Department of Oncology, Division of Supportive and Palliative Care.
Montreal, Canada.



MENCIONES Y DISTINCIONES

> Academic Order of Merit: 'Ordenal Mérito Académico Javeriano'. Bogotá, Colombia, June 4, 2009.

> 1st Place in the Anesthesiology Residency "PUEM" Exam, Universidad Nacional Autónoma de México (UNAM), México. March 2013 and February 2014.

> Best of Meeting Award for ASRA's 16th Annual Pain Medicine Meeting. Abstract title: "Functional Outcome and Postoperative Analgesia Following Total Knee Arthroplasty: Randomized Double-Blind Comparison Between Continuous Adductor Canal Block and Preoperative Radiofrequency of Saphenous and Genicular Nerves". American Society of Regional Anesthesia and Pain Medicine. Orlando, FL, 2017.

CONTACT

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📄 Dr. Maria Fernanda Arboleda, MD

PERSONAL INFORMATION

Place of birth: Cali - Colombia

Passport number: PE 158746

CURRENT POSITION

Associate Research Director,
Santé Cannabis Clinic.

Montreal, Canadá.

www.santecannabis.ca

LANGUAGES

ENGLISH English: Colegio Colombo Británico, Cali, Colombia; International Baccalaureate (I.B.) Diploma; Composition Course, Reading Area Community College. Reading, Pennsylvania, USA, July 2001.

ITALIAN Italian Language Course, Levels I and II. Circolo Italiano. Cali, Colombia, June - August 2003.

FRENCH Course A1.1 and A1.2. French Institute of Latin America (IFAL). Mexico City, Mexico, March 2016- May 2016.
French Course A1.3. YMCA International Language School. Montreal, Quebec, September 2017

MARIA FERNANDA ARBOLEDA, M.D.



EXPERIENCIA LABORAL

> *Broad experience in the development of research protocols and abstracts that include clinical trials related to safety and efficacy of medical cannabis for diverse medical conditions, including chronic pain and palliative care. This work has been presented at several international medical conferences and medical cannabis meetings.*

> *Extensive expertise in safe and responsible prescription of cannabinoid-based medicines to at least 500 patients between Canada and Colombia. This has been done through a systematic approach to determine patient's eligibility for cannabinoid treatment as an adjunct to conventional therapies. Prescription of legal and safe medical cannabis products has been critical for best medical practice.*

> **CONSULTING SERVICES AND MEDICAL ADVISOR** Since December 2020
International Cannabis Companies

> **ANESTHESIA, PAIN AND PALLIATIVE CARE** Since January 2021
PRIVATE PRACTICE
Hospital Ángeles del Pedregal, Ciudad de México.

> **PAIN AND PALLIATIVE CARE SPECIALIST** May 2019
EUCALYPTUS MEDICAL
<https://eucalyptusmed.com>
Mexico city, Mexico.

> **INTERNATIONAL DIRECTOR OF** May 2018 - December 2020
MEDICAL SERVICES
khiron.ca
Khiron Life Sciences Corp, leading medical cannabis company in Latin America based in Colombia, working mainly in the development of continuing medical cannabis education programs to train health care practitioners in Latin America and Europe, clinical research development, and strategic plan and development of specialized cannabis clinics in Latin America

> **PAIN AND PALLIATIVE CARE** Since March 2015
PRIVATE PRACTICE
At 'Grupo Angeles' and at The American British Cowdray Medical Center ('Centro Médico ABC'). Mexico city, Mexico.

> **ANESTHESIOLOGY PRIVATE PRACTICE** Since March 2015
At 'Grupo Angeles' and at The American British Cowdray Medical Center ('Centro Médico ABC'). Mexico city, Mexico.

> **STAFF MEMBER OF THE PAIN CLINIC** March 2015 - May 2016
AND PALLIATIVE CARE UNIT
Instituto Nacional de Ciencias Médicas y Nutrición Salvador Zubirán. México.

> **CHIEF RESIDENT, DEPARTMENT OF** March 2014 - February 2015
PAIN MEDICINE AND PALLIATIVE CARE
International Cannabis Companies

MARIA FERNANDA ARBOLEDA, M.D.

