



UNIVERSITY  
OF ALBERTA

# CPA Speaker Series - Business Analytics

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**John Hopkins University**

Friday, November 3, 2024

10:00 AM - 11:30 AM

Location: BUS 4-04

## Incorporating Artificial Intelligence into Healthcare Workflow: Models and Insights

### **ABSTRACT**

Artificial intelligence (AI) is rapidly transforming the healthcare industry, as evidenced by the FDA's approval of nearly 700 AI-enabled medical devices by July 2023. Integrating AI into healthcare requires rethinking and redesigning current workflows. In this seminar, we will explore the challenges and benefits of combining human and machine intelligence in healthcare. I will discuss two working papers that model and analyze the legal liability implications of physicians using assistive AI in prescribing treatment plans. In addition, I will present a recent randomized controlled trial (RCT) conducted in Bangladesh that provides the first real-world evidence of how autonomous AI can improve physician productivity and increase access to care. Finally, we discuss a research agenda for business scholars to develop principles for the purposeful design of AI-augmented healthcare.