

Research *Rounds*

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CONTINUING PROFESSIONAL DEVELOPMENT
FACULTY OF MEDICINE

The Centre for Health Education Scholarship (CHES)
invites you to Research Rounds with:

Dr. Matthew Lineberry

Digital coaching: Learner-adaptive technology to support and optimize life-long learning in healthcare

Date: May 17, 2017

Time: 12:00pm to 1:30pm
(feel free to bring a bagged lunch)

Venue: Diamond Health Care Centre, room 2267

With videoconference to:

- IRC 305
- PHRM 3321
- MSB 107
- RJH CA 120
- KGH CAC 237
- NHSC 9-374
- Surrey Central City (Manning Rm 4109)

**Please be aware that this session will be recorded and made available online to CHES members on a password-protected site.*



Dr. Matthew Lineberry, PhD

Director of Simulation Research, Assessment,
and Outcomes
Assistant Professor of Health Policy & Management
University of Kansas Medical Center and Hospital



a place of mind
THE UNIVERSITY OF BRITISH COLUMBIA



Research Rounds

Dr. Matthew Lineberry

Digital coaching: Learner-adaptive technology to support and optimize life-long learning in healthcare

ABSTRACT The vast and ever-changing requirements of clinical practice strain our capacity to initially learn and then stay up to date on core knowledge and skills. Computer-intelligent systems offer the possibility of individually-optimized, “just-in-time” refresher practice, much as a personal coach might individualize training in athletics or music. In this session we will review the theoretical and empirical bases for such systems, share in-progress findings from the implementation and investigation of intelligent study systems at several medical education programs, and discuss practical implications and challenges to overcome in applying such systems in health professions education more broadly.

ABOUT Matt Lineberry is the Director of Simulation Research, Assessment, and Outcomes for the University of Kansas Medical Center and Hospital, Kansas City, KS, and is an Assistant Professor of Health Policy and Management.

Matt’s research focuses on optimizing deliberate practice of challenging tasks in healthcare, with particular emphases on (1) Assessment for Learning, (2) Computer-Adaptive Training, and (3) Healthcare Simulation. He and his collaborators’ work has been supported with nearly \$2 million in grant funding in the last two years, from the generous support of agencies including the National Science Foundation, Department of Defense, and National Board of Medical Examiners.

Matthew holds a Ph.D. in Industrial & Organizational Psychology with an emphasis in Statistical Methods from the University of South Florida (USF), where he was a Presidential Doctoral Fellow. Previously, Matt served as a Research Psychologist for the U.S. Navy’s training systems command and later as Assistant Professor of Medical Education at the University of Illinois at Chicago.

ACCREDITATION: As an organization accredited to sponsor continuing medical education for physicians by the Committee on Accreditation of Continuing Medical Education (CACME), the UBC Division of Continuing Professional Development designates this educational program as meeting the accreditation criteria of the College of Family Physicians of Canada for up to 1.5 Mainpro-M1 credits. This program has been reviewed and approved by UBC Division of Continuing Professional Development. Each physician should claim only those credits he/she actually spent in the activity.

The Centre for Health Education Scholarship (CHES) is committed to enhancing health education scholarship by building capacity for educational scholarship across the Faculty of Medicine through collaboration, team-building, mentorship of new faculty, successful funding applications, and other activities.