> **CHIEF RESIDENT,** November 2012 – February 2013
DEPARTMENT OF ANESTHESIA
Instituto Nacional de Ciencias Médicas y Nutrición Salvador Zubirán. México.

> **GENERAL PHYSICIAN WORKING** September – December 2010
IN MEDICAL CONSULTATION
ESE ('Empresa Social del Estado'). Cali, Colombia



TEACHING EXPERIENCE

- > Physiology Teaching Assistant, Pontificia Universidad Javeriana. Bogotá, Colombia, January 2005 - May 2008.
- > Teaching Practices Training, Pontificia Universidad Javeriana. Bogotá, Colombia, February – May 2007.
- > Professor of the Palliative Care Course at the Faculty of Medicine- Undergraduate Program. Universidad Nacional Autónoma de México (UNAM) / Instituto Nacional de Ciencias Médicas y Nutrición Salvador Zubirán. Mexico, June 2015-May 2016.
- > Professor of the Medical Cannabis Course, Postgraduate School, Universidad Peruana Cayetano Heredia. Lima, Peru. 2019, 2020 and 2021.
- > Organizer and creator of the First Medical Cannabis Khiron Workshops, to train health care practitioners in cannabinoid prescription across Latin America. Bogotá, Colombia. March 5-6, 2020.
- > Creation and development of the five phases for safe and responsible prescription of cannabinoids. This program was developed to be presented in the platform of KhironAcademy:
 - Introduction to medical cannabis
 - Clinical evidence of cannabis use, abuse and misuse
 - Practical recommendations for safe and responsible prescription of cannabinoids
 - One-on-one workshops with the medical cannabis expert
 - Mentoring and possibility to observe a conversation with a potential medical cannabis patient.

This virtual medical cannabis education program includes high scientific content. It started in March 2020 and was offered to train at least 500 health care professionals, including physicians, nurses, pharmacists, etc. in different Latin American countries and the UK. Currently, 98% of physicians who are prescribing medical cannabis products in Peru have received this training, which provides confidence and evidence-based knowledge that is crucial to offer informed recommendations to their patients about cannabinoid treatments. This medical cannabis program could be easily reproduced in different countries and has a significant impact on medical cannabis prescriptions, always keeping in mind patients' safety.

- > Organizer and creator of the First Medical Cannabis International Course Online, to train 1500 Health Care Practitioners in Latin America in collaboration with the 'Tecnológico de Monterrey', Top 3 University in LATAM. June 15, 2020 - June 2021.
- > Creation, development and execution of the virtual Medical Cannabis Advanced Course that was organized to train employees of the Peruvian regulatory agency 'Dirección General de Medicamentos, Insumos y Drogas' (DIGEMID). This office is part of the Peruvian Ministry of Health and is in charge of production, distribution and sales of medical cannabis products in

MARIA FERNANDA ARBOLEDA, M.D.

- ▶ Creation and development of the First International Diplomate of Medical Cannabis to train physicians in Latin America. This education program has a complete academic content. 'Tecnológico de Monterrey', Top 3 University in LATAM. February and March 2021.
- ▶ Creator and Director of the "Safe and Responsible Cannabinoid Prescription Workshop" endorsed by the Tecnológico de Monterrey's Medical School and Algia (Medical Education Center). This unique workshop is providing practical tools and high-scientific content to healthcare practitioners in Latin America. Since May 2021.
- ▶ Invited Faculty at the Chronic Pain Course, Medical School, Universidad del Nordeste de Argentina, to speak about the Initial Approach to Cannabinoid-Based Medicines: Evidence and Clinical Research. July 2021.
- ▶ Professor of the Palliative Care virtual Certificate Course talking about the Use of Cannabinoid Based Medicines in Palliative Care, Pontificia Universidad Javeriana, Cali, Colombia. November 2021.
- ▶ Professor at Universidad del Rosario, Law School, Bogotá, Colombia, in the virtual Certificate Course of Medical Cannabis, talking about Global Perspectives on the Development of Specialized Medical Cannabis Clinics. March, 2022.
- ▶ Professor at the virtual Medical Cannabis Certificate Course endorsed by CES University, Medellín, Colombia talking about the Use of Cannabinoid-Based Medicines in Palliative Care: Current Evidence. March, 2022.
- ▶ Invited Faculty to the Acute and Chronic Pain Update Course to talk about Myths versus Reality of Cannabinoid-Based Medicines: Key Aspects for Clinical Practice. Pontificia Universidad Católica de Chile. July, 2022.



