8:00 – 9:00 a.m.
Friday May 11, 2018
Botterell Hall Room 217 Conference Room

Objectives of the Health Sciences Education Journal Club:

1) To learn and practice critical appraisal skills with respect to health science education literature
2) To use evidence based literature to guide our educational practice
3) To keep up to date on current and relevant literature in health sciences education
4) To stimulate an educational discussion for those engaged in health sciences education
5) To provide an enriched social and learning environment for faculty engaged in health sciences education

Learning Outcome: At the end of this Journal Club, participants will be able to effectively integrate an evidence-based educational principle o practice into their current and/or future educational endeavours

Topic: Learning Analytics in Health Sciences Education

Facilitator: Rylan Egan, Office of Health Sciences Education

Readings:

Chahine, S., Kulasegaram, K. (Mahan), Wright, S., Monteiro, S., Grierson, L. E. M., Barber, C., … Touchie, C. (2018). A Call to Investigate the Relationship Between Education and Health Outcomes Using Big Data. *Academic Medicine*, *Publish Ahead of Print*.

Schaaf, M. van der, Donkers, J., Slof, B., Loon, J. M., Tartwijk, J. van, Driessen, E., … Cate, O. T. (2017). Improving workplace-based assessment and feedback by an E-portfolio enhanced with learning analytics. *Educational Technology Research and Development*, *65*(2), 359–380.

Suggested Approach
I have suggested two (instead of the customary 3) readings. The first is fairly short, but the second is a bit longer and more complex. The purpose of this session is to consider how big data and learning analytics can extend the impact and effectiveness of health sciences education. The first article considers the possibility of linking educational and patient outcomes. The second is an ePortfolio case study that uses learning analytics to provide customized graphics and narrative feedback to learners. Although the focus of both articles is within Medicine, it is my hope that the conversation can be interdisciplinary and consider the use of learning analytics across the Faculty of Health Sciences.

Guided Questions:

1. What are the benefits and drawbacks of linking educational and health care data with the intent of iteratively improving the effectiveness of training in the health sciences?
2. What are the benefits and drawbacks of tracking learner data to provide customized feedback?
3. Will/should data analytics play an important role in the development of health sciences curriculum in the future?

For more information, please visit our website at:
https://healthsci.queensu.ca/faculty-staff/office-health-sciences-education-ohse/programs/journal-club-2017-2018