



Canadian Fertility and Andrology Society
Société canadienne de fertilité et d'andrologie

Artificial Intelligence Workshop Preliminary Agenda

***Looking Forward to The Future..... Artificial Intelligence Is Changing The World
and Is Here to Stay. Are You On Board?***

Wednesday, September 21st, 2022 from 1 – 4 PM ADT

Room: 609

Artificial intelligence is changing our world faster than we can imagine. It is already impacting diagnostic medicine, patient care, reproductive science and indeed our everyday lives. Attend this workshop to better understand the basics of how AI works, its potential implications in fertility treatment and what factors you should consider when working with AI.

1 – 1:10 PM **Settling in and Welcome**

1:10 – 1:40 PM **Session 1 : Artificial Intelligence 101. Everyone is doing it – should you?**

Executives are racing to embrace new data and AI capabilities in their organizations – sometimes with unexpected results. Learn the basics of how AI works, applications in the real world, the good, the bad and the ugly side of working with AI.

Presenter: Mr. Sam Ramadori, CEO of Brainbox AI

Workshop:

- AI 101 – talking through the basics.
- Why is AI so revolutionary?
- Real world applications – such as saving the planet
- Recognizing the challenges of applying AI

Brainbox AI <https://brainboxai.com/en>

- Recognized by TIME as one of the Top 100 best inventions 2020
- Top Innovation (Tech for our Planet Challenge) at the 26th United Nations Climate Change Conference 2021
- Governor General's Innovation Award 2022



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1:40 – 2:10 PM **Session 2 : Artificial Intelligence – Meet your future assistant in the IVF laboratory.**

Looking to the future, artificial intelligence will set a new standard in IVF. Learn about current AI applications and how they can assist with decision making and improve outcomes in the lab, as well as applications on the horizon that will reduce time to pregnancy, support the skill set of junior embryologists and better control the laboratory environment.

Presenter: Dr. Alejandro Chavez-Badiola, Founder and CEO of IVF 2.0

Workshop themes:

- Current AI solutions – How AI can assist you to make better decisions in the lab.
- New AI solutions on the horizon – future applications of AI in the IVF laboratory.
- Cost benefit considerations of using AI

IVF 2.0 <https://www.ivf20.ai/>

- ERICA – a tool to prioritise the best embryo for transfer
- SiD – a tool to select the best sperm to inject

2:10 – 2:20 PM **Break**

2:20 – 2:50 PM **Session 3: Artificial Intelligence and Patient Care – Using AI to improve the patient experience.**

Patients are seeking more individualized care, but how do we provide this with the increased demand on clinics and labs? By utilizing AI, we can gain insights into our patients that has been unattainable until now! Learn how we are harnessing AI to unlock the secrets of oocyte quality, one of, if not the key contributor to IVF success. And with this, how we are improving the standard of care, personalizing ART procedures, adding transparency and communication tools to the IVF journey.

Presenter: Ms. Jullin Fjeldstad, Head of Customer Service & Clinical Embryology at Future Fertility

Future Fertility <https://futurefertility.com/>

- Non-invasive assessment to predict egg outcomes for social egg freezing patients
- Non-invasive assessment of egg quality for patients going through IVF cycle

Workshop themes:



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- To Measure is to know; Applying AI to perform a function we have been unable to accomplish as embryologists
- Using 'Big Data' to personalize patient care and enhance the IVF journey, without adding to workload
- Creating AI tools to advance the Fertility Field and improve reproductive outcomes; are you Looking Forward?

2:50 – 3:20 PM **Session 4: Interactive AI simulation exercise. SiD, Erica, Violet Magenta (Format TBD)**

3:20 – 3:50 PM **Session 5: Panel discussion. How to get ready to use AI in your clinic.**

- Legal Considerations
- Ethical Considerations

3:50 PM Networking Session and Snacks