OTHER STUDIES

- ▶ Leadership Course ('Liderazgo Juvenil Vallecaucano'), Universidad ICESI. Cali, Colombia, 2002
- ▶ University Leadership Camp "ECO - Experiencia Colombia", Pontificia Universidad Javeriana. Villa de Leyva, Boyacá, Colombia, November 2004.
- ▶ Leadership Training Certification, Faculty of Economic and Business Sciences, Pontificia Universidad Javeriana. Bogotá, Colombia, 2005.
- ▶ Addenbrooke's Hospital, Emergency Medicine Observership, University of Cambridge. Cambridge, England, UK, March - April 2009.
- ▶ Blue Code Protocol Course (International Techniques in Cardiopulmonary Reanimation), "Emergencias en Salud y Desastres" - Emersad. Cali, Colombia, February 2010.
- ▶ American Heart Association: BLS (Basic Life Support) - ACLS (Advance Cardiac Life Support) Certificación Internacional. Instituto Nacional de Ciencias Médicas y Nutrición Salvador Zubirán (CEDDEM). Ciudad de México, 2014.
- ▶ Observership in the Department of Anesthesia and McGill Pain Center (Dr. Juan-Francisco Asenjo), Montreal General Hospital - McGill University Health Centre. Montreal, Canada, June 2013 .



RESEARCH PROJECTS, ABSTRACTS AND PUBLICATIONS

- Graduation Thesis Anesthesia Residency. Universidad Nacional Autónoma de México, Mexico. July 2013.
Title: "Estudio prospectivo aleatorizado y comparativo del uso de máscara laríngea I-Gel® versus máscara laríngea Proseal® en pacientes programados para cirugía laparoscópica: Resultados preliminares"
This randomized controlled trial was also accepted for presentation at the XLVII Mexican Meeting of Anesthesia.
- Case Report: "Paraplejia transitoria y neumoencéfalo ocasionados por aire en el espacio peridural en un paciente con hernia discal". 2012
- Retrospective Study: "Incidencia y factores de riesgo asociados a dolor crónico postoperatorio". 2014
- Review Article published: Inhibidores COX-2 en Medicina del Deporte. Revista MedLife, Edición 2, May 2014.
- Thesis for the Update in Pain Medicine Certificate. Mexican Association for the Study and Treatment of Pain (AMETD) and Universidad Nacional Autónoma de México (UNAM). August 2014. Title: "Neuralgia postherpética".
- Graduation Thesis Pain and Palliative Care Fellowship. Universidad Nacional Autónoma de México. Mexico, February 2015.
Title: "Impacto de la catastrofización en la respuesta analgésica del paciente hospitalizado, tras la intervención de una clínica de dolor multidisciplinaria".
- Review Article published: Síndromes de cáncer hereditario. Revista Algos, Dolor y tratamiento. 2015; 2
- Review Article published: "Manejo perioperatorio del paciente con uso crónico de opioides". Revista Mexicana de Anestesiología. Abril-Junio 2015; 38 (1): S175-S176.
- Asenjo JF, **Arboleda MF**, Michlagnoli G, Yousefshahi F, Pineda J, Correa JA, Lenczner E, Marien R, Carli F. Functional outcome and postoperative analgesia following total knee arthroplasty: **A prospective, randomized, double-blind comparison between continuous adductor canal block and preoperative radiofrequency of saphenous and genicular nerves of the knee.** In press article. 2018. Abstract presented at the ASRA's 16th Annual Pain Medicine Meeting which obtained the Best of Meeting Award.
- Development of various medical cannabis research projects that were part of the Postdoctoral Research Fellow with Santé Cannabis team (Antonio Vigano MD, MSc and Erin Prosk MSc) - sponsored by Tetra Bio-Pharma Inc.
- Co-investigator of Phase 3 clinical trial titled 'Safety and Efficacy of Smoked Cannabis for Improving Quality of Life in Advanced Cancer Patients'.
<https://clinicaltrials.gov/ct2/show/NCT03339622?>
- Co-investigator of Phase 2 clinical trial titled 'Safety and Efficacy of Medical Cannabis Oil in the Treatment of Patients With Chronic Pain'.
<https://clinicaltrials.gov/ct2/show/NCT03337503>
- **Maria Fernanda Arboleda**, MD; Vi Dam, RN, MSc; Youri Drozd; Erin Prosk, MSc; Popi Kasvis, MSc, RD; Michael Dworkind, MD; Robert Kilgour, PhD; Antonio Vigano, MD, MSc. **Effect of medical cannabis on appetite and weight: A retrospective analysis.** Journal of Cachexia, Sarcopenia and Muscle 2018; 9:183-212

