

# Celebration of Education Scholarship

Digital Technology in Family Medicine: AI, Virtual Education and the Future  
December 3-4, 2020

## Thu Dec 3

Meeting link: <https://zoom.us/j/96395029930?pwd=d3Q0YnNvUllTWURKU1DMzNrUEd1QT09>

### 5:30-6:45 pm | Dr. Andrew Pinto & Ms. Jillian Macklin - Family Medicine 2049: What will be the impact of AI on care and education?

After active engagement in this session, participants will be able to:

- 1) understand basic concepts about artificial intelligence (AI), including key terms
  - 2) understand several examples of the application of AI in primary care currently and in the future
  - 3) consider ways in which AI may change how we teach, and what we teach
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## Fri Dec 4

Meeting link: <https://zoom.us/j/98920734671?pwd=NExncDVLSTdFWGdnRnRKVmhrcE5RZz09>

### 8:00-8:15 am | Welcome and Introductions

### 8:15-9:15 am | Dr. Robert Luke - Digital by Design: Education for the Post-Pandemic World

The COVID-19 pandemic forced us all to scramble to put everything online swiftly. Following this pandemic pivot, our focus in education can now shift to Digital by Design: to more mindfully and artfully design digital learning environments that support all learners. The future of digital learning must be about options: options to facilitate learning in distributed, online environments, to scaffold face-to-face and in situ learning via mediated communities of practice, and to provide ways for learners to access education that supports iterative learning and ongoing career progression.

After active engagement in this session, participants will be able to:

- 1) identify ways in which technology exacerbates existing social biases
- 2) use the principles of Human Centred Design to ameliorate social biases in digital education
- 3) support the creation of inclusive, digital by design educational environments

### 9:15-9:30 am | Break

### 9:30-9:45 am | Dr. David Tannenbaum - EXploring Innovative TEchnologies (EXITE) in Family Medicine

After active engagement in this session, participants will be able to:

- 1) understand current DFCM educational innovations using technology
- 2) identify future changes to family medicine practice and education as a result of technological innovation
- 3) consider ways in which their own teaching practice may be enhanced by the use of technology

## **9:45-10:45 am | Panel Discussion: New Directions for Technology Enhanced Education**

**Panelists: Dr. Julia Alleyne, Dr. Azadeh Moaveni, Ms. Jillian Macklin**

**Moderator: Dr. Mahan Kulasegaram**

After active engagement in this session, participants will be able to:

- 1) identify specific innovations and research in DFCM in response to technological innovations
- 2) consider applications of the innovations to their teaching practice
- 3) identify the approaches to evaluating these innovations

## **10:45-11:00 am | Break**

## **11:00-11:45 pm | Digital Now: The Landscape at DFCM**

**1) Dr. Karina Prucnal, Mr. Matthew Nelms, Mr. Daniel Teitelbaum  
Wearable Technology in Medical Education**

**2) Dr. Nicole Woods  
Virtual Care Competency Training Roadmap (ViCCTR)**

**3) Ms. Annie Wu, Mr. David Li, Ms. Lucia Lee  
Artificial Intelligence in Undergraduate Medical Education: A  
Scoping Review**

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- 3) consider ways in which their own teaching practice may be enhanced by the use of technology

## **11:45-12:00 pm | Wrap-up**

This program received financial support from the Dept of Family & Community Medicine, Office of Education Scholarship, and has received no external support.

This one-credit-per-hour Group Learning program meets the certification criteria of the College of Family Physicians of Canada and has been certified by Continuing Professional Development, Faculty of Medicine, University of Toronto for up to 4.5 Mainpro+ credits.



**Robert Luke**, PhD, is Chief Executive Officer of eCampusOntario, which provides leadership to Ontario’s universities and colleges promoting innovation and adoption of digital learning. eCampusOntario’s mission is to inform and shape Ontario’s online learning system redesign in consultation with sector stakeholders by funding and conducting research and pilot projects that promote and support digital fluency and educational system evolution for all.

Prior to his role as CEO, Dr Luke spent 10 years in executive management as Vice-President, Research & Innovation at George Brown College and at OCAD University. His expertise is in human-centered knowledge media design, working at the intersections of education and information science to produce useful and useable technology to support education, health and innovation systems. His experience includes the development of academic business, innovation and incubation initiatives.

Dr Luke has extensive experience in the evaluation of national research and innovation systems. He served on the Council of Canadian Academies Expert Panel Review of The State of Science and Technology and the State of Industrial Research & Development in Canada, 2016-18, and as Expert Panelist, Council of Canadian Academies Expert Panel Review of Science and Technology in Canada, 2011-2012. In 2012, he was awarded the Queen Elizabeth II Diamond Jubilee Medal for contributions to Canadian education and innovation.



**Andrew Pinto** is a family physician, Public Health specialist, scientist at the Li Ka Shing Knowledge Institute, Unity Health Toronto, and Associate Professor in the DFCM. He is the director of the Upstream Lab, which focuses on integrating health and social care, population health management, and proactive care enabled by data. He is also the Associate Director for clinical research at the University of Toronto Practice-Based Research Network (UTOPIAN). Recently, he has been appointed as lead for AI in a new DFCM initiative on innovative technologies.



**Jillian Macklin** completed her Bachelor of Medical Science at Western University and her Master of Science in Laboratory Medicine and Pathobiology at University of Toronto. She is now a combined MD/PhD student at University of Toronto, currently pursuing her PhD in Health Services Research at the Institute for Health Policy, Management, and Evaluation in the areas of community-based research, technology co-design, and ethical artificial intelligence. Jillian is a Vanier Scholar and a graduate fellow at the Schwartz Reisman Institute.

<p><b><i>Save the date</i></b></p> <p><b>Next Celebration of Education Scholarship event</b></p> <p>→ Mar 1-2, 2021 Focus on EPAs and Trust</p>	<p><b><i>Upcoming abstract submission deadline</i></b></p> <p>AMEE Association for Medical Education in Europe (in-person/virtual conference), Glasgow UK, Aug 27-30/21 → Short communications, e-posters, workshops deadline: Feb 5/21</p> <p>Thinking about how or where to disseminate your work? <a href="#">CLICK HERE</a> to book an OES consultation</p>
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