

# CFAS GATEKEEPERS' DILEMMA AND ETHICS AND LAW SUMMIT



## PRELIMINARY AGENDA

FRIDAY, FEBRUARY 24TH, 2023  
SHANGRI-LA HOTEL, TORONTO

### **Gatekeepers' Dilemma**

*You've seen Driverless Cars. Are you prepared for Doctorless IVF? A day with AI and ART.*

### **Ethics and Law Summit**

*Yes! Artificial Intelligence is here. Legal and Ethical Considerations and Implications.*



# CFAS GATEKEEPERS' DILEMMA AND ETHICS AND LAW SUMMIT

8:00 am - 5:00 pm EST

Exhibit Hall Open

8:30 am - 8:45 am EST

Introduction & Welcome

**Dr. Carl Laskin**

8:45 am - 9:45 am EST

Clinical Applications of AI 2022 | 2032



**Dr. Alejandro Chavez-Badiola**

ObGyn and Fertility Specialist, Founder of New Hope Fertility Mexico, Co- Founder of Conceivable Life Sciences, and Founder of IVF 2.0. Alejandro is dedicated to bringing a new generation of technologies to the bench-side, focusing on the intersection of Reproductive Medicine, Artificial Intelligence, and Automation. Pioneer in cell reconstruction and leader of the team achieving the first baby product of Spindle Nuclear Transfer (the 3-Parent baby) in 2016. Alejandro is a PhD Candidate at the University of Kent, England.

**Lecture Learning Objectives:**

Describe approaches for a responsible adoption of new technologies

Identify new AI Technologies and assess their impact on the field of Assisted Reproductive Technologies

Recognize the ethical implications associated with implementing new AI technologies

**Moderated by: Dr. Dan Nayot**

9:45 am - 10:00 am EST

Health Break



**10:00 am - 11:00 am EST**

## **Artificial Intelligence Models for Individualizing Gonadotropin Dose Selection and Optimizing Day of Trigger During Controlled Ovarian Stimulation**



### **Dr. Michael Fanton**

Michael Fanton is a Senior Data Scientist at Alife Health, working on artificial intelligence tools for clinical decision support during IVF. He received his BS from UC San Diego and MS and PhD from Stanford University, and completed a postdoctoral fellowship at Northwestern University.

### **Lecture Learning Objectives:**

Describe how AI can be applied to ovarian stimulation

Recognize how doctors could potentially utilize AI to assist with decision making

Describe how EMR data can provide insights into treatment strategies

### **Moderated by: Dr. Dan Nayot**

**11:00 am - 12:00 pm EST**

## **AI and IVF: Legal and Ethical Issues**

### **Prof. Glenn Cohen**



Deputy Dean and James A. Attwood and Leslie Williams Professor of Law, Harvard Law School Faculty Director, Petrie-Flom Center for Health Law Policy, Biotechnology & Bioethics Prof. Cohen is one of the world's leading experts on the intersection of bioethics (sometimes also called "medical ethics") and the law, as well as health law. He is the author of more than 200 articles and chapters and the author, co-author, editor, or co-editor of more than 18 books including the casebook Reproductive Technologies and the Law (3rd edition). For the public he created the free online Harvard X class Bioethics: The Law, Medicine, and Ethics of Reproductive Technologies and Genetics, taken by more than 100,000 students.

### **Lecture Learning Objectives:**

Identify the key legal and ethical questions raised by medical AI generally

Recognize the particular ethical issues raised by using AI in IVF and other reproductive technology practices

Appraise the legal risks raised by incorporating AI into reproductive medical practices

### **Moderated by: Dr. Dan Nayot**



**12:00 pm - 1:00 pm EST**

**Interactive Discussion:**

**Dr. Alejandro Chavez-Badiola**

**Dr. Michael Fanton**

**Prof. Glenn Cohen**

**Dr. Dan Nayot**

**1:00 pm - 2:00 pm EST**

**Lunch and Networking**

**2:00 pm - 3:00 pm EST**

**Lecture 4: Responsible Innovation in Canada: Managing and Harnessing the Impact of AI in Healthcare**

**Ms. Valentine Goddard**



Founder and Executive Director, AI Impact Alliance, Member, Government of Canada's Advisory Council on Artificial Intelligence. Valentine Goddard is a United Nations expert on AI public policy and governance. An attorney, certified mediator, and inter-arts commissioner, Ms. Goddard is the founder and executive director of AI Impact Alliance, an independent non-profit organization whose mission is to facilitate responsible implementation of AI, and to accelerate achievement of the 17 UN Sustainable Development Goals (SDGs).

**Lecture Learning Objectives:**

Introduce Bill C-27, Canada's proposed AI and Data Act, and provide background for key concepts namely harm, bias, high impact systems and reasonable persons

Highlight AIDA's risk mitigation requirements and accountability mechanisms (impact assessment, transparency, AI and Data Commissioner, penalties)

Discuss AIDA's implications for the sovereign governance of healthcare in a Canadian and global context

**Moderated by: Shawn Winsor**

**3:00 pm - 3:15 pm EST**

**Health Break**



**3:15 pm - 4:15 pm EST**

## **Lecture 5: AI & Assisted Reproduction: Exploring the Legal Issues**



### **Prof. Vanessa Gruben**

Vanessa Gruben B.Sc.H (Queen's), LL.B. (Ottawa), LL.M. (Columbia) is an Associate Professor at the University of Ottawa, Faculty of Common Law and a member of the Centre for Health Law, Policy and Ethics. Her research and writing focuses on various topics in health law and ethics including the regulation of assisted reproduction and the regulation of health professionals. Professor Gruben teaches courses on Health Law, Family Law and Reproductive Health Law and Policy. Professor Gruben is co-editor of the 5th edition of Canadian Health Law and Policy, Canada's leading health law text. Her most recent book is Surrogacy in Canada: Critical Perspectives in Law and Policy.

### **Lecture Learning Objectives:**

To identify the legal issues that may arise in the use of AI in assisted reproduction.

To explore the potential liability issues that may arise for health care professionals and clinics which incorporate AI in treatment.

To examine the requirements for obtaining informed consent from patients prior to treatment which involves the use of AI

**Moderated by: Shirley Levitan**

**4:15 pm - 5:00 pm EST**

## **Panel Discussion: AI in ART**

**Prof. Glenn Cohen**

**Ms. Valentine Goddard**

**Prof. Vanessa Gruben**

**Moderated by: Shawn Winsor and Shirley Levitan**

**5:00 pm - 5:15 pm EST**

**Wrap up - Closing Remarks**

**5:15 pm - 7:00 pm EST**

**Networking Session**



***This event is accredited for 7 MOC Section 1 Group Learning credits***

**Accredited by UBC CPD**



THE UNIVERSITY OF BRITISH COLUMBIA

**Continuing Professional Development**  
Faculty of Medicine

### **Accreditation Statement**

The University of British Columbia Division of Continuing Professional Development (UBC CPD) is fully accredited by the Committee on Accreditation of Continuing Medical Education (CACME) to provide study credits for continuing medical education for physicians. This event is an Accredited Group Learning Activity (Section 1) as defined by the Maintenance of Certification Program of the Royal College of Physicians and Surgeons of Canada and has been approved by UBC CPD for up to 7 MOC Section 1 Group Learning credits. Each physician should claim only those credits accrued through participation in the activity.



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