MARIA FERNANDA ARBOLEDA, M.D.

> **Arboleda MF**, Prosk E, Dam V, Dworkind M, Vigano A. **Safety and efficacy of medical cannabis in cancer pain: a retrospective analysis.** Canadian Journal of Pain. 2018; DOI:10.1080/24740527.2018.1453698

> **Arboleda MF**, Prosk E, Dam V, Dworkind M, Elisma D, Vigano A. **Medical cannabis in chronic pain: From evidence (lack of?) to clinical practice.** Canadian Journal of Pain. 2018; DOI:10.1080/24740527.2018.1456854

> **Maria Fernanda Arboleda**, Saro Aprikian, Gligorka Raskovic, Rosa Christodouloupoulos, Doneal Thomas, Virginie Bacis, Nathalie Aubin, Antonio Vigano. **Integrating Medical Cannabis Within Supportive Cancer Care: A University Hospital-Based Model.** Abstract accepted for poster presentation at the International Annual Congress on Controversies on Cannabis-Based Medicines. Vienna, Austria. June 25th -26th 2018.

> Erin Prosk, **Maria Fernanda Arboleda**, Michael Dworkind, Antonio Vigano. **The Case for Community-Based Specialized Medical Cannabis Clinics.** Abstract accepted for poster presentation at the International Annual Congress on Controversies on Cannabis-Based Medicines. Vienna, Austria. June 25th -26th 2018.

> **Arboleda MF**, Dam V, Prosk E, Dworkind M, Vigano A. **Transforming symptom management in cancer patients: is medical cannabis a new paradigm?** Abstract accepted for Oral Presentation at the Multinational Association of Supportive Care in Cancer / International Society of Oral Oncology (MASCC/ISOO) Annual Meeting. Vienna, Austria. June 28th -30th 2018.

> **Arboleda MF**, Prosk E, Chamberland G, Vigano A. **The truth is in titration: improving safety outcomes of the world's first inhaled cannabis prescription drug.** Abstract accepted for Oral Presentation at the International Cannabinoid Research Society (ICRS) meeting. Leiden, Netherlands. July 1st-4th 2018.

> Erin Prosk, **Maria Fernanda Arboleda**, Michael Dworkind, Antonio Vigano. **Safety Analyses of Medical Cannabis Products in the Canadian Access to Cannabis for Medical Purposes Regulations.** Abstract accepted for poster presentation at the International Cannabinoid Research Society (ICRS) meeting. Leiden, Netherlands. July 1st-4th 2018.

> Cyr C, **Arboleda MF**, Aggarwal SK, Balneaves LG, Daeninck P, Néron A, Prosk E, Vigano A. **Cannabis in palliative care: current challenges and practical recommendations.** Annals of Palliative Medicine; 7(4):463-477; 2018.

> **Arboleda MF**, Dam V, Prosk E, Dworkind M, Vigano A. **Cannabis-Based Medications: the future co-analgesics of choice for cancer patients?** Abstract accepted for Oral Presentation at the International Congress on Palliative Care. Montreal, Quebec. October 2nd – 5th 2018

> Prosk E, Dworkind M, Raskovic G, **Arboleda MF**, Vigano A. **Incorporating medical cannabis in supportive and palliative care: a Canadian model.** Abstract accepted for Oral Presentation at the International Congress on Palliative Care. Montreal, Quebec. October 2nd – 5th 2018.

> **Arboleda MF**, Prosk E, Chamberland G, Vigano A. **Medical cannabisoil: Results from the first-in-human phase 1, double-blind, randomized, placebo-controlled study.** Abstract accepted for Oral Presentation at the 3rd International Medical Cannabis Conference, CannX. Tel-Aviv, Israel. October 14th-16th 2018.

> Prosk E, **Arboleda MF**, Dworkind M, Vigano A. **Utilization of medical cannabis observational data to design randomized clinical trials: The Santé Cannabis model.** Abstract accepted for Oral Presentation at the 3rd International Medical Cannabis Conference, CannX. Tel-Aviv, Israel. October 14th-16th 2018.

MARIA FERNANDA ARBOLEDA, M.D.

- Prosk E, **Arboleda MF**, Chamberland G, Vigano A. **Modernizing an ancient plant medicine: Pursuing the world's first prescription drug approval of an inhaled cannabis product**. Abstract accepted for Oral Presentation at the CannMed2018 Meeting. UCLA Luskin Conference Center. Los Angeles, California, USA. October 22nd-24th 2018.
- **Maria Fernanda Arboleda**, Laura Girón-Arango, Philip W.H. Peng. **Can recent chronic pain techniques help with acute perioperative pain?** *Curr Opin Anesthesiol* 2019, 32:661–667; DOI:10.1097/ACO.0000000000000772
- **Arboleda MF**, Prosk E, Cyr C, Gamaoun R, Vigano A. **Medical Cannabis in Supportive Cancer Care: Lessons from Canada**. *Supportive Care in Cancer* 2020; <https://doi.org/10.1007/s00520-020-05403-2>
- **Maria F. Arboleda**, Erin Prosk, Alain Watier, Max J. Schmulson. **Cannabinoids in disorders of gut-brain interaction and gastrointestinal motility**. *NeuroGastroLatam Rev.* 2020; 4(3): 171-186
- Erin Prosk, **Maria Fernanda Arboleda**, Lucile Rapin, Cynthia El Hage, Michael Dworkind. **The model of care at a leading medical cannabis clinic in Canada**. *Complementary Therapies in Medicine* 60 (2021) 102740
- Lucile Rapin, Rihab Gamaoun, Cynthia El Hage, **Maria Fernanda Arboleda** and Erin Prosk. **Cannabidiol use and effectiveness: real-world evidence from a Canadian medical cannabis clinic**. *Journal of Cannabis Research* 2021; 3:19
- **Arboleda M.F.**, Prosk E. (2021) **Cannabis Terminology**. In: Narouze S.N. (eds) *Cannabinoids and Pain*. Springer, Cham. https://doi.org/10.1007/978-3-030-69186-8_5
- **Arboleda M.F.**, Prosk E. (2021) **The Model of a Medical Cannabis Clinic**. In: Narouze S.N. (eds) *Cannabinoids and Pain*. Springer, Cham. https://doi.org/10.1007/978-3-030-69186-8_19
- **Arboleda M.F.**, Prosk E. (2021) **Barriers for the Prescription of Cannabinoid Based Medicines**. In: Narouze S.N. (eds) *Cannabinoids and Pain*. Springer, Cham. https://doi.org/10.1007/978-3-030-69186-8_20
- **Arboleda M.F.**, Prosk E. (2021) **Practical Recommendations for the Use of Medical Cannabis**. In: Narouze S.N. (eds) *Cannabinoids and Pain*. Springer, Cham. https://doi.org/10.1007/978-3-030-69186-8_21



PROFESSIONAL ASSOCIATIONS AND BOARDS

- Member of the Medical Students' Activities Association - ACME ('Actividades Médicas Estudiantiles'), Pontificia Universidad Javeriana. Bogotá, Colombia, 2004
- Member of the National Board of Directors of the Colombian Medical Student Association 'ACOME'. Bogotá, Colombia, February 2005 - May 2008.
- Medical Students' Representative, School of Medicine, Pontificia Universidad Javeriana. Bogotá, Colombia, December 2006 - June 2007.
- Member of the Student's Council, School of Medicine, Pontificia Universidad Javeriana. Bogotá, Colombia, July 2005 - May 2009.
- Accredited by the Mexican Council of Anesthesiology since November 2013 Member of the Mexican Association for the Study and Treatment of Pain (AMETD) since 2015.

MARIA FERNANDA ARBOLEDA, M.D.

- ▶ Member of the American Society of Regional Anesthesia and Pain Medicine since November 2016.
- ▶ Member of the International Cannabinoid Research Society (ICRS), since 2017.
- ▶ Member of the Canadian Pain Society (CPS), since 2018.
- ▶ Reviewer of the Journal of Supportive Care in Cancer, official journal of the Multinational Association of Supportive Care in Cancer (MASCC), since 2020.



ACADEMIC AND PROFESSIONAL CONFERENCES

Extensive experience as international speaker and faculty in more than 100 international conferences and medical meetings, contributing to the training and education of more than 5000 health care professionals in Latin America, Canada and the UK, among other countries. Additionally, participation in international panels and forums dedicated to medical cannabis patients and caregivers.

Some relevant events are:

- ▶ Faculty at the 3rd International Meeting of Quality and Patient's Safety speaking about "The challenges of Palliative Care". Centro Médico ABC, México. March 7, 2015
- ▶ Faculty at the XXVIII Orthopedic National Meeting speaking about "General Aspects of Interventional Pain Management" and "Radicular and Truncal Blocks". Puebla, Mexico. May 2, 2015.
- ▶ Speaker at the 6th Course of Management of the Geriatric Patient with Renal Failure with the topic: "Palliative Emergencies and Sedation in patients with End Stage Renal Failure". Mexico City, Mexico. May 28th and 29th 2015.
- ▶ Faculty at the XLI Annual Update Course in Anesthesia and Perioperative Medicine speaking about "Perioperative Management of the Patient with Chronic Usage of Opioids". World Trade Center. Mexico City, Mexico. July 2nd, 2015.
- ▶ Faculty at the VII International Forum on Pain Medicine and Palliative Care speaking about "Clinical Pharmacology of Opioids" and "Hydration of the Palliative Patient". Instituto Nacional de Ciencias Médicas y Nutrición Salvador Zubirán, Mexico City, Mexico. September, 2015.
- ▶ Faculty at the XXIX Orthopedic National Meeting speaking about "Chronic Postsurgical Pain", "Initial Approach of the patient with Chronic Pain" and "Multimodal Analgesia in Chronic Pain". Mexico City, Mexico. April 2016.
- ▶ Presenter at the Alan Edwards Pain Management Unit – Pain Rounds. McGill University Health Center. Lecture presented: "From Research to Clinical Practice: New Insights for Medical Cannabis in Pain Management". Montreal, Canada. April 2018.
- ▶ Presenter at the Palliative Care Division Rounds. McGill University Health Center. Lecture presented: "Medical Cannabis is Supportive Cancer Care: Current Research and Recommendations". Montreal, Canada. April 2018.
- ▶ Invited Faculty at CannX Brazil, speaking about "Cannabis in Pain Treatment and Palliative Care". São Paulo, Brazil. November 13, 2018.
- ▶ Invited Faculty at the XLI annual meeting of the Mexican College of Internal Medicine speaking about "Introduction to Medical Cannabis". Mérida, Mexico. November 24, 2018 .
- ▶ Speaker at CannaTech Panama, presenting about "New Cannabis Research: Pain Management". Panama City, Panama. February 12, 2019.
- ▶ Invited Faculty at the Colombian Cannabis Week organized by the Colombian Association for the Study of Pain, speaking about "Medical cannabis research", "Use of Cannabis-Based Medicines in Palliative Care" and "Is medical cannabis the solution to the opioid crisis?". Bucaramanga, Colombia. February 13-14, 2019 .

MARIA FERNANDA ARBOLEDA, M.D.

- Organizer and speaker at 'Khironmed Mexico 2019' event, talking about "Myths versus realities of Medical Cannabis" and "Use of Cannabis-Based Medicines in Palliative Care". Mexico City, Mexico. February 28, 2019
- Co-presenter with Dr. Sunil Aggarwal and Dr. Claude Cyr at the Annual Assembly of Hospice and Palliative Care talking about "An Integrative Medicine Approach to the Utilization of Cannabis and Cannabinoids for Palliation in Advanced Cancer Patients: Canadian/US Perspectives and Practical Recommendations". Orlando, FL. March 16, 2019 .
- Invited speaker at the Quebec Cannabis Forum organized by Santé Cannabis presenting "International Perspectives of Medical Cannabis". Montreal, Canada. April 24, 2019.
- Presenter at CannaMexico World Summit 2019 organized by 'Centro Fox' speaking about: "Myths versus realities of medical cannabis" and "Practical recommendations for safe and responsible prescription of medical cannabis". Leon, Guanajuato, Mexico. April 25-26, 2019.
- Invited Faculty at the annual meeting of the Mexican College of Orthopedics and Traumatology speaking about "Introduction to medical cannabis: important concepts". Querétaro, Mexico. April 26, 2019.
- Invited Faculty at the XXVIII International Congress of Pain speaking about "Clinical evidence for the use of medical cannabis in Palliative Care". Bogotá, Colombia. May 16, 2019.
- Speaker at the Annual Course of the Peruvian Society of Rheumatology presenting about "Myths versus realities of medical cannabis: initial approach". Lima, Peru. May 24, 2019.
- Invited Faculty at the International Course of Internal Medicine speaking about "Safe prescription of medical cannabis". Monterrey, Mexico. July 3, 2019.
- Invited Faculty at the PHARMACANN MX: First International Medical Cannabinoid Symposium. Mexico City, Mexico. September 5, 2019.
- Invited Faculty at the II Course of Applied Neurology, organized by the Peruvian Society of Neurology presenting about "Myths versus realities of medical cannabis: initial approach". Lima, Peru. September 7, 2019.
- Invited as a speaker to talk at main hospitals of Querétaro, Mexico, about "responsible and safe prescription of cannabinoids":
 - Hospital H+
 - Hospital Infantil Teletón de Oncología (HITO)
 - Cancer Center, Tec 100Speaker Tour, Querétaro, México, October 2019.
- Invited Faculty at the LIII Mexican Congress of Anesthesia, organized by Federación Mexicana de Colegios de Anestesiología, A.C. Presented about cannabinoids in chronic pain and palliative care. Additionally, participated in the Medical Cannabis Workshop as a Faculty member. Tijuana, Mexico, October 16-18, 2019.
- Invited speaker at the '11 Congreso de Especialidades Médicas' organized by the Hospital Aranda de la Parra. León, Guanajuato, Mexico. October 19, 2019.
- Invited speaker at the XXXI International Course of Rheumatology organized by the Peruvian Society of Rheumatology, to present about cannabinoids in chronic pain: current clinical evidence. Lima, Peru. October 24-26, 2019.
- Invited Faculty at the XLI Internal Medicine International Course, organized by the Peruvian Society of Internal Medicine to present about "Myths versus realities of medical cannabis: initial approach". Lima, Peru. October 24-27, 2019.
- Invited speaker to present conference about cannabinoid therapy in chronic pain, organized by Fundación CENIT and the Argentinean Society of Pain. Buenos Aires, Argentina. October 29, 2019.
- Invited speaker to Cannabisalud even tin Mexico City, to talk about cannabinoids in chronic pain and palliative care: current clinical evidence. Mexico, November 1st, 2019.
- Invited Faculty to the first ALGIA Congress as organizer and director of the Medical Cannabis Workshop for health care practitioners. Guadalajara, Mexico. November 21-22, 2019.
- Invited Faculty at the Peruvian Congress of Palliative Care organized by the Peruvian Society of Palliative Care, to present about cannabinoid therapy in chronic pain within the Medical Cannabis Symposium. Lima, Peru. November 26, 2019.
- Invited Faculty at the Mexican Congress of Internal Medicine, organized by the Mexican College of Internal Medicine speaking about "cannabinoid therapy in the elderly patient: current clinical evidence and practical recommendations". Acapulco, Mexico. November 29, 2019.
- Invited speaker at the Forum organized by 'Foros Semana' in Colombia titled "Investigate to Innovate: The Future of Medical Cannabis" to speak about challenges and opportunities of cannabinoid research in Latin America. Bogotá, Colombia. February 26, 2020.

MARIA FERNANDA ARBOLEDA, M.D.

- Invited Faculty at the First International Postgraduate Course "Neurogastroenterology and Gastrointestinal Motility in Clinical Practice" organized by the Mexican Society of Neurogastroenterology and Motility, speak about "Cannabinoids: use and abuse". Mexico City, Mexico. February 28, 2020.
- Invited speaker at the virtual space known as "Talking to the Expert" organized by the Colombian Medical College, to present about Myths versus Reality of Cannabinoid-Based Medicines: Key Aspects for Clinical Practice. December, 2021.
- Invited Faculty at the Annual Conference of the Mexican Association of Geriatrics to present about Medical Cannabis Use in Elderly Population. Mexico City, Mexico. August, 2022.
- Moderator for the full event and speaker at CannaMexico Summit 2022, to present about Safe and Responsible Prescription of Cannabinoid-Based Medicines. León, Mexico. October, 2022.
- Invited speaker by the Peruvian Medical College to present about Chronic Pain. October 2022.
- Invited Faculty at the 21st Annual Pain Medicine Meeting organized by the American Society of Regional Anesthesia and Pain Medicine (ASRA) to present about Cannabinoid Use in Young Adults. Orlando, FL. November 2022.
- Faculty at the 4th Latin American Conference of Pain and Palliative Care ALGIA 2022 presenting about Cannabinoid Use in Acute and Chronic Pain: Current Evidence. Mexico City, Mexico. November, 2022.
- Invited speaker at the National and International Meeting of Pharmacovigilance organized by the Panamerican Organization of Health, Colombian Government, Universidad Nacional de Colombia and the Colombian Regulatory Agency INVIMA. Bogotá, Colombia. December, 2022.
- Invited speaker at the virtual conference VETCANN to present about the Use of Cannabinoid-Based Medicines in Palliative Care and Supportive Cancer Care. December, 2022.

Throughout 2020, 2021 and 2022 multiple webinars, seminars and workshops took place to discuss diverse topics related to the Cannabis industry such as:

- Therapeutic uses of medical cannabis in different medical conditions.
- Regulation and international perspectives of medical cannabis.
- Non-medical use of cannabis ("recreational").
- Specialized medical cannabis clinics and models of care
- Practical recommendations and considerations for the prescription of cannabinoid-based medicines.
- Clinical experience of medical cannabis in Canada, Colombia and Peru.
- Medical Cannabis Research and Real-World Evidence
- Safety and adverse effects related to medical cannabis use.



OTHER EVENTS, PODCASTS AND INTERVIEWS

Invited to participate in various podcasts, multiple interviews in different media and international panels and forums dedicated to medical cannabis patients and caregivers such as:

► Se Regalan Dudas, most followed podcast in Mexico and one of the most listened in Latin America. Episode 329:

· https://open.spotify.com/episode/4wqSzjQke4oI26vqP1X5JQ?si=N2sY5Q_PQqamoVO4kuShiA

· <https://youtu.be/qfME7ZHnyz4>

► Desaprendiendo, podcast with Diana and Joy where we discussed about misinformation and misconceptions related to cannabis.

► Transeunte, podcast with Said Ochoa; we talked about cannabis history and regulation.

► ASIPI Podcast, with recognized lawyers in Latin America to discuss about medical cannabis access and regulations.

► Invited to participate in the platform 'Tanto Por Hacer' that is part of 'Fundación CIMA' dedicated to patients with breast cancer.

► Voces de la Salud. Interview done by Dr. Guillermo Torre Amione, Dean of the Medical School of Tech of Monterrey University (Tecnológico de Monterrey).

► Multiple panels and forums with patient associations such as Familias y Retos Extraordinarios, Apapache Autismo, Iluminemos de Azul, Edad & Vida con Fibromialgia, among others.

► Interviews in some of the following media: Reforma, El Universal, Brut, Newsweek en Español, Instyle México, Saludario, El Planteo, SuMédico, Kena, Once Noticias, Revista Central, Luvi.It, Salud 180, Imagen Radio, Tec Review, Grazia México, Glamour MX, Mugglehead Magazine, Milenio, El Sol de México, Mujer Ejecutiva, Revista Epicrisis del Colegio Médico Colombiano, Cannabis World Journals, etc.

DRA. MARIA FERNANDA ARBOLEDA CASTRO